

Powerfrequency EMFs and Health Risks

This article is separated into 11 sections, each of which can be individually downloaded. It is a 'work in progress' incorporating new information whenever time permits.

Section 11

References

1. Introduction; electricity consumption; measuring meaningful exposure; static electric field from high voltage direct current transmission; precautionary recommendations; EMFs interacting with the environment or other substances; geomagnetic field (GMF) changes; a French study in 2009; residential exposure; mitigating biological effects; campaigning organisations
2. Occupational exposure; occupational research
3. Cancer; leukaemia; Sources of magnetic field exposure and cancer risk; brain cancer; breast cancer; neuroblastoma; other cancer; immune system effects; tamoxifen, doxorubicin and other drug effects; similarities to other chemical effects
4. Cellular changes and potential mechanisms; DNA breaks and changes; EEG changes; other cellular changes; potential mechanisms for interaction between exogenous EMFs and biological processes; free radical effects; effects on other cellular processes; airborne pollutant effects; other potential synergistic effects
5. MRI; contrast enhancement; individual experiences of reactions; MRI vs CT; cardiac scan; the European Physical Agents Directive; research
6. Electronic surveillance systems in shops, airports, libraries, etc.
7. Light at Night and Melatonin; circadian rhythm disruption; clock genes; plant, animal and insect effects
8. General reproductive effects; miscarriage and other effects of female exposure; powerfrequency exposure and male sperm; protective treatments
9. Other effects; ageing; amyotrophic lateral sclerosis (ALS); anxiety; asthma; autism; bacteria; behaviour changes; birth defects; effects on blood; bone changes; brain damage; cardiovascular effects; dementia; developmental effects; depression and suicide; EEG changes; energy metabolism; eye effects; gastric effects; genetic defects; hearing effects; heart; insulin and electric fields; interference problems; kidney effects; learning and memory effects; lung, spleen and liver; medical implants; mental health problems; nervous system; neurobehavioural effects; neurodegenerative effects
10. Other effects; obesity; olfactory effects; other neurological and psychological effects; pain perception; Parkinson's disease; protective effects of EMFs; skin;

sleep; spleen; synergistic effects; teeth; thyroid; weight change; some experimental problems; government advisory bodies

11. References – 861 references

Acikel V & E Atalar 2011 - *Modeling of radio-frequency induced currents on lead wires during MR imaging using a modified transmission line method* *Med Phys* 38(12):6623-32 PMID: 22149844

Ahlbom A et al 2001 - *Review of the epidemiologic literature on EMF and health* *Environ Health Perspect* 109 Suppl 6:911-33 PMID: 11744509

Ahlbom A 2001 - *Neurodegenerative diseases, suicide and depressive symptoms in relation to EMF* *Bioelectromagnetics (Suppl 5):S132-43* PMID: 11170123

Ahlbom A et al 2000 - *A pooled analysis of magnetic fields and childhood leukaemia* *Br J Cancer* 83(5): 692-8 PMID: 10944614

Ahmadi SS et al 2016 - *Effect of non-ionizing electromagnetic field on the alteration of ovarian follicles in rats* *Electron Physician* 8(3):2168-74 PMID: 27123226

Ahuja YR et al 1999 - *In vitro effects of low-level, low-frequency electromagnetic fields on DNA damage in human leucocytes by comet assay* *Indian J Biochem Biophys* 36(5):318-22 PMID: 10844981

Akdag MZ et al 2013 - *Do 100- and 500- μ T ELF magnetic fields alter beta-amyloid protein, protein carbonyl and malondialdehyde in rat brains?* *Electromagn Biol Med* 32(3):363-372 PMID: 23324065

Akdag MZ et al 2010 - *The effect of long-term extremely low-frequency magnetic field on geometric and biomechanical properties of rats' bone* *Electromagn Biol Med* 29(1-2):9-18 PMID: 20230292

Akdag MZ et al 2010 - *Effects of extremely low-frequency magnetic field on caspase activities and oxidative stress values in rat brain* *Biol Trace Elem Res* 138(1-3):238-49 PMID: 20177816

Akpinar D et al 2012 - *The effect of different strengths of extremely low-frequency electric fields on antioxidant status, lipid peroxidation, and visual evoked potentials* *Electromagn Biol Med* 31(4):436-48 PMID: 23045992

Aksen F et al 2006 - *Effect of 50-Hz 1-mT magnetic field on the uterus and ovaries of rats (electron microscopy evaluation)* *Med Sci Monit* 12(6):BR215-20 PMID: 16733479

Al-Akhras MA et al 2006 - *Influence of 50 Hz magnetic field on sex hormones and other fertility parameters of adult male rats* *Bioelectromagnetics* 27(2):127-31 PMID: 16304700

Al-Akhras MA et al 2001 - *Effects of extremely low frequency magnetic field on fertility of adult male and female rats* *Bioelectromagnetics* 22(5):340-4 PMID: 11424157

Albanese A et al 2009 - *Alterations in adenylate kinase activity in human PBMCs after in vitro exposure to electromagnetic field: comparison between extremely low frequency electromagnetic field (ELF) and therapeutic application of a musically modulated electromagnetic field (TAMMEF)* *J Biomed Biotechnol* 717941 PMID: 19763276

Al-Bassam E et al 2016 - *Assessment of electromagnetic field levels from surrounding high-tension overhead power lines for proposed land use* *Environ Monit Assess* 188(5):316 PMID: 27129598

Alberich Bayarri A et al 2013 - *Safe use of magnetic resonance imaging: practical recommendations for personnel* *Radiologia* 55(2):99-106 PMID: 23332580

Alcaraz M et al 2014 - *Effect of long-term 50 Hz magnetic field exposure on the micronucleated polychromatic erythrocytes of mice* *Electromagn Biol Med* 33(1):51-7 PMID: 23781994

Alpert M et al 2009 - *Nighttime use of special spectacles or light bulbs that block blue light may reduce the risk of cancer* *Med Hypotheses* 73(3):324-5 PMID: 19375243

Alsaeed I et al 2014 - *Autism-relevant social abnormalities in mice exposed perinatally to extremely low frequency electromagnetic fields* *Int J Dev Neurosci* 37:58-64 PMID: 24970316

Altun I et al 2016 - *Impact of magnetic field on pressures of programmable cerebrospinal fluid shunts: an experimental study* *Turk Neurosurg Apr 25* [Epub ahead of print] PMID: 27476923

An GZ et al 2015 - *Effects of long-term 50Hz power-line frequency electromagnetic field on cell behaviour in Balb/c 3T3 cells* *PLoS One* 10(2):e0117672 PMID: 25695503

- Andel R** et al 2010 - *Work-related exposure to extremely low-frequency magnetic fields and dementia: results from the population-based study of dementia in Swedish twins* J Gerontol A Biol Sci Med Sci 65(11):1220-7 PMID: 20622138
- Anderson LE** et al 2000 - *Effect of constant light on DMBA mammary tumorigenesis in rats* Cancer Lett 148(2):121-6 PMID: 10695987
- Anisimov VN** 2006 - *Light pollution, reproductive function and cancer risk* Neuro Endocrinol Lett 27(1-2):35-52 PMID: 16648818
- Anisimov VN** et al 2004 - *Effect of exposure to light-at-night on life span and spontaneous carcinogenesis in female CBA mice* Int J Cancer 111(4):475-9 PMID: 15239122
- Anisimov VN** 2003 - *The role of pineal gland in breast cancer development* Crit Rev Oncol Hematol 46(3):221-34 PMID: 12791421
- Anisimov VN** 2002 - *The light-dark regimen and cancer development* Neuro Endocrinol Lett 23 Supp 2: 28-36 PMID: 12163845
- Anselmo CW** et al 2009 - *Effects of the electromagnetic field, 60 Hz, 3 microT, on the hormonal and metabolic regulation of undernourished pregnant rats* Braz J Biol 69(2):397-404 PMID: 19675945
- Anton-Leberre V** et al 2010 - *Exposure to high static or pulsed magnetic fields does not affect cellular processes in the yeast Saccharomyces cerevisiae* Bioelectromagnetics 31(1):28-38 PMID: 19603479
- Armstrong BG** et al 2001 - *The determinants of Canadian children's personal exposures to magnetic fields* Bioelectromagnetics 22(3):161-9 PMID: 11255211
- Atasoy A** et al 2009 - *The effects of electromagnetic fields on peripheral blood mononuclear cells in vitro* Bratisl Lek Listy 110(9):526-9 PMID: 19827334
- Auger N** et al 2012 - *Stillbirth and residential proximity to extremely low frequency power transmission lines: a retrospective cohort study* Occup Environ Med 69(2):147-9 PMID: 21742742
- Aydin M** et al 2009 - *Evaluation of hormonal change, biochemical parameters, and histopathological status of uterus in rats exposed to 50-Hz electromagnetic field* Toxicol Ind Health 25(3):153-8 PMID: 19482908
- Aydin M** et al 2007 - *Effect of electromagnetic field on the sperm characteristics and histopathological status of testis in rats* Med Weter 63(2):178-183
- Ayşe IG** et al 2010 - *Differentiation of K562 cells under ELF-EMF applied at different time courses* Electromagn Biol Med 29(3):122-30 PMID: 20707646
- Ayyıldız S** et al 2013 - *Radiofrequency heating and magnetic field interactions of fixed partial dentures during 3-tesla magnetic resonance imaging* Oral Surg Oral Med Oral Pathol Oral Radiol 116(5):640-7 PMID: 24018122
- Azanza MJ** et al 2013 - *Synchronization dynamics induced on pairs of neurons under applied weak alternating magnetic fields* Comp Biochem Physiol A Mol Integr Physiol 166(4):603-18 PMID: 24012769
- Bae JE** et al 2013 - *Electromagnetic field-induced converse cell growth during a long-term observation* Int J Radiat Biol 89(12):1035-44 PMID: 23859432
- Bahaoddini A** et al 2008 - *Effect of exposure to low frequency electromagnetic field on the plasma glucose, insulin, triglyceride and cholesterol of male rats* J Appl Anim Res 34(2):179-80
- Bakacak M** et al 2015 - *The effects of electromagnetic fields on the number of ovarian primordial follicles: An experimental study* Kaohsiung J Med Sci 31(6):287-92 PMID: 26043407
- Balamuralikrishnan B** et al 2012 - *Evaluation of chromosomal alteration in electrical workers occupationally exposed to low frequency of electro magnetic field (EMFs) in Coimbatore population, India* Asian Pac J Cancer Prev 13(6):1961-2966 PMID: 22938490
- Balassa T** et al 2013 - *Changes in synaptic efficacy in rat brain slices following extremely low-frequency magnetic field exposure at embryonic and early postnatal age* Int J Dev Neurosci 31(8):724-30 PMID: 24012627
- Balassa T** et al 2009 - *Effect of short-term 50 Hz electromagnetic field exposure on the behaviour of rats* Acta Physiol Hung 96(4):437-48 PMID: 19942550
- Baldi I** et al 2011 - *Occupational and residential exposure to electromagnetic fields and risk of brain tumors in adults: a case-control study in Gironde, France* Int J Cancer 129(6):1477-84 PMID 21792884

- Baldi E** et al 2007 - *A pilot investigation of the effect of extremely low frequency pulsed electromagnetic fields on humans' heart rate variability* Bioelectromagnetics 28(1):64-8 PMID: 16988996
- Baliatsas C** et al 2011 - *Non-specific physical symptoms in relation to actual and perceived proximity to mobile phone base stations and powerlines* BMC Public Health 11:421 PMID: 21631930
- Baltaci AK** et al 2012 - *The role of zinc supplementation in the inhibition of tissue damage caused by exposure to electromagnetic field in rat lung and liver tissues* Bratisl Lek Listy 113(7):400-3 PMID: 22794512
- Barsam T** et al 2012 - *Effect of extremely low frequency electromagnetic field exposure on sleep quality in high voltage substations* Iranian J Environ Health Sci Eng 9(1):15 PMID: 23369281
- Basile A** et al 2011 - *Exposure to 50 Hz electromagnetic field raises the levels of the anti-apoptotic protein BAG3 in melanoma cells* J Cell Physiol 226(11):2901-7 PMID: 21302292
- Bauréus Koch CL** 2003 - *Interaction between weak low frequency magnetic fields and cell membranes* Bioelectromagnetics 24(6):395-402 PMID: 12929158
- Bayat PD** et al 2012 - *Effects of prenatal exposure to extremely low electro-magnetic field on in vivo derived blastocysts of mice* Iran J Reprod Med 10(6):555-60 PMID: 25246926
- Bayat PD** et al 2011 - *Effect of exposure to extremely low electro-magnetic field during prenatal period on mice spleen* Indian J Exp Biol 49(8):634-8 PMID: 21870432
- Beale I** et al 2001 - *Association of health problems with 50-Hz magnetic fields in human adults living near power transmission lines* JACNEM 20(2):9-12,15,30
- Beale IL** et al 1997 - *Psychological effects of chronic exposure to 50 Hz magnetic fields in humans living near extra-high-voltage transmission lines* Bioelectromagnetics 18(8): 584-94 PMID: 9383247
- Bedrosian TA** et al 2012 - *Chronic Citalopram Treatment Ameliorates Depressive Behavior Associated With Light at Night* Behav Neurosci 126(5):654-8 PMID: 22889310
- Bedrosian TA** et al 2011 - *Chronic exposure to dim light at night suppresses immune responses in Siberian hamsters* Biol Lett 7(3):468-71 PMID: 21270021
- Begall S** et al 2008 - *Magnetic alignment in grazing and resting cattle and deer* Proc Natl Acad Sci USA 105(36):13451-5 PMID: 18725629
- Behrens T** et al 2010 - *Occupational exposure to electromagnetic fields and sex-differential risk of uveal melanoma* Occup Environ Med 67(11):751-9 PMID: 20798011
- Behrens T** et al 2004 - *Quantification of lifetime accumulated ELF-EMF exposure from household appliances in the context of a retrospective epidemiological case-control study* J Expo Anal Environ Epidemiol 14(2):144-153 PMID: 15014545
- Bekhite MM** et al 2016 - *Differential effects of high and low strength magnetic fields on mouse embryonic development and vasculogenesis of embryonic stem cells* Reprod Toxicol 65:46-58 PMID: 27346840
- Belliemi CV** et al 2012 - *Exposure to electromagnetic fields from laptop use of "laptop" computers* Arch Environ Occup Health 67(1):31-6 PMID: 22315933
- Belliemi CV** et al 2008 - *Electromagnetic fields produced by incubators influence heart rate variability in newborns* Arch Dis Child Fetal Neonatal Ed 93(4):F298-301 PMID: 18450804
- Belliemi CV** et al 2005 - *Reduction of exposure of newborns and caregivers to very high electromagnetic fields produced by incubators* Med Phys 32(1):149-52 PMID: 15719965
- Belova NA & D Acosta-Avalos** 2015 - *The effect of extremely low frequency alternating magnetic field on the behaviour of animals in the presence of the geomagnetic field* 2015: 423838 PMID 26823664
- Belyaev I** 2011 - *Toxicity and SOS response to ELF magnetic field and nalidixic acid in E. coli cells* Mutat Res 722(1):84-8 PMID: 21453783
- Belyaev I & ED Alipov** 2001 - *Frequency-dependent effects of ELF magnetic field on chromatin conformation in Escherichia coli cells and human lymphocytes* Biochim Biophys Acta 1526(3):269-76 PMID: 11410336
- Benassi B** et al 2016 - *Extremely low frequency magnetic field (ELF-MF) exposure sensitizes SH-SY5Y cells to the Pro-Parkinson's disease toxin MPP* Mol Neurobiol 53(6):4247-60 PMID: 26223801

- Benfante R** et al 2008 - *The expression of PHOX2A, PHOX2B and of their target gene dopamine-beta-hydroxylase (DbetaH) is not modified by exposure to extremely-low-frequency electromagnetic field (ELF-EMF) in a human neuronal model* Toxicol In Vitro 22(6):1489-95 PMID: 18572378
- Beniashvili D** et al 2005 - *Household electromagnetic fields and breast cancer in elderly women* In Vivo 19(3):563-6 PMID: 15875777
- Bennett S** et al 2009 - *Use of modified spectacles and light bulbs to block blue light at night may prevent postpartum depression* Med Hypotheses 73(2):251-3 PMID: 19329259
- Bennie J** et al 2015 - *Cascading effects of artificial light at night: resource-mediated control of herbivores in a grassland ecosystem* Philos Trans R Soc Lond B Biol Sci 370 (1667) PMID: 25780243
- Beraldi R** et al 2003 - *Mouse early embryos obtained by natural breeding or in vitro fertilization display a differential sensitivity to extremely low-frequency electromagnetic fields* Mutat Res 538(1-2):163-70
- Bernabò N** et al 2010 - *Extremely low frequency electromagnetic field exposure affects fertilization outcome in swine animal model* Theriogenology 73(9):1293-305 PMID: 20176397
- Bernard N** et al 2008 - *Assessing the potential leukemogenic effects of 50Hz and their harmonics using an animal leukemia model* J Radiat Res (Tokyo) 49(6):565-77 PMID: 18838845
- Bethwaite P** et al 2001 - *Acute leukemia in electrical workers: a New Zealand case-control study* Cancer Causes Control 12(8):683-9 PMID: 11562108
- Binhi V** 2008 - *Do naturally occurring magnetic nanoparticles in the human body mediate increased risk of childhood leukaemia with EMF exposure?* Int J Radiat Biol 84(7):569-79 PMID: 18661373
- Blackman CF** 2006 - *Can EMF exposure during development leave an imprint later in life?* Electromagn Biol Med 25(4):217-25 PMID: 17178582
- Blackman CF** et al 2001 - *The influence of 1.2 microT, 60 Hz magnetic fields on melatonin- and tamoxifen-induced inhibition of MCF-7 cell growth* Bioelectromagnetics 22(2):122-8 PMID: 11180258
- Blank M & R Goodman** 2011 - *DNA is a fractal antenna in electromagnetic fields* Int J Radiat Biol 87(4):409-15 PMID: 21457072
- Blank M & R Goodman** 2009 - *Electromagnetic fields stress living cells* Pathophysiology 16(2-3):71-8 PMID: 19268550
- Blank M** 2008 - *Protein and DNA reactions stimulated by electromagnetic fields* Electromagnetic Biology and Medicine 27:3-23 PMID: 18327711
- Blank M** 2005 - *Do electromagnetic fields interact with electrons in the Na,K-ATPase?* Bioelectromagnetics 26(8):677-83 PMID: 16189824
- Blank M & R Goodman** 2004 - *Initial interactions in electromagnetic field-induced biosynthesis* J Cell Physiol 199(3):359-63 PMID: 15095282
- Blank M and R Goodman** 1997 - *Do electromagnetic fields interact directly with DNA?* Bioelectromagnetics 18: 111-115 PMID: 9084861
- Blask DE** et al 2014 - *Light exposure at night disrupts host/cancer circadian regulatory dynamics: impact on the Warburg effect, lipid signalling and tumor growth prevention* PLoS One 9(8):e102776 PMID: 25099274
- Blask DE** et al 2011 - *Circadian regulation of molecular, dietary, and metabolic signaling mechanisms of human breast cancer growth by the nocturnal melatonin signal and the consequences of its disruption by light at night* J Pineal Res 51(3):259-69 PMID: 21605163
- Blask DE** 2009 - *Melatonin, sleep disturbance and cancer risk* Sleep Med Rev 13(4):257-64 PMID: 19095474
- Blask DE** et al 2005 - *Melatonin-depleted blood from premenopausal women exposed to light at night stimulates growth of human breast cancer xenografts in nude rats* Cancer Res 65(23):11174-84 PMID: 16322268
- Blask DE** et al 2002 - *Light during darkness, melatonin suppression and cancer progression* Neuro Endocrinol Lett 23 Suppl 2:52-6 PMID: 12163849
- Blomstedt P** et al 2006 - *Electromagnetic environmental influences on implanted deep brain stimulators* Neuromodulation 9(4):262-9 PMID: 22151760

- Bolte JF** et al 2014 – *Everyday exposure to power frequency magnetic fields and associations with non-specific physical symptoms* Environ Pollut 196:224-9 PMID: 25463717
- Bonello J & CV Sammut** 2017 – *Experimental analysis of radiographer exposure to the static field from a 1.5-T magnetic resonance imaging machine* Int J Occup Saf Ergon 23(1):133-138 PMID: 27458053
- Bonhomme-Faivre L** et al 2003 - *Effects of electromagnetic fields on the immune systems of occupationally exposed humans and mice* Arch Environ Health 58(11):712-7 PMID: 15702897
- Bonhomme-Faivre L** et al 1998a – *Alterations of biological parameters in mice chronically exposed to low-frequency (50 Hz) electromagnetic fields* Life Sci 62(14):1271-80 PMID: 9570342
- Bonhomme-Faivre L** et al 1998 - *Study of human neurovegetative and hematologic effects of environmental low-frequency (50-Hz) electromagnetic fields produced by transformers* Arch Environ Health 53(2):87-92 PMID: 9577931
- Boorman GA** et al 2000 - *Magnetic fields and mammary cancer in rodents: a critical review and evaluation of published literature* Radiat Res 153(5 Pt 2):617-26 PMID: 10790284
- Boorman GA** et al 2000 - *Evaluation of in vitro effects of 50 and 60 Hz magnetic fields in regional EMF exposure facilities* Radiat Res 153(5 Pt 2):648-57 PMID: 10790288
- Borgs L** et al 2009 – *Cell “circadian” cycle: new role for mammalian core clock genes* Cell Cycle 8(6):832-7 PMID: 19221497
- Borhani N** et al 2011 - *Analysis of DNA fragmentation in mouse embryos exposed to an extremely low-frequency electromagnetic field* Electromagn Biol Med 30(4):246-52 PMID: 22047462
- Borjanovic SS** et al 2005 - *ECG changes in humans exposed to 50 Hz magnetic fields* J Occup Health 47(5):391-96 PMID: 16230832
- Bortkiewicz A** et al 2006 - *Neurovegetative disturbances in workers exposed to 50 Hz electromagnetic fields* Int J Occup Med Environ Health 19(1):53-60 PMID: 16881599
- Boscolo P** et al 2001 - *Effects of low frequency electromagnetic fields on expression of lymphocyte subsets and production of cytokines of men and women employed in a museum* Sci Total Environ 270(1-3):13-20 PMID: 11327385
- Bradley JK** et al 2007 – *Occupational exposure to static and time-varying gradient magnetic fields in MR units* J Magn Reson Imaging 26(5):1204-9 PMID: 17969141
- Brainard GC** et al 2001 – *Action spectrum for melatonin regulation in humans: evidence for a novel circadian photoreceptor* J Neurosci 21(16):6405-12 PMID: 11487664
- Brainard GC** et al 1999 – *The relationship between electromagnetic field and light exposures to melatonin and breast cancer risk: a review of the relevant literature* J Pineal Res 26(2):65-100 PMID: 10100735
- Brem F** et al 2006 – *Magnetic iron compounds in the human brain: a comparison of tumour and hippocampal tissue* J R Soc Interface 3(11):833-41 PMID: 17015303
- Brisdelli F** et al 2014 – *ELF-MF attenuates quercetin-induced apoptosis in K562 cells through modulating the expression of Bcl-2 family proteins* Mol Cell Biochem 397(1-2):33-43 PMID: 25084985
- Brouwer M** et al 2015 – *Occupational exposures and Parkinson’s disease mortality in a prospective Dutch cohort* Occup Environ Med 72(6):448-55 PMID: 25713156
- Brown DL** et al 2009 - *Rotating night shift work and the risk of ischemic stroke* Am J Epidemiol 169(11):1370-7 PMID: 19357324
- Brudnowska J & B Peplonska** 2011 - *[Night shift work and cancer risk: a literature review]* Med Pr 62(3):323-38 PMID: 21870422
- Buchachenko A** 2016 – *Why magnetic and electromagnetic effects in biology are irreproducible and contradictory?* Bioelectromagnetics 37(1):1-13
- Buczyński A** et al 2005 – *The assessment of oxygen metabolism selected parameters of blood platelets exposed to low frequency magnetic radiation in cars – in vitro studies* Roczn Akad Med Białymst 50 Suppl 1:23-5 PMID: 16119619

- Budak B** et al 2008 - *Effects of extremely low frequency electromagnetic fields on distortion product otoacoustic emissions in rabbits* *Auris Nasus Larynx* 36(3):255-62 PMID: 18606507
- Budi A** et al 2007 - *Effect of frequency on insulin response to electric field stress* *J Phys Chem B* 111(20): 5748-56 PMID: 17472363
- Budi A** et al 2005 - *Electric field effects on insulin chain-B conformation* *J Phys Chem B Condens Matter Mater Surf Interfaces Biophys* 109(47):22641-8 PMID: 16853947
- Buldak RJ** et al 2012 - *Short-term exposure to 50 Hz ELF-EMF alters the cisplatin-induced oxidative response in AT478 murine squamous cell carcinoma cells* *Bioelectromagnetics* 33(8):641-51 PMID: 22535669
- Bunin GR** et al 2006 - *Parental heat exposure and risk of childhood brain tumor: a Children's Oncology Group study* *Am J Epidemiol* 164(3):222-31 PMID: 16775044
- Burda H** et al 2009 - *Extremely low-frequency electromagnetic fields disrupt magnetic alignment of ruminants* *Proc Natl Acad Sci U S A* 106(14):5708-13 PMID: 19299504
- Burger T** et al 2010 - *Changing and shielded magnetic fields suppress c-Fos expression in the navigation circuit: input from the magnetosensory system contributes to the internal representation of space in a subterranean rodent* *J R Soc Interface* 7(50):1275-92 PMID: 20219838
- Busljeta I** et al 2000 - *[Biological effects of nonionizing radiation: low frequency electromagnetic fields]* *Arh Hig Rada Toksikol* 51(1):35-51 PMID: 11059071
- Cabrales LB** et al 2001 - *ELF magnetic field effects on some haematological and biochemical parameters of peripheral blood in mice* *Electro Magnetobiol* 20(2):185-91
- Cakir DU** et al 2009 - *Alterations of hematological variations in rats exposed to extremely low frequency magnetic fields (50 Hz)* *Arch Med Res* 40(5):352-6 PMID: 19766897
- Calabrò E** et al 2013 - *50 Hz electromagnetic field produced changes in FTIR spectroscopy associated with mitochondrial transmembrane potential reduction in neuronal-like SH-SY5Y cells* *Oxid Med Cell Longev* 2013:414393 PMID: 23970948
- Calcabrini C** et al 2016 - *Effect of extremely low-frequency electromagnetic fields on antioxidant activity in the human keratinocyte cell line NCTC 2544* *Biotechnol Appl Biochem* PMID: 27001710
- Calvente I** et al 2014 - *Characterization of Indoor Extremely Low Frequency and Low Frequency Electromagnetic Fields in the INMA-Granada Cohort* *PLoS One* 9(9):e106666 PMID: 25192253
- Cam ST** et al 2011 - *Occupational exposure to magnetic fields from transformer stations and electric enclosures in Turkey* *Electromagn Biol Med* 30(2):74-9 PMID: 21591891
- Canseven AG** et al 2006 - *Suppression of natural killer cell activity on *Candida stellatoidea* by a 50 Hz magnetic field* *Electromagn Biol Med* 25(2):79-85 PMID: 16771296
- Cao XW** et al 2009 - *[Alternating magnetic field damages the reproductive function of murine testes]* *Zhonghua Nan Ke Xue* 15(6):530-3 PMID: 19593994
- Cao YN** et al 2006 - *Effects of exposure to extremely low frequency electromagnetic fields on reproduction of female mice and development of offsprings* *Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi* 24(8):468-70 PMID: 16978513
- Caplan LS** et al 2000 - *Breast cancer and electromagnetic fields – a review* *Ann Epidemiol* 10(1):31-44 PMID: 10658687
- Capone F** et al 2009 - *Does exposure to extremely low frequency magnetic fields produce functional changes in human brain?* *J Neural Transm* 116(3):257-65 PMID: 19189041
- Carpenter DO** 2013 - *Human disease resulting from exposure to electromagnetic fields* *Rev Environ Health* 28(4):159-72 PMID 24280284
- Carrubba S** et al 2010 - *Numerical analysis of recurrence plots to detect effect of environmental-strength magnetic fields on human brain electrical activity* *Med Eng Phys* 32(8):898-907 PMID: 20634119
- Carrubba S** et al 2009 - *The electric field is a sufficient physical determinant of the human magnetic sense* *Int J Radiat Biol* 85(7):622-32 PMID: 19557602

- Carrubba S** et al 2008a - *Method for detection of changes in the EEG induced by the presence of sensory stimuli* J Neurosci Methods 173(1):41-6 PMID: 18579211
- Carrubba S & AA Marino** 2008b - *The effects of low-frequency environmental-strength electromagnetic fields on brain electrical activity: a critical review of the literature* Electromagn Biol Med 27(2):83-101 PMID: 18568928
- Carrubba S** et al 2008c - *Magnetosensory evoked potentials: consistent nonlinear phenomena* Neurosci Res 60(1):95-105 PMID: 18036693
- Carrubba S** et al 2007a - *Nonlinear EEG activation evoked by low-strength low-frequency magnetic fields* Neurosci Lett 417(2):212-6 PMID: 17350168
- Carrubba S** et al 2007b - *Evidence of a nonlinear human magnetic sense* Neuroscience 144(1):356-67 PMID: 17069982
- Cecconi S** et al 2000 - *Evaluation of the effects of extremely low frequency electromagnetic fields on mammalian follicle development* Hum Reprod 15(11):2319-25 PMID: 11056125
- Cech R** et al 2008 - *Current densities in a pregnant woman model induced by simultaneous ELF electric and magnetic field exposure* Phys Med Biol 53(1):177-86 PMID: 18182695
- Cech R** et al 2007 - *Fetal exposure to low frequency electric and magnetic fields* Phys Med Biol 52(4):879-88 PMID: 17264358
- Celikler S** et al 2009 - *A biomonitoring study of genotoxic risk to workers of transformers and distribution line stations* Int J Environ Health Res 19(6):421-30 PMID: 20183199
- Cellini L** et al 2008 - *Bacterial response to the exposure of 50 Hz electromagnetic fields* Bioelectromagnetics 29(4):302-11 PMID: 18175330
- Cerveny J** et al 2011 - *Directional preference may enhance hunting accuracy in foraging foxes* Biol Lett 7(3):355-7 PMID: 21227977
- Che Y** et al 2007 - *effects of exposure to 50 Hz magnetic field of 1 mT on the performance of detour learning task by chicks* Brain Res Bull 74(1-3):178-82 PMID: 17683805
- Chen C** et al 2010 - *Extremely low-frequency electromagnetic fields exposure and female breast cancer risk: a meta-analysis based on 24,338 cases and 60,628 controls* breast Cancer Res Treat 123(2):569-76 PMID: 20145992
- Chen G** et al 2008 - *[Effects of 50 Hz magnetic fields on gene expression in MCF-7 cells]* Zhejiang Da Xue Xue Bao Yi Xue Ban 37(1):15-22 PMID: 18275114
- Chen G** et al 2000 - *Effect of electromagnetic field exposure on chemically induced differentiation of friend erythroleukemia cells* Environ Health Perspect 108(10):967-72 PMID: 11049817
- Chen Q** et al 2013 - *A meta-analysis on the relationship between exposure to ELF-EMFs and the risk of female breast cancer* PLoS One 8(7):e69272 PMID: 23869239
- Chibisov SM** et al 2004 - *Magnetic storm effect on the circulation of rabbits* Biomed Pharmacother 58(S1):S15-19 PMID: 15754833
- Chiu RS & MA Stuchly** 2005 - *Electric fields in bone marrow substructures at power-line frequencies* IEEE Trans Biomed Eng 52(6):1103-9 PMID: 15977739
- Cho H** et al 2012 - *Neural stimulation on human bone marrow-derived mesenchymal stem cells by extremely low frequency electromagnetic fields* Biotechnol Prog 28(5):1329-35 PMID: 22848041
- Cho S** et al 2014 - *Enhanced cytotoxic and genotoxic effects of gadolinium following ELF-EMF irradiation in human lymphocytes* Drug Chem Toxicol 37(4):440-7 PMID: 24479558
- Cho SI** et al 2012 - *Extremely low-frequency magnetic fields modulate nitric oxide signaling in rat brain* Bioelectromagnetics 33(7):568-74 PMID: 22496058
- Cho YH** et al 2007 - *Effects of extremely low-frequency electromagnetic fields on delayed chromosomal instability induced by bleomycin in normal human fibroblast cells* J Toxicol Environ Health A 70(15-16):1252-8 PMID: 17654242
- Cho YH & HW Chung** 2003 - *The effect of extremely low frequency electromagnetic fields (ELF-EMF) on the frequency of micronuclei and sister chromatid exchange in human lymphocytes induced by benzo(a)pyrene* Toxicol Lett 143(1):37-44 PMID: 12697378

- Chu LY** et al 2011 - *Extremely low frequency magnetic field induces oxidative stress in mouse cerebellum* Gen Physiol Biophys 30(4):415-21 PMID: 22131325
- Cid MA** et al 2012 - *Antagonistic effects of a 50 Hz magnetic field and melatonin in the proliferation and differentiation of hepatocarcinoma cells* Cell Physiol Biochem 30(6):1502-16 PMID: 23235525
- Ciejka E** et al 2011 - *Effects of extremely low frequency magnetic field on oxidative balance in brain of rats* J Physiol Pharmacol 62(6):657-61 PMID: 22314568
- Collard JF** et al 2011 - *In vitro study of the effects of ELF electric fields on gene expression in human epidermal cells* Bioelectromagnetics 32(1):28-36 PMID: 20809503
- Comba P & L Fazzo** 2009 - *Health effects of magnetic fields generated from power lines: new clues for an old puzzle* Ann Ist Suoer Sanita 45(3):233-7 PMID: 19861725
- Contalbrigo L** et al 2009 - *Effects of different electromagnetic fields on circadian rhythms of some haematochemical parameters in rats* Biomed Environ Sci 22(4):348-53 PMID: 19950532
- Cook CM** et al 2009 - *Changes in human EEG alpha activity following exposure to two different pulsed magnetic field sequences* Bioelectromagnetics 30(1):9-20 PMID: 18663700
- Cook CM** et al 2005 - *Resting EEG effects during exposure to a pulsed ELF magnetic field* Bioelectromagnetics 26(5):367-76 PMID: 15887255
- Cooper AR** et al 2009 - *A population-based cohort study of occupational exposure to magnetic fields and cardiovascular disease mortality* Ann Epidemiol 19(1):42-48 PMID: 19064188
- Corbacio M** et al 2011 - *Human cognitive performance in a 3mT power-line frequency magnetic field* Bioelectromagnetics 32(8):620-33 PMID: 21544842
- Corzani A** et al 2015 - *Clinical management of electromagnetic interferences in patients with pacemakers and implantable cardioverter-defibrillators: review of the literature and focus on magnetic resonance conditional devices* J Cardiovasc Med (Hagerstown) 16(10):704-13 PMID: 26313816
- Coskun O & S Comlekci** 2010 - *Effect of ELF electric field on some on biochemistry characters in the rat serum* Toxicol Ind Health 27(4):329-33 PMID: 21088055
- Coskun S** et al 2009 - *Effects of continuous and intermittent magnetic fields on oxidative parameters in vivo* Neurochem Res 34(2):238-43 PMID: 18563561
- Costa EV** et al 2013 - *Fractal analysis of extra-embryonic vascularization in Japanese quail embryos exposed to extremely low frequency magnetic fields* Bioelectromagnetics 34(2):114-121 PMID: 23060284
- Costas L** et al 2016 - *Night shift work and chronic lymphocytic leukemia in the MCC-Spain case-control study* Int J Cancer 139(9):1994-2000 PMID: 27416551
- Cretti FR & A Gambirasio** 2015 - *Study of occupational static magnetic field exposure among magnetic resonance scanning operators at the Azienda Ospedaliera Papa Giovanni XXIII (Bergamo)* Med Lav 106(1):3-16 PMID: 25607283
- Cridland NA** et al 1999 - *50 Hz magnetic field exposure alters onset of S-phase in normal human fibroblasts* Bioelectromagnetics 20(7):446-52 PMID: 10495310
- Crozier S** et al 2007 - *Exposure of workers to pulsed gradients in MRI* J Magn Reson Imaging 26(5):1236-54 PMID: 17969133
- Crozier S** et al 2007 - *Numerical study of currents in workers induced by body-motion around high-ultrahigh field MRI magnets* J Magn Reson Imaging 26(5):1261-77 PMID: 17969138
- Crumpton MJ** 2005 - *The Bernal lecture 2004. Are low-frequency electromagnetic fields a health hazard?* Philos Trans R Soc Lond B Biol Sci 360(1458):1223-30 PMID: 16147518
- Cui Y** et al 2014 - *Exposure to extremely low-frequency electromagnetic fields inhibits T-type calcium channels via AA/LTE4 signaling pathway* Cell Calcium 55(1):48-58 PMID: 24360572
- Cui Y** et al 2012 - *Deficits in water maze performance and oxidative stress in the hippocampus and striatum induced by extremely low frequency magnetic field exposure* PloS One 7(5):e32196 PMID: 22570685
- Cvetkovic D & I Cosic** 2009 - *Alterations of human electroencephalographic activity caused by multiple extremely low frequency magnetic field exposures* Med Biol Eng Comput 47(10):1063-1073 PMID: 19707808

- Czeisler CA** et al 1999 - *Stability, precision, and near-24-hour period of the human circadian pacemaker* Science 284(5423):2177-81 PMID: 10381883
- D'Angelo C** et al 2015 - *Experimental model for ELF-EMF exposure: Concern for human health* Saudi J Biol Sci 22(1):75-84 PMID: 25561888
- d'Angelo R** et al 2007 - *[Measurements of professional exposure to ELF fields in some production areas within the territory of Regione Campania and comparison with the action values according to 2004/40/CE Directive]* G Ital Med Lav Ergon 29(3 Suppl):774-6 PMID: 18409954
- Dauchy RT** et al 2014 - *Circadian and melatonin disruption by exposure to light at night drives intrinsic resistance to tamoxifen therapy in breast cancer* Cancer Res 74(15):4099-110 PMID:25062775
- Dauchy RT** et al 2011 - *Eliminating animal facility Light-at-night contamination and its effect on circadian regulation of rodent physiology, tumor growth, and metabolism: a challenge in the relocation of a cancer research laboratory* J Am Assoc Lab Anim Sci 50(3):326-36 PMID: 21640027
- Davanipour Z** et al 2014 - *Severe Cognitive Dysfunction and Occupational Extremely Low Frequency Magnetic Field Exposure among Elderly Mexican Americans* Br J Med Res 4(8):1641-1662 PMID: 24839595
- Davanipour Z & E Sobel** 2009 - *Long-term exposure to magnetic fields and the risks of Alzheimer's disease and breast cancer: Further biological research* Pathophysiology 16(2-3):149-56 PMID: 19278839
- Davanipour Z** et al 2007 - *A case-control study of occupational magnetic field exposure and Alzheimer's disease: results from the California Alzheimer's Disease Diagnosis and Treatment Centers* BMC Neurol 7:13 PMID: 17559686
- Davis S & DK Mirick** 2007 - *Residential magnetic fields, medication use, and the risk of breast cancer* Epidemiology 18(2):266-9 PMID: 17202871
- Davis S** et al 2002 - *Residential magnetic fields and the risk of breast cancer* Am J Epidemiol 155(5):446-54 PMID: 11867356
- Davis S** et al 2001 - *Night Shift Work, Light at Night, and Risk of Breast Cancer* JNCI 93(20):1557-1562 PMID: 11604479
- Deadman JE** et al 1999 - *Exposures of children in Canada to 60-Hz magnetic and electric fields* Scand J Work Environ Health 25(4):368-75 PMID: 10505663
- De Bruyn L & L de Jager** 2010 - *Effect of long-term exposure to a randomly varied 50 Hz power frequency magnetic field on the fertility of the mouse* Electromagn Biol Med 29(1-2):52-61 PMID: 20560771
- DeGregorio BA** et al 2014 - *Power lines, roads, and avian nest survival: effects on predator identity and predation intensity* Ecol Evol 4(9):1589-600 PMID: 24967077
- de Kleijn S** et al 2016 - *A short-term extremely low frequency electromagnetic field exposure increases circulating leukocyte numbers and affects HPA-axis signalling in mice* Bioelectromagnetics 37(7):433-43 PMID: 27553635
- De la Iglesia HO** et al 2015 - *Access to electric light is associated with shorter sleep duration in a traditionally hunter-gatherer community* J Biol Rhythms 30(4):342-50 PMID: 26092820
- Del Giudice E** et al 2007 - *Fifty Hertz electromagnetic field exposure stimulates secretion of beta-amyloid peptide in cultured human neuroglioma* Neurosci Lett 418(1):9-12 PMID: 17382472
- Delle Monache S** et al 2008 - *Extremely low frequency electromagnetic fields (ELF-EMFs) induce in vitro angiogenesis process in human endothelial cells* Bioelectromagnetics 29(8):640-8 PMID: 18512694
- Deng Y** et al 2013 - *Effects of aluminium and extremely low frequency electromagnetic radiation on oxidative stress and memory in brain of mice* Biol Trace Elem Res 156(1-3):243-52 PMID: 24158621
- De Paula RM** et al 2008 - *A connection between MAPK pathways and circadian clocks* Cell Cycle 7(17):2630-4 PMID: 18728391
- De Roos AJ** et al 2001 - *Parental occupational exposures to electromagnetic fields and radiation and the incidence of neuroblastoma in offspring* Epidemiology 12(5):508-17 PMID: 11505168
- De Vocht F** et al 2014 - *Maternal residential proximity to sources of extremely low frequency electromagnetic fields and adverse birth outcomes in a UK cohort* Bioelectromagnetics 35(3):201-9 PMID: 24482293

- De Vocht F & B Lee** 2014b – *Residential proximity to electromagnetic field sources and birth weight: Minimizing residual confounding using multiple imputation and propensity score matching* Environ Int Aug; 69:51-7 PMID: 24815339
- Dibirdik I et al** 1998 - *Stimulation of Src family protein tyrosine kinases as a proximal and mandatory step for SYK kinase-dependent phospholipase C gamma 2 activation in lymphoma B cells exposed to low energy electromagnetic fields* J Biol Chem 273: 4035-4039 PMID: 9461594
- Di Giampaolo L et al** 2006 - *Follow up study on the immune response to low frequency electromagnetic fields in men and women working in a museum* Int J ImmunoPathol Pharmacol 19(4 Suppl):37-42 PMID: 17291405
- Di Loreto S et al** 2009 – *Fifty hertz extremely low-frequency magnetic field exposure elicits redox and trophic response in rat-cortical neurons* J Cell Physiol 219(2):334-43 PMID: 19115234
- Dimitrijević D et al** 2014 - *Extremely low frequency magnetic field (50 Hz, 0.5 mT) modifies fitness components and locomotor activity of Drosophila subobscura* Int J Radiat Biol 90(5):337-43 PMID: 24475738
- Dimitrova S et al** 2004 - *Influence of local geomagnetic storms on arterial blood pressure* Bioelectromagnetics 25(6):408-14 PMID: 15300726
- Dominici L et al** 2011 - *Genotoxic hazard evaluation in welders occupationally exposed to extremely low-frequency magnetic fields (ELF-MF)* Int J Hyg Environ Health 215(1):68-75 PMID: 21862403
- Dominoni DM et al** 2014 - *Individual-based measurements of light intensity provide new insights into the effects of artificial light at night on daily rhythms of urban-dwelling songbirds* J Anim Ecol 83(3):681-92 PMID: 24102250
- Draper G et al** 2005 - *Childhood cancer in relation to distance from high voltage power lines in England and Wales: a case-control study* British Medical Journal 1290-1293 PMID: 15933351
- Du XG et al** 2008 – [*Effects of 50 Hz magnetic fields on DNA double-strand breaks in human lens epithelial cells*] Zhejiang Da Xue Xue Bao Yi Xue Ban 37(1):9-14 PMID: 18275113
- Duan W et al** 2015 – *Comparison of the genotoxic effects induced by 50 Hz extremely low-frequency electromagnetic fields and 1800 MHz radiofrequency electromagnetic fields in GC-2 cells* Radiat Res 183(3):305-14 PMID: 25688995
- Duan Y et al** 2014 – *Extremely low frequency electromagnetic field exposure causes cognitive impairment associated with alteration of the glutamate level, MAPK pathway activation and decreased CREB phosphorylation in mice hippocampus: reversal by procyanidins extracted from the lotus seedpod* Food Funct 5(9):2289-97 PMID: 25066354
- Duan Y et al** 2013 - *The preventive effect of lotus seedpod procyanidins on cognitive impairment and oxidative damage induced by extremely low frequency electromagnetic field exposure* Food Funct 4(8):1252-62 PMID: 23764910
- Dundar B et al** 2009 - *The effect of the prenatal and post-natal long-term exposure to 50 Hz electric field on growth, pubertal development and IGF-1 levels in female Wistar rats* Toxicol Ind Health 25(7):479-87 PMID: 19783573
- Dupont MJ et al** 2005 - *Reduced litter sizes following 48-h of prenatal exposure to 5 nT to 10 nT, 0.5 Hz magnetic fields: implications for sudden infant deaths* Int J Neurosci 115(5):713-5 PMID: 15823935
- Eleuteri AM et al** 2009 - *50 Hz extremely low frequency electromagnetic fields enhance protein carbonyl groups content in cancer cells: effects on proteasomal systems* J Biomed Biotechnol Aug 5 PMID: 19672456
- El-Helaly M & E Abu-Hashem** 2010 - *Oxidative stress, melatonin level, and sleep insufficiency among electronic equipment repairers* Indian J Occup Environ Med 14(3):66-70 PMID: 21461157
- El-Helaly M et al** 2010 – *Workplace exposures and male infertility – a case-control study* Int J Occup Med Environ Health 23(4):331-8 PMID: 21306978
- Elmas O** 2016 - *Effects of electromagnetic field exposure on the heart: a systematic review* Toxicol Ind Health 32(1):76-82 PMID: 24021427
- Emre M et al** 2011 - *Oxidative stress and Apoptosis in Relation to Exposure to Magnetic Field* Cell Biochem Biophys 59(2):71-7 PMID: 20824388
- Erdal N et al** 2007 - *Cytogenetic effects of extremely low frequency magnetic field on Wistar rat bone marrow* Mutat Res 630(1-2):69-77 PMID: 17452120

- Erren TC** 2001 – *A meta-analysis of epidemiologic studies of electric and magnetic fields and breast cancer in women and men* Bioelectromagnetics Suppl 5:S105-19 PMID: 11170121
- Falone S** et al 2016 – *Improved mitochondrial and methylglyoxal-related metabolisms support hyperproliferation induced by 50 Hz magnetic field in neuroblastoma cells* J Cell Physiol 231(9):2014-25 PMID: 26757151
- Falone S** et al 2008 - *Chronic exposure to 50Hz magnetic fields causes a significant weakening of antioxidant defence systems in aged rat brain* Int J Biochem Cell Biol 40(12):2762-2770 PMID: 18585472
- Falone S** et al 2007 - *Fifty hertz extremely low-frequency electromagnetic field causes changes in redox and differentiative status in neuroblastoma cells* Int J Biochem Cell Biol 39(11):2093-106 PMID: 17662640
- Farina M** et al 2010 – *ELF-EMFs induced effects on cell lines: controlling ELF generation in laboratory* Progr Electromagn Res B 24:131-153
- Farkhad SA** et al 2007 - *Effects of extremely low frequency electromagnetic fields on testes in guinea pig* Pak J Biol Sci 10(24):4519-22 PMID: 19093523
- Farrell JM** et al 1997 - *The effect of pulsed and sinusoidal magnetic fields on the morphology of developing chick embryos* Bioelectromagnetics 18(6):431-8 PMID: 9261540
- Fazzo L** et al 2009 - *Morbidity experience in populations residentially exposed to 50 hz magnetic fields: methodology and preliminary findings of a cohort study* Int J Occup Environ Health 15(2):133-42 PMID: 19496479
- Fedrowitz M & W Löscher** 2012 – *Gene expression in the mammary gland tissue of female Fischer 344 and Lewis rats after magnetic field exposure (50 Hz, 100 μ T) for 2 weeks* int J Radiat Biol 88(5):425-9 PMID: 22280403
- Fedrowitz M & W Löscher** 2008 - *Exposure of Fischer 344 rats to a weak power-frequency magnetic field facilitates mammary tumorigenesis in the DMBA model of breast cancer* Carcinogenesis 29(1):186-193 PMID: 17916910
- Fedrowitz M & W Löscher** 2005 - *Power frequency magnetic fields increase cell proliferation in the mammary gland of female Fischer 344 rats but not various other rat strains or substrains* Oncology 69(6): 486-98 PMID: 16424678
- Fedrowitz M** et al 2004 – *Significant differences in the effects of magnetic field exposure on 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis in two substrains of Sprague-Dawley rats* Cancer Res 64(1):243-51 PMID: 14729631
- Fedrowitz M** et al 2002 - *Magnetic field exposure increases cell proliferation but does not affect melatonin levels in the mammary gland of female Sprague Dawley rats* Cancer Res 62(5):1356-63 PMID: 11888905
- Fei X** et al 2014 – *Application safety evaluation of the radio frequency identification tag under magnetic resonance imaging* Biomed Eng Online 13:129 PMID: 25187420
- Fernie KJ & SJ Reynolds** 2005 - *The effects of electromagnetic fields from power lines on avian reproductive biology and physiology: A review* J Toxicol Environ Health B Crit Rev 8(2):127-40 PMID: 15804752
- Fernie KJ & DM Bird** 2001 - *Evidence of oxidative stress in American kestrels exposed to electromagnetic fields* Environ Res 86(2):198-207 PMID: 11437466
- Fews AP** et al 1999a - *Increased exposure to pollutant aerosols under high voltage power lines* Int J Radiat Biol 75(12):1505-21 PMID: 10622257
- Fews AP** et al 1999b - *Corona ions from powerlines and increased exposure to pollutant aerosols* Int J Radiat Biol 75(12):1523-31 PMID: 10622258
- Feychting M** 2005 - *Non-cancer EMF effects related to children* Bioelectromagnetics Suppl 7:S69-74 PMID: 16142774
- Feychting M** et al 2005 - *EMF and health* Annu Rev Public Health 26:165-89 PMID: 15760285
- Feychting M** et al 2003 - *Occupational magnetic field exposure and neurodegenerative disease* Epidemiology 14(4): 413-9 PMID: 12843764
- Feychting M** et al 1998 – *Reduced cancer incidence among the blind* Epidemiology 9(5):490-4 PMID: 9730026
- Feychting M** et al 1998 - *Magnetic fields and breast cancer in Swedish adults residing near high-voltage power lines* Epidemiology 9(4): 392-7 PMID: 9647902
- Feychting M** et al 1998 - *Dementia and occupational exposure to magnetic fields* Scand J Work Environ Health 24(1):46-53 PMID: 9562400

- Figueiro MG** et al 2011 - *The impact of light from computer monitors on melatonin levels in college students* *Neuro Endocrinol Lett* 32(2):158-63 PMID 21552190
- Floderus B** et al 1999 - *Occupational magnetic field exposure and site-specific cancer incidence: a Swedish cohort study* *Cancer Causes Control* 10(5):323-32 PMID: 10530600
- Flynn-Evans EE** et al 2009 - *Total visual blindness is protective against breast cancer* *Cancer Causes Control* 20(9):1753-6 PMID: 19649715
- Focke F** et al 2010 - *DNA fragmentation in human fibroblasts under extremely low frequency electromagnetic field exposure* *Mutat Res* 683(1-2):74-83 PMID: 19896957
- Foley LE** et al 2011 - *Human cryptochrome exhibits light-dependent magnetosensitivity* *Nat Commun* 2:356 PMID: 21694704
- Fonken LK & RJ Nelson** 2014 - *The Effects of Light at Night on Circadian Clocks and Metabolism* *Endocr Rev* 35(4):648-70 PMID: 24673196
- Fonken LK** et al 2013 - *Mice exposed to dim light at night exaggerate inflammatory responses to lipopolysaccharide* *Brain Behav Immun* 34C:159-163 PMID: 24012645
- Fonken LK** et al 2013a - *Dark nights reverse metabolic disruption caused by dim light at night* *Obesity (Silver Spring)* 21(6):1159-64 PMID: 23666854
- Fonken LK** et al 2013b - *Dim light at night disrupts molecular circadian rhythms and increases body weight* *J Biol Rhythms* 28(4):262-71 PMID: 23929553
- Fonken LK** et al 2012 - *Dim light at night increases immune function in Nile grass rats, a diurnal rodent* *Chronobiol Int* 29(1):26-34 PMID: 2217098
- Fonken LK & RJ Nelson** 2011 - *Illuminating the deleterious effects of light at night* *F1000 Med Rep* 3:18 PMID: 21941596
- Fonken LK** et al 2010 - *Light at night increases body mass by shifting the time of food intake* *Proc Natl Acad Sci USA* 107(43):18664-9 PMID: 20937863
- Fonken LK** et al 2009 - *Influence of light at night on murine anxiety- and depressive-like responses* *Behav Brain Res* 205(2):349-54 PMID: 19591880
- Forgács Z** et al 2004 - *Effects of whole-body 50-Hz magnetic field exposure on mouse Leydig cells* *ScientificWorldJournal* Oct 20;4 Suppl 2:83-90 PMID: 15517106
- Forozaandeh E** et al 2013 - *Toxic effects of 50 Hz electromagnetic field on memory consolidation in male and female mice* *Toxicol Ind Health* 29(3):293-9 PMID: 22397835
- Forssén UM** et al 2006 - *Occupational magnetic field exposure and the risk of acoustic neuroma* *Am J Ind Med* 49(2):112-8 PMID: 16374820
- Forssén UM** et al 2000 - *Occupational and residential magnetic field exposure and breast cancer in females* *Epidemiology* 11(1): 24-9 PMID: 10615839
- Fournier NM** et al 2012 - *Neurodevelopmental anomalies of the hippocampus in rats exposed to weak intensity complex magnetic fields throughout gestation* *Int J Dev Neurosci* 30(6):427-33 PMID: 22867731
- Frahm J** et al 2006 - *Alteration in cellular functions in mouse macrophages after exposure to 50 Hz magnetic fields* *J Cell Biochem* 99(1):168-77 PMID: 16598759
- Franco G** et al 2010 - *Focusing ethical dilemmas of evidence-based practice in EMF-exposed MRI-workers: a qualitative analysis* *Int Arch Occup Environ Health* 83(4):417-21 PMID: 19888595
- Franco G** et al 2008 - *Health effects of occupational exposure to static magnetic fields used in magnetic resonance imaging: a review* *Med Lav* 99(1):16-28 PMID: 18254536
- Frei P** et al 2013 - *Residential Distance to High-voltage Power Lines and Risk of Neurodegenerative Diseases: a Danish Population-based Case-Control Study* *Am J Epidemiol* 177(9):970-8 PMID: 23572049
- French CC** et al 2009 - *The "Haunt" project: An attempt to build a "haunted" room by manipulating complex electromagnetic fields and infrasound* *Cortex* 45(5):619-29 PMID: 18635163

- Frilot 2nd C** et al 2011 - *Transient and steady-state magnetic fields induce increased fluorodeoxyglucose uptake in the rat hindbrain* Synapse 65(7):617-23 PMID: 21484881
- Fritschi L** et al 2011 - *Hypotheses for mechanisms linking shiftwork and cancer* Med Hypotheses 77(3):430-6 PMID: 21723672
- Fu Y** et al 2008 - *Long-term exposure to extremely low-frequency magnetic fields impairs spatial recognition memory in mice* Clin Exp Pharmacol Physiol 35(7):797-800 PMID: 18346171
- Fuxjager MJ** et al 2014 - *The geomagnetic environment in which sea turtle eggs incubate affects subsequent magnetic navigation behaviour of hatchlings* Proc Biol Sci 281(1791) PMID: 25100699
- Gaddameedhi S** et al 2011 - *Control of skin cancer by the circadian rhythm* Proc Natl Acad Sci U S A 108(46):18790-5 PMID: 22025708
- García AM** et al 2008 - *Occupational exposure to extremely low frequency electric and magnetic fields and Alzheimer disease: a meta-analysis* Int J Epidemiol 37(2):329-40 PMID: 18245151
- Garip AI & Z Akan** 2010 - *Effect of ELF-EMF on number of apoptotic cells; correlation with reactive oxygen species and HSP* Acta Biol Hung 61(2):158-67 PMID: 20519170
- George I** et al 2008 - *Myocardial function improved by electromagnetic field induction of stress protein hsp70* J Cell Physiol 216(3):816-23 PMID: 18446816
- Gerardi G** et al 2016 - *The effect of electromagnetic fields with the Mg²⁺ cyclotron frequency on mouse reproductive performance* J Electromagn Anal 8(3):115-123
- Gerardi G** et al 2008 - *Effects of electromagnetic fields of low frequency and low intensity on rat metabolism* Biomagn Res Technol 6(1):3 PMID: 18380892
- Ghadamgahi M** et al 2016 - *Memory loss risk assessment for the students nearby high-voltage power lines – a case study* Environ Monit Assess 188(6):355 PMID: 27194231
- Ghaderi R** et al 2014 - *Urinary melatonin levels and skin malignancy* Iran J Med Sci 39(1):64-7 PMID: 24453396
- Ghione S** et al 2005 - *Effects of 50 Hz electromagnetic fields on electroencephalographic alpha activity, dental pain threshold and cardiovascular parameters in humans* Neurosci Lett 382(1-2):112-7 PMID: 15911132
- Ghione S** et al 2004 - *Human head exposure to a 37 Hz electromagnetic field: effects on blood pressure, somatosensory perception, and related parameters* Bioelectromagnetics 25(3):167-75 PMID: 15042625
- Giorgi G** et al 2011 - *Effect of extremely low frequency magnetic field exposure on DNA transposition in relation to frequency, wave shape and exposure time* Int J Radiat Biol 87(6):601-8 PMID: 21504343
- Girgert R** et al 2010 - *Signal transduction of the melatonin receptor MT1 is disrupted in breast cancer cells by electromagnetic fields* Bioelectromagnetics 31(3):237-45 PMID: 19882681
- Girgert R** et al 2008 - *Electromagnetic fields alter the expression of estrogen receptor cofactors in breast cancer cells* Bioelectromagnetics 29(3):169-76 PMID: 18027843
- Girgert R** et al 2005 - *Induction of tamoxifen resistance in breast cancer cells by ELF electromagnetic fields* Biochem Biophys Res Commun 336(4): 1144-9 PMID: 16168388
- Glickman G** et al 2002 - *Ocular input for human melatonin regulation: relevance to breast cancer* Neuro Endocrinol Lett 23 Suppl 2:17-22 PMID: 12163843
- Gmitrov J** 2007 - *Geomagnetic field modulates artificial static magnetic field effect on arterial baroreflex an on microcirculation* Int J Biometeorol 51(4):335-44 PMID: 16983578
- Gmitrov J & C Ohkubo** 2002 - *Artificial static and geomagnetic field interrelated impact on cardiovascular regulation* Bioelectromagnetics 23(5):329-38 PMID: 12111753
- Gobba F** et al 2012 - *Menometrorrhagia in magnetic resonance imaging operators with copper intrauterine contraceptive devices (IUDS): A case report* Int J Occup Med Environ Health 25(1):97-102 PMID: 22219062
- Gobba F** et al 2011 - *Occupational and environmental exposure to extremely low frequency-magnetic fields: a personal monitoring study in a large group of workers in Italy* J Expo Sci Environ Epidemiol 21(6):634-45 PMID: 21468121

- Gobba F** et al 2009 - *Extremely low frequency-magnetic fields (ELF-EMF) occupational exposure and natural killer activity in peripheral blood lymphocytes* *Sci Total Environ* 407(3):1218-23 PMID: 18804846
- Gobba F** et al 2009 - *Natural killer cell activity decreases in workers occupationally exposed to extremely low frequency magnetic fields exceeding 1 microT* *Int J Immunopathol Pharmacol* 22(4):1059-66 PMID: 20074470
- Gok DK** et al 2016 - *The developmental effects of extremely low frequency electric fields on visual and somatosensory evoked potentials in adult rats* *Electromagn Biol Med* 35(1):65-74 PMID: 25496054
- Gok D Kantar** et al 2014 - *Effects of extremely low-frequency electric fields at different intensities and exposure durations on mismatch negativity* *Neuroscience* 272:154-66 PMID: 24811084
- Gonet B** et al 2009 - *Effects of extremely low-frequency magnetic fields on the oviposition of drosophila melanogaster over three generations* *Bioelectromagnetics* 30(8):687-9 PMID: 19630039
- Gorgulu S** et al 2014 - *Effect of orthodontic bracket and different wires on radiofrequency heating and magnetic field interactions during 3-Tesla magnetic resonance imaging* *Dentomaxillofac Radiol* 43(2):20130356 PMID: 24257741
- Graham C & MR Cook** 1999 - *Human sleep in 60 Hz magnetic fields* *Bioelectromagnetics* 20(5):277-83 PMID: 10407512
- Greenland S** et al 2000 - *A pooled analysis of magnetic fields, wire codes, and childhood leukemia. Childhood Leukemia-EMF Study Group* *Epidemiology* 11(6):624-34 PMID: 11055621
- Gromadzińska J** et al 2013 - *Relationship between intensity of night shift work and antioxidant status in blood of nurses* *Int Arch Occup Environ Health* 86(8):923-30 PMID: 23179107
- Grundy A** et al 2016 - *Occupational exposure to magnetic fields and breast cancer among Canadian men* *Cancer Med* 5(3):586-96 PMID: 26792203
- Grundy A** et al 2011 - *The influence of light at night exposure on melatonin levels among Canadian rotating shift nurses* *Cancer Epidemiol Biomarkers Prev* 20(11):2404-12 PMID: 21953114
- Guil F** et al 2011 - *Minimising mortality in endangered raptors due to power lines: the importance of spatial aggregation to optimize the application of mitigation measures* *PLoS One* 6(11):e28212 PMID: 22140549
- Güler G** et al 2009 - *Protein oxidation under extremely low frequency electric field in guinea pigs. Effect of N-acetyl-L-cysteine treatment* *Gen Physiol Biophys* 28(1):47-55 PMID: 19390136
- Güler G** et al 2008 - *The protective effects of N-acetyl-L-cysteine and epigallocatechin-3-gallate on electric field-induced hepatic oxidative stress* *Int J Radiat Biol* 84(8):669-80 PMID: 18661381
- Güler G** et al 2007 - *Electric field effects on Guinea pig serum: the role of free radicals* *Electromagn Biol Med* 26(3):207-223 PMID: 17886007
- Güngör HR** et al 2014 - *[Are there any adverse effects of static magnetic field from magnetic resonance imaging devices on bone health of workers?]* *Eklemler Hastalik Cerrahisi* 25(1):36-41 PMID: 24650383
- Hajnorouzi A** et al 2011 - *Growth promotion and a decrease of oxidative stress in maize seedlings by a combination of geomagnetic and weak electromagnetic fields* *J Plant Physiol* 168(10):1123-1128 PMID: 21227536
- Håkansson N** et al 2003 - *Occupational exposure to extremely low frequency magnetic fields and mortality from cardiovascular disease* *Am J Epidemiol* 158(6):534-42 PMID: 12965879
- Håkansson N** et al 2003 - *Neurodegenerative diseases in welders and other workers exposed to high levels of magnetic fields* *Epidemiology* 14(4): 420-6 PMID: 12843765
- Håkansson N** et al 2002 - *Cancer incidence and magnetic field exposure in industries using resistance welding in Sweden* *Occup Environ Med* 59(7):481-6 PMID: 12107298
- Hall EJ** 2008 - *Radiation biology for pediatric radiologists* *Pediatr Radiol* 39 Suppl 1:S57-64 PMID: 19083223
- Han J** et al 2010 - *[Effect of early pregnancy electromagnetic field exposure on embryo growth ceasing]* *Wei Sheng Yan Jiu* 39(3):349-52 PMID: 20568468
- Hanifin JP** et al 2006 - *High-intensity red light suppresses melatonin* *Chronobiol Int* 23(1-2):251-68 PMID: 16687299

- Hansen J & CF Lassen** 2014 - *[Shift work and risk of cancer and coronary heart diseases.] Ugeskr Laeger* 176(2):146-149 PMID: 24629681
- Hansen J** 2001 - *Increased breast cancer risk among women who work predominately at night* *Epidemiology* 12(1):74-7 PMID: 11138824
- Hansen J** 2001 - *Editorial: Light at night, shiftwork and breast cancer risk* *J Natl Cancer Inst* 93(20):1513-15 PMID: 11604468
- Hansson Mild K et al** 2013 - *Exposure classification of MRI workers in epidemiological studies* *Bioelectromagnetics* 34(1):81-4 PMID: 22532229
- Harakawa S et al** 2005 - *Effects of a 50 Hz electric field on plasma lipid peroxide level and antioxidant activity in rats* *Bioelectromagnetics* 26(7):589-594 PMID: 16037959
- Hardell L & C Sage** 2008 - *Biological effects from electromagnetic field exposure and public exposure standards* *Biomed Pharmacother* 62(2):104-109 PMID: 18242044
- Harland J et al** 1999 - *Evidence for a slow time-scale of interaction for magnetic fields inhibiting tamoxifen's antiproliferative action in human breast cancer cells* *Cell Biochem Biophys* 31(3): 295-306 PMID: 10736752
- Harland JD & RP Liburdy** 1997 - *Environmental magnetic fields inhibit the antiproliferative action of tamoxifen and melatonin in a human breast cancer cell line* *Bioelectromagnetics* 18(8): 555-62 PMID: 9383244
- Harland et al** 1997 - *Inhibition of Tamoxifen's oncostatic function by a 1.2 microtesla magnetic field.* Delivered at the Second World Congress for Electricity and Magnetism in Biology and Medicine
- Harmanci H et al** 2003 - *Risk factors for Alzheimer disease: a population-based case-control study in Istanbul, Turkey* *Alzheimer Dis Assoc Disord* 17(3): 139-45 PMID: 14512826
- Hart FX** 2010 - *Cytoskeletal forces produced by extremely low-frequency electric fields acting on extracellular glycoproteins* *Bioelectromagnetics* 31(1):77-84 PMID: 19593781
- Hasanzadeh H et al** 2014 - *Effect of ELF-EMF Exposure on Human Neuroblastoma Cell Line: a Proteomics Analysis* *Iran J Cancer Prev* 7(1):22-7 PMID: 25250144
- Hashish AH et al** 2007 - *Assessment of biological changes of continuous whole body exposure to static magnetic field and extremely low frequency electromagnetic fields in mice* *Ecotoxicol Environ Saf* 71(3):895-902 PMID: 17996303
- Havas M & A Olstad** 2008 - *Power quality affects teacher wellbeing and student behaviour in three Minnesota schools* *Sci Total Environ* 402(2-3):157-62 PMID: 18556048
- Havas M** 2006 - *Electromagnetic Hypersensitivity: Biological Effects of Dirty Electricity with Emphasis on Diabetes and Multiple Sclerosis* *Electromagn Biol Med* 25(4):259-68 PMID: 17178585
- He C et al** 2015 - *Circadian disrupting exposures and breast cancer risk: a meta-analysis* *Int Arch Occup Environ Health* 88(5):533-47 PMID: 25261318
- He LH et al** 2011 - *Effects of extremely low frequency magnetic field on anxiety level and spatial memory of adult rats* *Chin Med J (Engl)* 124(20):3362-6 PMID: 22088536
- Heinrich A et al** 2014 - *Women are more strongly affected by dizziness in static magnetic fields of magnetic resonance imaging scanners* *Neuroreport* 25(14):1081-4 PMID: 25089803
- Hemmati M et al** 2014 - *Effects of electromagnetic fields on Reelin and Dab1 expression in the developing cerebral cortex* *Neurol Sci* 35(8):1243-7 PMID: 24584565
- Henshaw DL & RJ Reiter** 2005 - *Do magnetic fields cause increased risk of childhood leukemia via melatonin disruption?* *Bioelectromagnetics Suppl* 7:S86-97 PMID: 16059923
- Henshaw DL** 2008 - CHILDREN with LEUKAEMIA Conference 29-30 April, London
- Henshaw DL** 2002 - *Does our electricity distribution system pose a serious risk to public health?* *Med Hypotheses* 59(1):39-51 PMID: 12160679
- Hocking B & K Hansson Mild** 2008 - *Guidance note: risk management of workers with medical electronic devices and metallic implants in electromagnetic fields* *Int J Occup Saf Ergon* 14(2):217-22 PMID: 18534156
- Hoffman AE et al** 2010 - *CLOCK in breast tumorigenesis; genetic, epigenetic, and transcriptional profiling analyses* *Cancer Res* 70(4):1459-68 PMID: 20124474

- Hohtola E** 2016 – *[Birds' sense of direction]* *Duodecim* 132(13-14):1239-45 PMID: 27522832
- Hong ME** et al 2011 - *Influence of exposure to extremely low frequency magnetic field on neuroendocrine cells and hormones in stomach of rats* *Korean J Physiol Pharmacol* 15(3):137-42 PMID: 21860591
- Hong R** et al 2005 - *[Effects of extremely low frequency electromagnetic fields on DNA of testicular cells and sperm chromatin structure in mice]* *Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi* 23(6):414-7 PMID: 16405771
- Hong R** et al 2003 - *[Effects of extremely low frequency electromagnetic fields on male reproduction in mice]* *Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi* 21(5): 342-5 PMID: 14761395
- Hosseini M** et al 2015 – *Hazard zoning around electric substations of petrochemical industries by stimulation of extremely low-frequency magnetic fields* *Environ Monit Assess* 187(5):4449 PMID: 25877640
- Hours M** et al 2014 – *Interference between active implanted medical devices and electromagnetic field emitting devices is rare but real: results of an incidence study in a population of physicians in France* *Pacing Clin Electrophysiol* 37(3):290-6 PMID: 24033373
- Huang CY** et al 2014 – *Extremely low-frequency electromagnetic fields cause G1 phase arrest through the activation of the ATM-Chk2-p21 pathway* *PLoS One* 9(8):e104732 PMID: 25111195
- Huang CY** et al 2014 – *Distinct epidermal keratinocytes respond to extremely low-frequency electromagnetic fields differently* *PLoS One* 9(11):e113424 PMID: 25409520
- Huang J** et al 2013 - *Association between exposure to electromagnetic fields from high voltage transmission lines and neurobehavioral function in children* *PLoS One* 8(7):e67284 PMID: 23843999
- Hug K** et al 2006 - *Magnetic field exposure and neurodegenerative diseases – recent epidemiological studies* *Soz Praventivmed* 51(4):210-20 PMID: 17193783
- Huss A** et al 2013 - *Does apartment's distance to an in-built transformer room predict magnetic field exposure levels?* *J Expo Sci Environ Epidemiol* 23(5):554-8 PMID: 23340703
- Huss A** et al 2009 - *Residence near power lines and mortality from neurodegenerative diseases: longitudinal study of the Swiss population* *Am J Epidemiol* 169(2):167-75 PMID: 18990717
- Iakovou I** et al 2008 - *The computerized tomography scans and their dosimetric safety* *Hell J Nucl Med* 11(2):82-5 PMID: 18815660
- IARC Report** 2002 - *IARC Monographs of the Evaluation of Carcinogenic Risks to Humans. Non-Ionising Radiation, Part 1: Static and Extremely Low-Frequency (ELF) Electric and Magnetic Fields. Vol 80 19-26 June 2001*
- Ibrahim M** et al 2008 – *The influence of 50 Hz magnetic field on liver function* *Romanian J Biophys* 18(2):113-122
- Ichinose TY** et al 2004 – *Immune markers and ornithine decarboxylase activity among electric utility workers* *J Occup Environ Med* 46(2):104-12 PMID: 14767213
- Ikeno T** et al 2013 - *Dim light at night disrupts the short-day response in Siberian hamsters* *Gen Comp Endocrinol* 197:56-64 PMID: 24362257
- Ilonen K** et al 2008 - *Indoor transformer stations as predictors of residential ELF magnetic field exposure* *Bioelectromagnetics* 29(3):213-8 PMID: 18044741
- Ince B** et al 2012 - *Can exposure to manganese and extremely low frequency magnetic fields affect some important elements in the rat teeth?* *Eur Rev Med Pharmacol Sci* 16(6):763-9 PMID: 22913208
- Iorio R** et al 2011 - *Involvement of mitochondrial activity in mediating ELF-EMF stimulatory effect on human sperm motility* *Bioelectromagnetics* 32(1):15-27 PMID: 20690107
- Irgens A** et al 1999 – *The effect of male occupational exposure in infertile couples in Norway* *J Occup Environ Med* PMID: 10609232
- Irnich W & MK Steen-Mueller** 2011 - *Pacemaker sensitivity to 50 Hz noise voltages* *Europace* 13(9):1319-26 PMID: 21551474
- Ishay JS** et al 2007 – *Exposure to an additional alternating magnetic field affects comb building by worker hornets* *Physiol Chem Phys Med NMR* 39(1):83-8 PMID: 18613641

- Ishido M** et al 2001 - *Magnetic fields (MF) of 50 Hz at 1.2 μ T as well as 100 μ T cause uncoupling of inhibitory pathways of adenylyl cyclase mediated by melatonin 1a receptor in MF-sensitive MCF-7 cells* Carcinogenesis 22(7):1043-1048 PMID: 11408347
- Issa N** et al 2008 - *Nephrogenic systemic fibrosis and its association with gadolinium exposure during MRI* Cleve Clin J Med 75(2):95-7 PMID: 18290353
- Ivancsits S** et al 2005 - *Cell type-specific genotoxic effects of intermittent extremely low-frequency electromagnetic fields* Mutat Res 583(2):184-8 PMID: 15899587
- Ivancsits S** et al 2003 - *Age-related effects on induction of DNA strand breaks by intermittent exposure to electromagnetic fields* Mech Ageing Dev 124(7):847-50 PMID: 12875748
- Ivancsits S** et al 2003 - *Intermittent extremely low frequency electromagnetic fields cause DNA damage in a dose-dependent way* Int Arch Occup Environ Health 76(6): 431-6 PMID: 12802592
- Ivancsits S** et al 2002 - *Induction of DNA strand breaks by intermittent exposure to extremely-low-frequency electromagnetic fields in human diploid fibroblasts* Mutat Res 519(1-2): 1-13 PMID: 12160887
- Jacobs DI** et al 2013 - *Methylation alterations at imprinted genes detected among long-term shiftworkers* Environ Mol Mutagen 54(2):141-6 PMID: 23193016
- Jadidi M** et al 2007 - *Acute exposure to a 50 Hz magnetic field impairs consolidation of spatial memory in rats* Neurobiol Learn Mem 88(4):387-92 PMID: 17768075
- Janac B** et al 2012 - *Temporal patterns of extremely low frequency magnetic field-induced motor behavior changes in Mongolian gerbils of different age* Int J Radiat Biol 88(4):359-66 PMID: 22221164
- Janac B** et al 2009 - *Effect of continuous exposure to alternating magnetic field (50 Hz, 0.5 mT) on serotonin and dopamine receptors activity in rat brain* Gen Physiol Biophys 28 Spec No:41-6 PMID: 19893078
- Jankowski W** et al 2008 - *Influence of electromagnetic field on chosen parameters of thrombocytes' oxygen metabolism - in vitro research* Pol Merkur Lekarski 24(144):529-32 PMID: 18702336
- Jasser SA** et al 2006 - *Dim light adaptation attenuates acute melatonin suppression in humans* J Biol Rhythms 21(5):394-404 PMID: 16998159
- Jian W** et al 2009 - *X-ray-induced apoptosis of BEL-7402 cell line enhanced by extremely low frequency electromagnetic field in vitro* Bioelectromagnetics 30(2):163-5 PMID: 19051321
- Johansen C** 2004 - *Electromagnetic fields and health effects - epidemiologic studies of cancer, diseases of the central nervous system and arrhythmia-related heart disease* Scand J Work Environ Health 30(Suppl 1): 1-30 PMID: 15255560
- Johansen C** 2001 - *Exposure to electromagnetic fields and risk of central nervous system diseases among employees at Danish electric companies* Ugeskr Laeger 164(1):50-4 PMID: 11810798
- Johansen C** 2000 - *Exposure to electromagnetic fields and risk of central nervous system disease in utility workers* Epidemiology 11(5): 539-43 PMID: 10955406
- Johansen C & J H Olsen** 1998 - *Mortality from amyotrophic lateral sclerosis, other chronic disorders, and electric shocks among utility workers* Am J Epidemiol 148(4):362-8 PMID: 9717880
- Johansson O** 2009 - *Disturbance of the immune system by electromagnetic fields - A potentially underlying cause for cellular damage and tissue repair reduction which could lead to disease and impairment* Pathophysiology 16(2-3):157-77 PMID: 19398310
- Jones TM** et al 2015 - *Melatonin: a possible link between the presence of artificial light at night and reductions in biological fitness* Philos Trans R Soc Lond B Biol Sci 370(1667) PMID: 25780235
- Joseph W** et al 2012 - *In situ magnetic field exposure and ICNIRP-based safety distances for electronic article surveillance systems* Radiat Prot Dosimetry 148(4):420-7 PMID: 21613266
- Juutilainen J** 2008 - *Do electromagnetic fields enhance the effects of environmental carcinogens?* Radiat Prot Dosimetry 132(2):228-31 PMID: 18977776
- Juutilainen J & T Kumlin** 2006 - *Occupational magnetic field exposure and melatonin: interaction with light-at-night* Bioelectromagnetics 27(5):423-6 PMID: 16622861

- Juutilainen J** 2005 - *Developmental effects of electromagnetic fields* Bioelectromagnetics Suppl 7:S107-15 PMID: 16037961
- Kabuto M** et al 2006 - *Childhood leukaemia and magnetic fields in Japan: a case-control study of childhood leukaemia and residential power-frequency magnetic fields in Japan* Int J Cancer 119(3): 643-50 PMID: 16496405
- Kagan RA** 2016 - *Electrocution of raptors on power lines: A review of necropsy methods and findings* Vet Pathol 53(5):1030-6 PMID: 27154543
- Karatsoreos IN** et al 2011 - *Disruption of circadian clocks has ramifications for metabolism, brain, and behavior* Proc Natl Acad Sci U S A 108(4):1657-62 PMID: 21220317
- Kargul B** et al 2011 - *Effect of extremely low frequency magnetic field on enamel microhardness in rats* Eur J Paediatr Dent 12(4):253-5 PMID: 22185251
- Karipidis K** et al 2007 - *Occupational exposure to power frequency magnetic fields and risk of non-Hodgkin lymphoma* Occup Environ Med 64(1):25-9 PMID: 16551758
- Karpowicz J & K Gryz** 2013 - *The pattern of exposure to static magnetic field of nurses involved in activities related to contrast administration into patients diagnosed in 1.5T MRI scanners* Electromagn Biol Med 32(2):182-91 PMID: 23675621
- Karpowicz J** et al 2011 - *[Exposure to static magnetic field and health hazards during the operation of magnetic resonance scanners]* Med Pr 62(3):309-21 PMID: 21870421
- Kaufman DW** et al 2009 - *Risk factors for leukaemia in Thailand* Ann Hematol 88(11):1079-88 PMID: 19294385
- Kaune WT** 2002 - *Thermal noise limit on the sensitivity of cellular membranes to power frequency electric and magnetic fields* Bioelectromagnetics 23(8):622-8 PMID: 12395418
- Kavet R** et al 2011 - *The relationship between residential magnetic fields and contact voltage: a pooled analysis* Radiat Res 176(6):807-15 PMID: 21988611
- Kavet R & HC Hooper** 2009 - *Residential magnetic fields and measures of neutral-to-earth voltage: variability within and between residences* Health Phys 97(4):332-342 PMID: 19741362
- Ke XQ** et al 2008 - *50-Hz magnetic field induces EGF-receptor clustering and activates RAS* Int J Radiat Biol 84(5):413-20 PMID: 18464070
- Keegan TJ** et al 2012 - *Case-control study of paternal occupation and childhood leukaemia in Great Britain, 1962-2006* Br J Cancer 107(9):1652-9 PMID: 22968649
- Kelsh MA & JD Sahl** 1997 - *Mortality among a cohort of electric utility workers, 1960-1991* Am J Ind Med 31(5):534-44 PMID: 9099354
- Kesari KK** et al 2016 - *Induction of micronuclei and superoxide production in neuroblastoma and glioma cell lines exposed to weak 50 Hz magnetic fields* J R Soc Interface 13(114) PMID: 26791000
- Kesari KK** et al 2015 - *Genomic instability induced by 50Hz magnetic fields is a dynamically evolving process not blocked by antioxidant treatment* Mutat Res Genet Toxicol Environ Mutagen 794:46-51 PMID: 26653983
- Khaki AA** et al 2016 - *The effect of non-ionizing electromagnetic field with a frequency of 50 Hz in rat ovary: A transmission electron microscopy study* Int J Reprod Biomed (Yazd) 14(2):125-32 PMID: 27200427
- Khaki AA** et al 2008 - *The effects of electromagnetic field on the microstructure of seminal vesicles in rat: a light and transmission electron microscope study* Pak J Biol Sci 11(5):692-701 PMID: 18819564
- Kheifets L** et al 2010 - *Extremely low frequency electric fields and cancer: Assessing the evidence* Bioelectromagnetics 31(2):89-101 PMID: 19650076
- Kheifets L** et al 2009 - *Future needs of occupational epidemiology of extremely low frequency electric and magnetic fields: review and recommendations* Occup Environ Med 66(2):72-80 PMID: 18805878
- Kheifets L** et al 2008 - *Occupational electromagnetic fields and leukemia and brain cancer: an update to two meta-analyses* J Occup Environ Med 50(6):677-88 PMID: 18545095
- Kheifets L** et al 2007 - *Extremely low-frequency magnetic fields and heart disease* Scand J Work Environ Health 33(1):5-12 PMID: 17353960

- Kheifets L** et al 2006 - *Public health impact of extremely low-frequency electromagnetic fields* Environ Health Perspect 114(10):1532-7 PMID: 17035138
- Kheifets L** et al 2005 - *The sensitivity of children to electromagnetic fields* Pediatrics 116(2):e303-13 PMID: 16061584
- Kheifets LI** et al 1999 - *Comparative analyses of the studies of magnetic fields and cancer in electric utility workers: studies from France, Canada, and the United States* Occup Environ Med 56(8):567-74 PMID: 10492657
- Kheifets LI** et al 1997 - *Leukemia risk and occupational electric field exposure in Los Angeles County, California* Am J Epidemiol 146(1):87-90 PMID: 9215226
- Khrennikov A** 2011 - *Quantum-like model of processing of information in the brain based on classical electromagnetic field* Biosystems 105(3):250-62 PMID: 21683119
- Kim HS** et al 2014 - *Continuous exposure to 60Hz magnetic fields induces duration- and dose-dependent apoptosis of testicular germ cells* Bioelectromagnetics 35(2):100-7 PMID: 24123080
- Kim J** et al 2012 - *Time-varying magnetic fields of 60 Hz at 70 mT induce DNA double-strand breaks and activate damage checkpoints without apoptosis* Bioelectromagnetics 33(5):383-93 PMID: 22180328
- Kim J** et al 2010 - *Repetitive exposure to a 60-Hz time-varying magnetic field induces DNA double-strand breaks and apoptosis in human cells* Biochem Biophys Res Commun 400(4):739-44 PMID: 20816755
- Kim YW** et al 2009 - *Effects of 60 Hz 14 microT magnetic field on the apoptosis of testicular germ cell in mice* Bioelectromagnetics 30(1):66-72 PMID: 18839413
- Kim YK** et al 2006 - *Deletion of the inducible 70-kDa heat shock protein genes in mice impairs cardiac contractile function and calcium handling associated with hypertrophy* Circulation 113(22):2589-97 PMID: 16735677
- Kiray A** et al 2013 - *The effects of exposure to electromagnetic field on rat myocardium* Toxicol Ind Health 29(5):418-25 PMID: 22323476
- Kirschenlohr H** et al 2012 - *Gene expression profiles in white blood cells of volunteers exposed to a 50 Hz electromagnetic field* Radiat Res 178(3):138-49 PMID: 22856684
- Kirschvink JL** et al 2001 - *Magnetite-based magnetoreception* Curr Opin Neurobiol 11(4):462-7 PMID: 11502393
- Kitaoka K** et al 2013 - *Chronic exposure to an extremely low-frequency magnetic field induces depression-like behaviour and corticosterone secretion without enhancement of the hypothalamic-pituitary-adrenal axis in mice* Bioelectromagnetics 34(1):43-51 PMID: 22753092
- Klaeboe L** et al 2005 - *Residential and occupational exposure to 50-Hz magnetic fields and brain tumours in Norway: a population-based study* Int J Cancer 115(1):137-41 PMID: 15688420
- Kliukiene J** et al 2004 - *Residential and occupational exposures to 50-Hz magnetic fields and breast cancer in women: a population-based study* Am J Epidemiol 159(9): 852-61 PMID: 15105178
- Kliukiene J** et al 2003 - *Follow-up of radio and telegraph operators with exposure to electromagnetic fields and risk of breast cancer* Eur J Cancer Prev 12(4):301-7 PMID: 12883383
- Kloog I** et al 2011 - *Does the modern urbanized sleeping habitat pose a breast cancer risk?* Chronobiol Int 28(1):76-80 PMID: 21182407
- Kloog I** et al 2010 - *Nighttime light level co-distributes with breast cancer incidence worldwide* Cancer Causes Control 21(12):2059-68 PMID: 20680434
- Kloog I** et al 2009 - *Global co-distribution of light at night (LAN) and cancers of prostate, colon and lung in men* Chronobiol Int 26(1):108-25 PMID: 19142761
- Kloog I** et al 2008 - *Light at night co-distributes with incident breast but not lung cancer in the female population of Israel* Chronobiol Int 25(1):65-81 PMID: 18293150
- Knesević D** 2005 - *[Suppression of tumor immunity by electromagnetic fields and glucocorticoids in mice with implanted Ehrlich carcinoma]* Med Pregl 58(11-12):609-13 PMID: 16673867
- Koeman T** et al 2014 - *Occupational extremely low-frequency magnetic field exposure and selected cancer outcomes in a prospective Dutch cohort* Cancer Causes Control 25(2):203-14 PMID: 24241907

- Komaki A** et al 2014 – *Effects of exposure to an extremely low frequency electromagnetic field on hippocampal long-term potentiation in rat* Brain Res 1564:1-8 PMID: 24727530
- Korpinar MA** et al 2012 - *The 50 Hz (10 mT) sinusoidal magnetic field: effects on stress-related behavior of rats* Bratisl Lek Listy 113(9):521-4 PMID: 22979905
- Korpinen L & R Pääkkönen** 2016 – *Occupational exposure to electric and magnetic fields during tasks at ground or floor level at 110 kV substations in Finland* Int J Occup Saf Ergon 22(3):384-8 PMID: 27075421
- Korpinen L & R Pääkkönen** 2014 – *Examples of occupational exposure to electric and magnetic fields at 110-kV gas-insulated substations (GISs)* Radiat Prot Dosimetry
- Korpinen L** et al 2013 - *Implantable Cardioverter Defibrillators in Electric and Magnetic Fields of 400 kV Power Lines* Pacing Clin Electrophysiol 37(3):297-303 PMID: 24033389
- Korpinen LH** et al 2011b - *Occupational exposure to electric fields and induced currents associated with 400 kV substation tasks from different service platforms* Bioelectromagnetics 32(1):79-83 PMID: 20925064
- Korpinen L** et al 2011a - *Occupational exposure to Electric and Magnetic Fields While Working at Switching and Transforming Stations of 110 kV* Ann Occup Hyg 55(5):526-36 PMID: 21454328
- Korpinen LH & RJ Pääkkönen** 2010 - *Occupational exposure to electric and magnetic fields during work tasks at 110 kV substations in the Tampere region* Bioelectromagnetics 31(3):252-4 PMID: 20077529
- Koyama S** et al 2008 - *Extremely low frequency (ELF) magnetic fields enhance chemically induced formation of apurinic/aprimidinic (AP) sites in A172 cells* Int J Radiat Biol 84(1):53-9 PMID: 17852556
- Koyama S** et al 2005 - *Combined exposure of ELF magnetic fields and x-rays increased mutant yields compared with x-rays alone in pTN89 plasmids* J Radiat Res (Tokyo) 46(2):257-64 PMID: 15988145
- Koziak AM** et al 2006 - *Light alters nociceptive effects of magnetic field shielding* Bioelectromagnetics 27(1):10-5 PMID: 16283641
- Kristupaitis D** et al 1998 - *Electromagnetic field-induced stimulation of Bruton's tyrosine kinase* J Biol Chem 273:12397-12401 PMID: 9575194
- Kudo M** 2014 – *Environmental Pathology: SY09-2 multiple sclerosis (MS) and neurodegeneration: cause and pathogenesis in relation to electromagnetic fields (EMF)* Pathology 46 Suppl 2:S15 PMID: 25188068
- Kula B** et al 1999 – *Effect of electromagnetic field on serum biochemical parameters in steelworkers* J Occup Health 41(3):177-180
- Kunt H** et al 2016 – *Effects of electromagnetic radiation exposure on bone mineral density, thyroid, and oxidative stress index in electrical workers* Onco Targets Ther 9:745-54 PMID: 26929645
- Kyriakou A** et al 2011 - *Local tissue temperature increase of a generic implant compared to the basic restrictions defined in safety guidelines* Bioelectromagnetics 33(5):366-74 PMID: 22105520
- Labrèche F** et al 2003 – *Occupational exposures to extremely low frequency magnetic fields and postmenopausal breast cancer* Am J Ind Med 44(6):643-52 PMID: 14635241
- Lacy-Hulbert A** et al 1998 - *Biological responses to electromagnetic fields* FASEB J 12:395-420 PMID: 9535213
- Lagroye I** et al 2011 - *ELF magnetic fields: animal studies, mechanisms of action* Prog Biophys Mol Biol 107(3):369-73 PMID: 21914452
- Lahijani MS** et al 2013 – *Effects of the ELF-MFs on the development of spleens of preincubated chicken embryos* Electromagn Biol Med 32(3):301-14 PMID: 23046252
- Lahijani MS** et al 2011 – *Effects of sinusoidal electromagnetic fields on histopathology and structures of brains of preincubated white leghorn chicken embryos* Electromagn Biol Med 30(3):146-57 PMID: 21861693
- Lahijani MS** et al 2009 - *Histopathological and ultrastructural studies on the effects of electromagnetic fields on the liver of preincubated white leghorn chicken embryo* Electromagn Biol Med 28(4):391-413 PMID: 20017630
- Lahijani MS** et al 2007 - *Light and electron microscope studies of effects of 50 Hz electromagnetic fields on preincubated chick embryo* Electromagn Biol Med 26(2):83-98 PMID: 17613036
- Lahijani MS & K Sajadi** 2004 - *Development of preincubated chicken eggs following exposure to 50 Hz electromagnetic fields with 1.33 – 7.32 mT flux densities* Ind J Exp Biol 42(9):858-65 PMID: 15462177

- Lahijani MS & M Ghafoori** 2000 - *Teratogenic effects of sinusoidal extremely low frequency electromagnetic fields on morphology of 24 hr chick embryos* Ind J Exp Biol 38(7):692-9 PMID: 11215313
- Lai H & N Singh** 2004 - *Magnetic-field-induced DNA strand breaks in brain cells of the rat* Environ Health Perspect 112(6): 687-94 PMID: 15121512
- Lai H & N Singh** 1998 - *60 Hz magnetic field exposure induces DNA crosslinks in rat brain cells* Mutat Res 400(1-2): 313-20 PMID: 9685689
- Lai H et al** 1998 - *Acute exposure to a 60 Hz magnetic field affects rats' water-maze performance* Bioelectromagnetics 19(2):117-22 PMID: 9492169
- Lai H & N Singh** 1997 - *Acute exposure to a 60 Hz magnetic field increases DNA strand breaks in rat brain cells* Bioelectromagnetics 18(2): 156-165 PMID: 9084866
- Lai H & N Singh** 1997 - *Melatonin and N-tert-butyl-alpha-phenylnitron block 60-Hz magnetic field-induced DNA single and double strand breaks in rat brain cells* J Pineal Res 22(3): 152-162 PMID: 9213269
- Ledoigt G et al** 2015 - *Synergistic health effects between chemical pollutants and electromagnetic fields* Rev Environ health 30(4):305-9 PMID: 26598938
- Lee CH et al** 2012 - *Dosage-dependent Induction of Behavioral Decline in Caenorhabditis elegans by Long-term Treatment of Static Magnetic Fields* J Radiat Res (Tokyo) 53(1):24-32 PMID: 22302042
- Lee GM et al** 2002 - *A nested case-control study of residential and personal magnetic field measures and miscarriages* Epidemiology 13(1):21-31 PMID: 11805582
- Lee HC et al** 2015 - *Effect of extremely low frequency magnetic fields on cell proliferation and gene expression* Bioelectromagnetics 36(7):506-16 PMID: 26239017
- Lee JS et al** 2004 - *Effects of 60 Hz electromagnetic field exposure on testicular germ cell apoptosis in mice* Asian J Androl 6(1):29-34 PMID: 15064831
- Lee JW et al** 2011 - *Genotoxic effects of 3 T magnetic resonance imaging in cultured human lymphocytes* Bioelectromagnetics 32(7):535-42 PMID: 21412810
- Lee SK et al** 2014 - *Extremely Low Frequency Magnetic Fields Induce Spermatogenic Germ Cell Apoptosis: Possible Mechanism* Biomed Res Int 2014:567183 PMID: 25025060
- Legros A et al** 2012 - *Neurophysiological and behavioural effects of a 60 Hz, 1,800 μ T magnetic field in humans* Eur J Appl Physiol 112(5):1751-62 PMID: 21894451
- Leitgeb N & H Gombotz** 2012 - *[Working in the magnetic field of ultrahigh field MRI]* Anaesthesist 61(8):728-32 PMID: 22907607
- Leitgeb N & R Cech** 2008 - *Dosimetric assessment of simultaneous exposure to elf electric and magnetic fields* IEEE Trans Biomed Eng 55(2 Pt 1):671-4 PMID: 18270003
- Leonardi GC et al** 2012 - *Correlation of the risk of breast cancer and disruption of the circadian rhythm (Review)* Oncol Rep 28(2):418-28 PMID: 22664950
- Lewis RC et al** 2016 - *Exposure to power-frequency magnetic fields and the risk of infertility and adverse pregnancy outcomes: update on the human evidence and recommendations for future study designs* J Toxicol Environ Health B Crit Rev 19(1):29-45 PMID: 27030583
- Li BL et al** 2015 - *Effect of long-term pulsed electromagnetic field exposure on hepatic and immunologic functions of rats* Wien Klin Wochenschr 127(23-24):959-62 PMID: 25910613
- Li CY et al** 2007 - *Extremely-low-frequency magnetic field exposure of children at schools near high voltage transmission lines* Sci Total Environ 376(1-3):151-9 PMID: 17316772
- Li CY et al** 2007 - *Survey of residential extremely-low-frequency magnetic field exposure among children in Taiwan* Environ Int 33(2):233-8 PMID: 17070908
- Li CY & FC Sung** 2003 - *Association between occupational exposure to power frequency electromagnetic fields and amyotrophic lateral sclerosis: a review* Am J Ind Med 43(2):212-20 PMID: 12541277
- Li CY et al** 1997 - *Residential exposure to 60-Hertz magnetic fields and adult cancers in Taiwan* Epidemiology 8(1): 25-30 PMID: 9116090

- Li DK** et al 2012 - *A prospective study of in-utero exposure to magnetic fields and the risk of childhood obesity* Sci Rep 2:540 PMID: 22844581
- Li DK** et al 2011 - *Maternal exposure to magnetic fields during pregnancy in relation to the risk of asthma in offspring* Arch Pediatr Adolesc Med 165(10):945-50 PMID: 21810627
- Li DK** et al 2010 - *Exposure to magnetic fields and the risk of poor sperm quality* Reprod Toxicol 29(1):86-92 PMID: 19910156
- Li DK** et al 2002 - *A population-based prospective cohort study of personal exposure to magnetic fields during pregnancy and the risk of miscarriage* Epidemiology 13(1):9-20 PMID: 11805581
- Li H** et al 2005 - *Effects of ELF magnetic fields on protein expression profile of human breast cancer cell MCF7* Sci China C Life Sci 48(5):506-14 PMID 16315602
- Li L et al** 2005 - *Pulsed electric field exposure of insulin induces anti-proliferative effects on human hepatocytes* Bioelectromagnetics 26(8):639-47 PMID: 16189829
- Li P** et al 2009 - *Maternal occupational exposure to extremely low frequency magnetic fields and the risk of brain cancer in the offspring* Cancer Causes Control 20(6):945-955 PMID: 19224378
- Li Q** et al 2010 - *Light at night and breast cancer risk: results from a population-based case-control study in Connecticut, USA* Cancer Causes Control 21(12):2281-5 PMID: 20927578
- Li S** et al 2012 - *[The progress of studies on the relation between circadian rhythm disruption and cancer]* Sheng Wu Yi Xue Gong Cheng Xue Za Zhi 29(5):991-4 PMID: 23198447
- Li SS** et al 2013 - *Gene expression and reproductive abilities of male Drosophila melanogaster subjected to ELF-EMF exposure* Mutat Res 758(1-2):95-103 PMID: 24157427
- Li X** et al 2001 - *[Effects of low frequency pulsed electric field on insulin studied by fluorescent spectrum]* Guang Pu Xue Yu Guang Pu Fen Xi 21(3):406-8 PMID: 12947682
- Li Y & P Héroux** 2014 - *Extra-low-frequency magnetic fields alter cancer cells through metabolic restriction* Electromagn Biol Med 33(4):264-75 PMID: 23915261
- Liboff AR** 2013 - *Why are living things sensitive to weak magnetic fields?* Electromagn Biol Med 33(3):241-5 PMID: 23915203
- Liboff AR** 2009 - *Electric polarization and the viability of living systems: ion cyclotron resonance-like interactions* Electromagn Biol Med 28(2):124-34 PMID: 19811395
- Lin H** et al 2001 - *Regulating genes with electromagnetic response elements* J Cell Biochem 81(1):143-148 PMID: 11180404
- Lin H** et al 1998a - *Magnetic field activation of protein-DNA binding* J Cell Biochem 70(3):297-303 PMID: 9706866
- Lin H** et al 1998b - *Myc-mediated transactivation of HSP70 expression following exposure to magnetic fields* J Cell Biochem 69(2):181-8 PMID: 9548565
- Lin H** et al 1997 - *Electromagnetic field exposure induces rapid, transitory heat shock factor activation in human cells* J Cell Biochem 66(4):482-8 PMID: 9282326
- Lin IF** et al 2008 - *Analysis of individual- and school-level clustering of power frequency magnetic fields* Bioelectromagnetics 29(7):564-70 PMID: 18543290
- Lindgren M** et al 2001 - *ELF magnetic fields in a city environment* Bioelectromagnetics 22(2):87-90 PMID: 11180253
- Lipnicki DM** 2009 - *An association between geomagnetic activity and dream bizarreness* Med Hypotheses 73(1):115-7 PMID: 19303220
- Lishko PV** et al 2010 - *Acid Extrusion from Human Spermatozoa is mediated by Flagellar Voltage-Gated Proton Channel* Cell 140(3):327-337 PMID: 20144758
- Litovitz TA** et al 1997 - *The role of temporal sensing in bioelectromagnetic effects* Bioelectromagnetics 18(5):388-95 PMID: 9209720

- Litovitz TA** et al 1997 - *Bioeffects induced by exposure to microwaves are mitigated by superposition of ELF noise* Bioelectromagnetics 18(6):422-30 PMID: 9261539
- Liu R** et al 2015 - *Aberrant methylation of miR-34b is associated with long-term shiftwork: a potential mechanism for increased breast cancer susceptibility* Cancer Causes Control 26(2):171-8 PMID: 25398683
- Liu H** et al 2014 - *Occupational Electromagnetic Field Exposures Associated with Sleep Quality: A Cross-Sectional Study* PLoS One 9(10):e110825 PMID: 25340654
- Liu TT** et al 2010 - *Effects of chronic exposure of power frequency magnetic field on neurobehaviour in rats* Beijing Da Xue Xue Bao 42(3):351-5 PMID: 20559415
- Liu T** et al 2008 - *Chronic exposure to low-intensity magnetic field improves acquisition and maintenance of memory* Neuroreport 19(5):549-52 PMID: 18388736
- Liu T** et al 2008 - *Anxiogenic effect of chronic exposure to extremely low frequency magnetic field in adult rats* Neurosci Lett 434(1):12-7 PMID : 18258364
- Liu X** et al 2013 - *Effects of extremely low frequency electromagnetic field on the health of workers in automotive industry* Electromagn Biol Med 32(4):551-9 PMID: 23631695
- Liu Y** et al 2015 - *Effect of 50 Hz extremely low-frequency electromagnetic fields on the DNA methylation and DNA methyltransferases in mouse spermatocyte-derived cell line GC-2* Biomed Res Int 2015:237183 PMID: 26339596
- Lockley SW** et al 2003 - *High sensitivity of the human circadian melatonin rhythm to resetting by short wavelength light* J Clin Endocrinol Metab 88(9):4502-5 PMID: 12970330
- Loomis D** et al 1997 - *Cancer mortality among electric utility workers exposed to polychlorinated biphenyls* Occup Environ Med 54(10):720-8 PMID: 9404319
- Löscher W** 2001 - *Do cocarcinogenic effects of ELF electromagnetic fields require repeated long-term interaction with carcinogens? Characteristics of positive studies using the DMBA breast cancer model in rats* Bioelectromagnetics 22(8):603-14 PMID: 11748679
- Lowenthal RM** et al 2007 - *Residential exposure to electric power transmission lines and risk of lymphoproliferative and myeloproliferative disorders: a case-control study* Internal Medicine Journal 37(9):615-619 PMID: 17543004
- Luo FL** et al 2014 - *Exposure to extremely low frequency electromagnetic fields alters the calcium dynamics of cultured entorhinal cortex neurons* Environ Res 135:236-46 PMID: 25462671
- Luo Y** et al 2013 - *Effects of electromagnetic radiation on morphology and TGF- β 3 expression in mouse testicular tissue* Toxicology May 22;310C:8-14 PMID: 23707491
- Lupke M** et al 2004 - *Cell activating capacity of 50 Hz magnetic fields to release reactive oxygen intermediates in human umbilical cord blood-derived monocytes and n Mono Mac 6 cells* Free Radic Res 38(9):985-93 PMID: 15621717
- Luukkonen J** et al 2014 - *Induction of genomic instability, oxidative processes, and mitochondrial activity by 50Hz magnetic fields in human SH-SY5Y neuroblastoma cells* Mutat Res 760:33-41 PMID: 24374227
- Luukkonen J** et al 2011 - *Pre-exposure to 50 Hz magnetic fields modifies menadione-induced genotoxic effects in human SH-SY5Y neuroblastoma cells* PLoS One 6(3):e18021 PMID: 21448285
- Ma Q** et al 2014 - *Extremely low-frequency electromagnetic fields affect transcript levels of neuronal differentiation-related genes in embryonic neural stem cells* PLoS One 9(3):e90041 PMID: 24595264
- Maaroufi K** et al 2013 - *Effects of combined ferrous sulphate administration and exposure to static magnetic field on spatial learning and motor abilities in rats* Brain Inj 27(4):492-9 PMID: 23473426
- Madjid Ansari A** et al 2016 - *Effects of short term and long term extremely low frequency magnetic field on depressive disorder in mice: Involvement of nitric oxide pathway* Life Sci 146:52-7 PMID: 26764231
- Maes A** et al 2015 - *The cytome assay as a tool to investigate the possible association between exposure to extremely low frequency magnetic fields and an increased risk for Alzheimer's disease* J Alzheimers Dis 50(3):741-9 PMID: 26757040
- Maes A & L Verschaeve** 2012 - *Can cytogenetics explain the possible association between exposure to extreme low-frequency magnetic fields and Alzheimer's disease?* J Appl Toxicol 32(2):81-7 PMID: 21935970

- Maes A** et al 2000 - *Cytogenetic effects of 50 Hz magnetic fields of different magnetic flux densities* Bioelectromagnetics 21(8):589-596 PMID: 11102949
- Makarov VI & I Khmelinskii** 2013 - *External control of the Drosophila melanogaster lifespan by combination of 3D oscillating low-frequency electric and magnetic fields* Electromagn Biol Med 33(4):276-81 PMID: 23977947
- Malagoli C** et al 2012 - *Maternal exposure to magnetic fields from high-voltage power lines and the risk of birth defects* Bioelectromagnetics 33(5):405-9 PMID: 22826845
- Malagoli C** et al 2010 - *Risk of hematological malignancies associated with magnetic fields exposure from power lines: a case-control study in two municipalities of northern Italy* Environ Health Mar 30;9:16. PMID: 20353586
- Malinina IuA & Alu Somov** 2003 - *[The influence of electromagnetic radiation of industrial frequency on Daphnia magna (Straus)]* Radiats Biol Radioecol 43(5):552-4 PMID: 14658289
- Man AK & R Shahidan** 2008 - *Variations in occupational exposure to magnetic fields among welders in Malaysia* Radiat Prot Dosimetry 128(4):444-8 PMID: 18045796
- Manikonda PK** et al 2014 - *Extremely low frequency magnetic fields induce oxidative stress in rat brain* Gen Physiol Biophys 33(1):81-90 PMID: 24334533
- Manikonda PK** et al 2007 - *Influence of extremely low frequency magnetic fields on Ca²⁺ signalling and NMDA receptor functions in rat hippocampus* Neurosci Lett 413(2):145-9 PMID: 17196332
- Mannerling AC** et al 2010 - *Effects of 50-Hz magnetic field exposure on superoxide radical anion formation and HSP70 induction in human K562 cells* Radiat Environ Biophys 49(4):731-41 PMID: 20582429
- Manni V** et al 2004 - *Low electric field (50 Hz) induces differentiation on primary human oral keratinocytes (HOK)* Bioelectromagnetics 25(2):118-26 PMID: 14735562
- Manni V** et al 2002 - *Effects of extremely low frequency (50 Hz) magnetic field on morphological and biochemical properties of human keratinocytes* Bioelectromagnetics 23(4):298-305 PMID: 11948610
- Manzella N** et al 2015 - *Circadian gene expression and extremely low-frequency magnetic fields: an in vitro study* Bioelectromagnetics 36(4):294-301 PMID: 25808738
- Marcilio I** et al 2011 - *Adult mortality from leukemia, brain cancer, amyotrophic lateral sclerosis and magnetic fields from power lines: a case-control study in Brazil* Rev Bras Epidemiol 14(4):580-8 PMID: 2218657
- Marino AA** et al 2004 - *Effect of low-frequency magnetic fields on brain electrical activity in human subjects* Clin Neurophysiol 115(5):1195-201 PMID: 15066545
- Mariucci G** et al 2010 - *Brain DNA damage and 70-kDa heat shock protein expression in CD1 mice exposed to extremely low frequency magnetic fields* Int J Radiat Biol 86(8):701-10 PMID: 20569191
- Markkanen A** et al 2008 - *Pre-exposure to 50 Hz magnetic fields modifies menadione-induced DNA damage response in murine L929 cells* Int J Radiat Biol 84(9):742-51 PMID: 18821388
- Martínez MA** et al 2015 - *Power-frequency magnetic field inhibits adipogenic differentiation in human ADSC Cell* Physiol Biochem 37(6):2297-310 PMID: 26625130
- Martínez MA** et al 2016 - *Power frequency magnetic fields affect the p38 MAPK-mediated regulation of NB69 cell proliferation implication of free radicals* Int J Mol Sci 17(4):510 PMID: 27058530
- Martínez MA** et al 2012 - *The proliferative response of NB69 human neuroblastoma cells to a 50 Hz magnetic field is mediated by ERK 1/2 signaling* Cell Physiol Biochem 29(5-6):675-86 PMID: 22613968
- Martínez-Sámano J** et al 2012 - *Effect of Acute Extremely Low Frequency Electromagnetic Field Exposure on the Antioxidant Status and Lipid Levels in Rat Brain* Arch Med Res 43(3):183-9 PMID: 22560984
- Martínez-Sámano J** et al 2010 - *Effects of acute electromagnetic field exposure and movement restraint on antioxidant system in liver, heart, kidney and plasma of Wistar rats: A preliminary report* Int J Radiat Biol 86(12):1088-94 PMID: 20701462
- Maslanyj M** et al 2007 - *Investigation of the sources of residential power frequency magnetic field exposure in the UK Childhood Cancer Study* J Radiol Prot 27(1):41-58 PMID: 17341803
- McCreary CR** et al 2006 - *Real-time measurement of cytosolic free calcium concentration in Jurkat cells during ELF magnetic field exposure and evaluation of the role of cell cycle* Bioelectromagnetics 27(5):354-64 PMID: 16715520

- McElroy JA** et al 2007 - *Occupational exposure to electromagnetic field and breast cancer risk in a large, population-based, case-control study in the United States* J Occup Environ Med 49(3):266-74 PMID: 17351512
- McNamee DA** et al 2011 - *The response of the human circulatory system to an acute 200- μ T, 60-Hz magnetic field exposure* Int Arch Occup Environ Health 84(3):267-77 PMID: 20496180
- McNamee DA** et al 2009 - *A literature review: the cardiovascular effects of exposure to extremely low frequency electromagnetic fields* Int Arch Occup Environ Health 82(8):919-33 PMID: 19221783
- Mee T** et al 2009 - *Occupational exposure of UK adults to extremely low frequency magnetic fields* Occup Environ Med 66(9):619-27 PMID: 19383596
- Mevissen M** et al 1998 - *Acceleration of mammary tumorigenesis by exposure of 7,12-dimethylbenz[a]anthracene-treated female rats in a 50-Hz, 100-microT magnetic field: replication study* J Toxicol Environ Health A 53(5):401-18 PMID: 9515942
- Mezei G** et al 2006 - *Analyses of magnetic-field peak-exposure summary measures* J Expo Sci Environ Epidemiol 16(6):477-85 PMID: 16249799
- Migliore R** et al 2017 - *The possible consequences for cognitive functions of external electric fields at power line frequency on hippocampal CA1 pyramidal neurons* Eur J Neurosci 45(8):1024-1031 PMID: 27374169
- Mihai CT** et al 2014 - *Extremely low-frequency electromagnetic fields cause DNA strand breaks in normal cells* J Environ Health Sci Eng 12(1):15 PMID: 24401758
- Mild KH & MO Mattson** 2010 - *ELF noise fields: a review* Electromagn Biol Med 29(3):72-97 PMID: 20707642
- Mild KH** et al 2009 - *Background ELF magnetic fields in incubators: A factor of importance in cell culture work* Cell Biol Int 33(7):755-7 PMID: 19393752
- Milham S** 2010 - *Historical evidence that electrification caused the 20th century epidemic of "diseases of civilization"* Med Hypotheses 74(2):337-45 PMID: 19748187
- Milham S & LL Morgan** 2008 - *A new electromagnetic exposure metric: high frequency voltage transients associated with increased cancer incidence in teachers in a California school* Am J Ind Med 51(8):579-86 PMID: 18512243
- Milham S** 2004 - *A cluster of male breast cancer in office workers* Am J Ind Med 46(1):86-7 PMID: 15202128
- Milham S & EM Ossiander** 2001 - *Historical evidence that residential electrification caused the emergence of the childhood leukaemia peak* Med Hypotheses 56(3):290-5 PMID: 11359349
- Miller AB & LM Green** 2010 - *Electric and magnetic fields at power frequencies* Chronic Dis Can 29 Suppl 1:69-83 PMID: 21199600
- Minder CE & DH Pflugger** 2001 - *Leukemia, brain tumors, and exposure to extremely low frequency electromagnetic fields in Swiss railway employees* Am J Epidemiol 153(9):825-35 PMID: 11323311
- Miyakawa T** et al 2001 - *Exposure of Caenorhabditis elegans to extremely low frequency high magnetic fields induces stress responses* Bioelectromagnetics 22(5):333-9 PMID: 11424156
- Miyakoshi J** et al 2000 - *Exposure to strong magnetic fields at power frequency potentiates X-ray-induced DNA strand breaks* J Radiat Res 41(3):293-302 PMID: 11210830
- Mohamed GM** et al 2015 - *Effect of incubating egg exposure to magnetic field on the biophysical blood properties of newly-hatched chicks* Pak J Pharm Sci 28(5 Suppl): 1865-70 PMID: 26525029
- Møllerlørkken OJ** et al 2012 - *No effects of MRI scan on male reproduction hormones* Reprod Toxicol 34(1):133-9 PMID: 22576112
- Monazzam MR** et al 2014 - *Sleep quality and general health status of employees exposed to extremely low frequency magnetic fields in a petrochemical complex* J Environ Health Sci Eng 12:78 PMID: 24904752
- Montoya RD** 2017 - *Magnetic fields, radicals and cellular activity* Electromagn Biol Med 36(1):102-113 PMID: 27399314
- Morabito C** et al 2010a - *Effects of acute and chronic low frequency electromagnetic field exposure on PC12 cells during neuronal differentiation* Cell Physiol Biochem 26(6):947-58 PMID: 21220925

- Morabito C** et al 2010b - *Modulation of redox status and calcium handling by extremely low frequency electromagnetic fields in C2C12 muscle cells: A real-time, single-cell approach* Free Radic Biol Med 48(4):579-89 PMID: 20005945
- Morano KA & DJ Thiele** 1999 - *Heat shock factor function and regulation in response to cellular stress, growth, and differentiation signals* Gene Expr 7(4-6):271-282 PMID: 10440228
- Morehouse CA & RD Owen** 2000 - *Exposure of Daudi cells to low-frequency magnetic fields does not elevate MYC steady-state mRNA levels* Radiat Res 153(5 Pt 2):663-9 PMID: 10790290
- Moro L** et al 2013 - *[Experimental evaluation of the occupational exposure to static magnetic fields on a 3 T MR scanner]* G Ital Med Lav Ergon 35(1):26-31 PMID: 23798231
- Mortazavi G & SM Mortazavi** 2015 - *Increased mercury release from dental amalgam restorations after exposure to electromagnetic fields as a potential hazard for hypersensitive people and pregnant women* Rev Environ Health 30(4):287-92 PMID: 26544100
- Mortazavi SM** et al 2014 - *High-field MRI and mercury release from dental amalgam fillings* Int J Occup Environ Med 5(2):101-5 PMID: 24748001
- Mortazavi SM** et al 2012 - *Occupational exposure of dentists to electromagnetic fields produced by magnetostrictive cavitrons alters the serum cortisol level* J Nat Sci Biol Med 3(1):60-4 PMID: 22690053
- Mortazavi SM** et al 2008 - *Mercury release from dental amalgam restorations after magnetic resonance imaging and following mobile phone use* Pak J Biol Sci 11(8):1142-6 PMID: 18819554
- Mostafa RM** et al 2002 - *Effects of exposure to extremely low-frequency magnetic field of 2G intensity on memory and corticosterone level in rats* Physiol Behav 76(4-5):589-95 PMID: 12126997
- Murugan NJ & MA Persinger** 2014 - *Comparisons of responses by planarian to micromolar to attomolar dosages of morphine or naloxone and/or weak pulsed magnetic fields: revealing receptor subtype affinities and non-specific effects* Int J Radiat Biol 90(10):833-40 PMID: 24720710
- Nagata C** et al 2008 - *light exposure at night, urinary 6-sulfatoxymelatonin, and serum estrogens and androgens in postmenopausal Japanese women* Cancer Epidemiol Biomarkers Prev 17(6):1418-23 PMID: 18559557
- Nakayama M** et al 2016 - *Evaluation of cell viability, DNA single-strand breaks, and nitric oxide production in LPS-stimulated macrophage RAW264 exposed to a 50-Hz magnetic field* Int J Radiat Biol 92(10):583-9 PMID: 27430265
- Napp A** et al 2014 - *Electromagnetic Interference with Implantable Cardioverter Defibrillators at Power Frequency: An in vivo Study* Circulation 129(4):441-50 PMID: 24163067
- Navas-Acién A** et al 2002 - *Interactive effect of chemical substances and occupational electromagnetic field exposure on the risk of gliomas and meningiomas in Swedish men* Cancer Epidemiol Biomarkers Prev 11(12):1678-83 PMID: 12496061
- Neutra R R** et al 2002 - *An evaluation of the possible risks from electric and magnetic fields (EMFs) from power lines, internal wiring, electrical occupations and appliances.* California EMF Program
- Nichols L & T Sorahan** 2005 - *Mortality of UK electricity generation and transmission workers, 1973-2002* Occup Med (Lond) 55(7):541-8 PMID: 16251370
- Nie K & A Henderson** 2003 - *MAP kinase activation in cells exposed to a 60 Hz electromagnetic field* J Cell Biochem 90(6):1197-206 PMID: 14635193
- Nikolova T** et al 2005 - *Electromagnetic fields affect transcript levels of apoptosis-related genes in embryonic stem cell-derived neural progenitor cells* FASEB J 19(12):1686-8 PMID:16116041
- Nishimura T** et al 2010 - *Lizards respond to an extremely low-frequency electromagnetic field* J Exp Biol 213(Pt 12):1985-90 PMID: 20511511
- Noonan CW** et al 2002 - *Relationship between amyloid beta protein and melatonin metabolite in a study of electric utility workers* J Occup Environ Med 44(8):769-75 PMID: 12185798
- Noonan CW** et al 2002 - *Occupational Exposure to magnetic fields in case-referent studies of neurodegenerative diseases* Scand J Work Environ Health. 28(1):42-8 PMID: 11871851

- Nospes S** et al 2013 – [Magnetic resonance imaging in patients with magnetic hearing implants: Overview and procedural management] *Radiologie* 53(11):1026-32 PMID: 24113904
- Obayashi K** et al 2014 – Association between light exposure at night and insomnia in the general elderly population: The HEIJO-KYO cohort *Chronobiol Int* 31(9):976-82 PMID: 25025617
- O'Carroll MJ & DL Henshaw** 2008 – Aggregating disparate epidemiological evidence: comparing two seminal EMF reviews *Risk Anal* 28(1):225-34 PMID: 18304119
- O'Carroll MJ & DL Henshaw** 2006 - Adverse effects associated with exposure to ELF electric and magnetic fields - assembly of scientific evidence and discussion of possible public health impact - work in progress www.electric-fields.bris.ac.uk/ocarroll.html
- Ohta H** et al 2006 - Constant light disrupts the developing mouse biological clock *Pediatr Res* 60(3):304-8 PMID: 16857759
- Okubo S** et al 2001 - Gene transfer of heat-shock protein 70 reduces infarct size in vivo after ischemia/reperfusion in the rabbit heart *Circulation* 103(6):877-81 PMID: 11171798
- Okudan N** et al 2010 - Effects of long-term 50 Hz magnetic field exposure on the micro nucleated polychromatic erythrocyte and blood lymphocyte frequency and argyrophilic nucleolar organizer regions in lymphocytes of mice *Neuro Endocrinol Lett* 31(2):208-14 PMID: 20424591
- Okun O** et al 2013 - A comparison of magnetic fields inside and outside high-voltage urban 110-kV power substations with the exposure recommendations of the Ukrainian regulatory authorities *Radiat Prot Dosimetry* 154(4):417-29 PMID: 23070485
- O'Leary ES** et al 2006 - Shift work, light at night, and breast cancer on Long Island, New York *Am J Epidemiol* 164(4):358-66 PMID: 16777931
- Osipova EA** et al 2016 – Influence of magnetic field on zebrafish activity and orientation in a plus maze *Behav Processes* 122:80-6 PMID: 26589739
- Pall ML** 2013 - Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects *J Cell Mol Med* 17(8):958-65 PMID: 23802593
- Panagopoulos DJ** et al 2013 – ELF alternating magnetic field decreases reproduction by DNA damage induction *Cell Biochem Biophys* 67(2):703-16 PMID: 23526156
- Papantoniou K** et al 2014 – Colorectal cancer risk and shift work in a population-based case-control study in Spain (MCC-Spain) *Occup Environ Med* 71 Suppl 1:A5-6 PMID: 25018382
- Park JS** et al 2015 – Exposure of surgeons to extremely low-frequency magnetic fields during laparoscopic and robotic surgeries *Medicine (Baltimore)* 94(6):e539 PMID: 25674758
- Park JE** et al 2013 - Electromagnetic fields induce neural differentiation of human bone marrow derived mesenchymal stem cells via ROS mediated EGFR activation *Neurochem Int* 62(4):418-24 PMID: 23411410
- Park RM** et al 2005 - Potential occupational risks for neurodegenerative diseases *Am J Ind Med* 48(1): 63-77 PMID: 15940722
- Patruno A** et al 2015 – Effects of extremely low frequency electromagnetic field (ELF-EMF) on catalase, cytochrome P450 and nitric oxide synthase in erythro-leukemic cells *Life Sci* 121:117-23 PMID: 25498893
- Pauley S** 2004 - Lighting for the human circadian clock; recent research indicates that lighting has become a public health issue. *Med Hypotheses* 63(4):588-96 PMID 15325001
- Pearce MS** et al 2007 - Paternal occupational exposure to electro-magnetic fields as a risk factor for cancer in children and young adults: A case-control study from the North of England *Pediatr Blood Cancer* 49(3):280-6 PMID: 16941646
- Peck SC & R Kavet** 2005 - Research strategies for magnetic fields and cancer *Risk Anal* 25(1):179-88 PMID: 15787767
- Peplonska B** et al 2007 - Occupation and breast cancer risk in Polish women: a population-based case-control study *Am J Ind Med* 50(2):97-111 PMID: 17238140
- Perkin EK** et al 2014 – Artificial light and nocturnal activity in gammarids *PeerJ* 2:e279 PMID: 24688857

- Persinger MA** et al 2005 - *Sudden death in epileptic rats exposed to nocturnal magnetic fields that simulate the shape and the intensity of sudden changes in geomagnetic activity: an experiment in response to Schnabel, Beblo and May* Int J Biometeorol 49(4):256-61 PMID: 15726448
- Phillips JL** et al 2009 - *Electromagnetic fields and DNA damage* Pathophysiology 16(2-3):79-88 PMID: 19264461
- Pica F** et al 2006 - *Effect of extremely low frequency electromagnetic fields (ELF-EMF) on Kaposi's sarcoma-associated herpes virus in BCBL-1 cells* Bioelectromagnetics 27(3):226-32 PMID: 16342195
- Pirozzoli MC** et al 2003 - *Effects of 50 Hz electromagnetic field exposure on apoptosis and differentiation in a neuroblastoma cell line* Bioelectromagnetics 24(7):510-6 PMID: 12955756
- Pokorný J** 2009 - *Biophysical cancer transformation pathway* Electromagn Biol Med 28(2):105-23 PMID: 19811394
- Pokorný J** et al 2008 - *Biophysical aspects of cancer-electromagnetic mechanism* Indian J Exp Biol 46(5):310-21 PMID: 18697613
- Polaniak R** et al 2010 - *Influence of an extremely low frequency magnetic field (ELF-EMF) on antioxidative vitamin E properties in AT478 murine squamous cell carcinoma culture in vitro* Int J Toxicol 29(2):221-30 PMID: 20335516
- Pollán M** et al 2001 - *Breast cancer, occupation, and exposure to electromagnetic fields among Swedish men* Am J Ind Med 39(3):276-85 PMID: 11241560
- Porsius JT** et al 2015 - *Somatic symptom reports in the general population: Application of a bi-factor model to the analysis of change* J Psychosom Res 79(5):378-83 PMID: 26526312
- Portelli LA** et al 2013 - *Inhomogeneous background magnetic field in biological incubators is a potential confounder for experimental variability and reproducibility* Bioelectromagnetics 34(5):337-48 PMID: 23457052
- Poullietier de Gannes F** et al 2008 - *Amyotrophic Lateral Sclerosis (ALS) and extremely-low frequency (ELF) magnetic fields: a study in the SOD-1 transgenic mouse model* Amyotroph Lateral Scler Sep 1:1-4 PMID: 19922126
- Pozzi D** et al 2007 - *Effect of 50 Hz magnetic field exposure on neuroblastoma morphology* Int J Integr Biol 1(1):12-17
- Prato FS** et al 2013 - *Magnetoreception in laboratory mice: sensitivity to extremely low-frequency fields exceeds 33 nT at 30 Hz* J R Soc Interface 10(81):20121046 PMID: 23365198
- Prato FS** et al 2005 - *Daily repeated magnetic field shielding induces analgesia in CD-1 mice* Bioelectromagnetics 26(2):109-17 PMID: 15672364
- Preece AW** et al 2000 - *Power frequency electromagnetic fields and health. Where's the evidence?* Phys Med Biol 45(9):R139-54 PMID: 11008945
- Pukkala E** et al 2006 - *Does incidence of breast cancer and prostate cancer decrease with increasing degree of visual impairment* Cancer Causes Control 17(4):573-6 PMID: 16596312
- Qi G** et al 2015 - *Effects of extremely low-frequency electromagnetic fields (ELF-EMF) exposure on B6C3F1 mice* Environ Health Prev Med 20(4):287-93 PMID: 25939981
- Qian J** et al 2013 - *Consequences of exposure to light at night on the pancreatic islet circadian clock and function in rats* Diabetes 62(10):3469-78 PMID: 23775768
- Qin QZ** et al 2012 - *The monitoring results of electromagnetic radiation of 110-kV high-voltage lines in one urban location in Chongqing P.R. China* Environ Monit Assess 184(3):1533-40 PMID: 21713502
- Qiu C** et al 2004 - *Occupational exposure to electromagnetic fields and risk of Alzheimer's disease* Epidemiology 15(6):687-94 PMID: 15475717
- Qiu LB** et al 2010 - *The role of protein kinase C in the opening of blood-brain barrier induced by electromagnetic pulse* Toxicology 273(1-3):29-34 PMID: 20435084
- Rabstein S** et al 2013 - *Night work and breast cancer estrogen receptor status - results from the German GENICA study* Scand J Work Environ Health 39(5):448-55 PMID: 23543199

- Rafnsson V** et al 2001 - *Risk of breast cancer in female flight attendants: a population-based study (Iceland)* Cancer Causes Control 12(2):95-101 PMID: 11246849
- Rageh MM** et al 2012 - *Assessment of genotoxic and cytotoxic hazards in brain and bone marrow cells of newborn rats exposed to extremely low-frequency magnetic field* J Biomed Biotechnol 2012:716023 PMID: 23091355
- Rajaei F** et al 2009 - *Effects of extremely low-frequency magnetic field on mouse epididymis and deferens ducts* Iran J Reprod Med 7(2):85-89
- Rajkovic V** et al 2010 - *Combined Exposure of peripubertal Male Rats to the Endocrine-Disrupting Compound Atrazine and Power-Frequency Electromagnetic Fields causes Degranulation of Cutaneous Mast Cells: A New Toxic Environmental Hazard?* Arch Environ Contam Toxicol 59(2):334-41 PMID: 20148244
- Rajkovic V** et al 2005 - *Histological characteristics of cutaneous and thyroid mast cell populations in male rats exposed to power-frequency electromagnetic fields* Int J Radiat Biol 81(7):491-9 PMID: 16263652
- Ramadan LA** et al 2002 - *Testicular toxicity effects of magnetic field exposure and prophylactic role of coenzyme Q10 and L-carnitine in mice* Pharmacol Res 46(4):363-70 PMID: 12361700
- Ravera S** et al 2011 - *Extremely low-frequency electromagnetic fields affect lipid-linked Carbonic anhydrase* Electromagn Biol Med 30(2):67-73 PMID: 21591890
- Reale M** et al 2014 - *Neuronal cellular responses to extremely low frequency electromagnetic field exposure: implications regarding oxidative stress and neurodegeneration* PLoS One 9(8):e104973 PMID: 25127118
- Reed VA** et al 2011 - *Shift work, light at night, and the risk of breast cancer* AAOHN J 59(1):37-45 PMID: 21175107
- Regoli F** et al 2005 - *Pro-oxidant effects of extremely low frequency electromagnetic fields in the land snail Helix aspersa* Free Radic Biol Med 39(12):1620-1628 PMID: 16298687
- Reiter RJ** et al 2007 - *Light at night, chronodisruption, melatonin suppression, and cancer risk: a review* Crit Rev Oncog 13(4):303-28 PMID: 18540832
- Repacholi MH & B Greenebaum** 1999 - *Interaction of static and extremely low frequency electric and magnetic fields with living systems: health effects and research needs* Bioelectromagnetics 20(3):133-60 PMID: 10194557
- Reyes-Guerrero G** et al 2010 - *Extremely low frequency electromagnetic fields differentially regulate estrogen receptor- α and - β expression in the rat olfactory bulb* Neurosci Lett 471(2):109-13 PMID: 20085801
- Riches SF** et al 2007 - *Measurements of occupational exposure to switched gradient and spatially-varying magnetic fields in areas adjacent to 1.5T clinical MRI systems* J Magn Reson Imaging 26(5):1346-52 PMID: 17969176
- Robertson JA** et al 2010 - *Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans* J R Soc Interface 7(44):467-73 PMID: 19656823
- Rodriguez M** et al 2004 - *Blood melatonin and prolactin concentrations in dairy cows exposed to 60 Hz electric and magnetic fields during 8 h photoperiods* Bioelectromagnetics 25(7):508-15 PMID: 15376244
- Rodvall Y** et al 1998 - *Occupational exposure to magnetic fields and brain tumours in central Sweden* Eur J Epidemiol 14(6):563-9 PMID: 9794123
- Rollwitz J** et al 2004 - *Fifty-hertz magnetic fields induce free radical formation in mouse bone marrow-derived promonocytes and macrophages* Biochim Biophys Acta 1764(3):231-8 PMID: 15541292
- Rööslä M** et al 2008 - *Cardiovascular mortality and exposure to extremely low frequency magnetic fields: a cohort study of Swiss railway workers* Environ Health 7:35 PMID: 18593477
- Rööslä M** et al 2007 - *Leukaemia, brain tumours and exposure to extremely low frequency magnetic fields: cohort study of Swiss railway employees* Occup Environ Med 64(8):553-9 PMID: 17525094
- Rööslä M** et al 2007 - *Mortality from neurodegenerative disease and exposure to extremely low frequency magnetic fields: 31 years of observations on Swiss railway employees* Neuroepidemiology 28(4):197-206 PMID: 17851258
- Rosenspire AJ** et al 2000 - *Interferon- γ and sinusoidal electric fields signal by modulating NAD(P)H oscillations in polarized neutrophils* Biophys J 2000 Dec;79(6):3001-8 PMID: 11106607
- Roshangar L** et al 2014 - *Effect of low-frequency electromagnetic field exposure on oocyte differentiation and follicular development* Adv Biomed Res 3:76 PMID: 24627884

- Ross ML** et al 2008 – *Physiologically patterned weak magnetic fields applied over left frontal lobe increase acceptance of false statements as true* *Electromagn Biol Med* 27(4):365-71 PMID: 19037785
- Rossi C** et al 2011 - *New perspectives in cell communication: Bioelectromagnetic interactions* *Semin Cancer Biol* 21(3):207-14 PMID: 21569849
- Rostami A** et al 2016 – *Effects of 3 Hz and 60 Hz extremely low frequency electromagnetic fields on anxiety-like behaviors, memory retention of passive avoidance and electrophysiological properties of male rats* *J Lasers Med Sci* 7(2):120-5 PMID: 27330708
- Roushangar L & JS Rad** 2007 - *Ultrastructural alterations and occurrence of apoptosis in developing follicles exposed to low frequency electromagnetic field in rat ovary* *Pak J Biol Sci* 10(24):4413-9 PMID: 19093504
- Roychoudhury S** et al 2009 - *Influence of a 50 Hz extra low frequency electromagnetic field on spermatozoa motility and fertilization rates in rabbits* *J Environ Sci Health A Tox Hazard Subst Environ Eng* 44(10):1041-7 PMID: 19827497
- Ruiz-Gómez MJ & M Martínez-Morillo** 2009 - *Electromagnetic fields and the induction of DNA strand breaks* *Electromagn Biol Med* 28(2):201-14 PMID: 19811402
- Russian authors** 2012 - *[Mechanism of the biological impact of weak electromagnetic fields and in vitro effects of degassing of blood]* *Biofizika* 57(6):1034-40 PMID: 23272585
- SAGE** 2007 - *SAGE first interim assessment: Power Lines and Property, Wiring in Homes, and Electrical Equipment in Homes* See [Report](#)
- Sahar S & P Sassone-Corsi** 2009 – *Metabolism and cancer: the circadian clock connection* *Nat Rev Cancer* 9(12):886-96 PMID: 19935677
- Sait ML** 1999 – *A study of heart rate and heart rate variability in human subjects exposed to occupational levels of 50 Hz circularly polarised magnetic fields* *Med Eng Phys* 21(5):361-9 PMID: 10576426
- Sakhnini L** et al 2012 – *Subacute exposure to 50-Hz electromagnetic fields affect prenatal and neonatal mice's motor coordination* *J Appl Phys* 111(7):07B314
- Salunke BP** et al 2014 – *Experimental evidence for involvement of nitric oxide in low frequency magnetic field induced obsessive compulsive disorder-like behaviour* *Pharmacol Biochem Behav* 122:273-8 PMID: 24780504
- Salunke BP** et al 2014 – *Involvement of NDMA receptor in low-frequency magnetic field-induced anxiety in mice* *Electromagn Biol Med* 33(4):312-26 PMID: 24131395
- Samiee F & K Samiee** 2016 – *Effect of extremely lowfrequency electromagnetic field on brain histopathology of Caspian Sea *Cyprinus carpio** *Electromagn Biol Med Jun* 30:1-8 PMID: 27362452
- Sancar A** et al 2010 – *Circadian clock control of the cellular response to DNA damage* *FEBS Lett* 584(12):2618-25 PMID: 20227409
- Santini MT** et al 2009 - *Cellular effects of extremely low frequency (ELF) electromagnetic fields* *Int J Radiat Biol* 85(4):294-313 PMID: 19399675
- Santini MT** et al 2005 – *A 700 MHz 1H-NMR study reveals apoptosis-like behaviour in human K562 erythroleukemic cells exposed to a 50 Hz sinusoidal magnetic field* *Int J Radiat Biol* 81(2):97-113 PMID: 16019920
- Santini MT** et al 2005b - *Extremely low frequency (ELF) magnetic fields and apoptosis: a review* *Int J Radiat Biol* 81(1): 1-11 PMID: 15962758
- Sarimov R** et al 2011 - *Fifty hertz magnetic fields individually affect chromatin conformation in human lymphocytes: dependence on amplitude, temperature, and initial chromatin state* *Bioelectromagnetics* 32(7):570-9 PMID: 21500233
- Sastre A** et al 2000 - *Brain frequency magnetic fields after cardiac autonomic control mechanisms* *Clin Neurophysiol* 111(11):1942-8 PMID: 11068227
- Sastre A & R Kavet** 2002 - *Candidate sites of action for dosimetry associated with exposure to extremely-low-frequency magnetic fields, electric fields and contact currents* 83(3):387-94 PMID: 12199552
- Savitz DA** et al 2000 - *Case-cohort analysis of brain cancer and leukemia in electric utility workers using a refined magnetic field job-exposure matrix* *Am J Ind Med* 38(4): 417-25 PMID: 10982982

- Savitz DA** et al 1999 - *Magnetic field exposure and cardiovascular disease mortality among electric utility workers* Am J Epidemiol 149(2):135-42 PMID: 9921958
- Scassellati Sforzolini G** et al 2004 - *Evaluation of genotoxic and/or co-genotoxic effects in cells exposed in vitro to extremely-low frequency electromagnetic fields* Ann Ig 16(1-2):321-40 PMID: 15554538
- Schaap K** et al 2016 - *Exposure to MRI-related magnetic fields and vertigo in MRI workers* Occup Environ Med 73(3):161-6 PMID: 26561507
- Schaap K** et al 2014 - *Occupational exposure of healthcare and research staff to static magnetic stray fields from 1.5-7 Tesla MRI scanners is associated with reporting of transient symptoms* Occup Environ Med 71(6):423-9 PMID: 24714654
- Schaap K** et al 2013 - *Inventory of MRI applications and workers exposed to MRI-related electromagnetic fields in the Netherlands* Eur J Radiol 82(12):2279-85 PMID: 24055183
- Schernhammer ES** et al 2006 - *Night work and risk of breast cancer* Epidemiology 17(1):108-111 PMID: 16357603
- Schernhammer ES** et al 2003 - *Night-shift work and risk of colorectal cancer in the nurses' health study* J Natl Cancer Inst 95(11):825-8 PMID: 12783938
- Schernhammer ES** et al 2001 - *Rotating Night Shifts and Risk of Breast Cancer in Women Participating in the Nurses' Health Study* JNCI 93(20):1563-1568 PMID: 11604480
- Schnabel R** et al 2000 - *Is geomagnetic activity a risk factor for sudden explained death in epilepsies?* Neurology 54(4):903-8 PMID: 10690984
- Schoech SJ** et al 2013 - *The effects of low levels of light at night upon the endocrine physiology of western scrub-jays (Aphelocoma californica)* J Exp Zool A Ecol Genet Physiol 319(9):527-38 PMID: 23970442
- Schultheiss-Grassi** et al 1999 - *TEM investigations of biogenic magnetite extracted from the human hippocampus* Biochim Biophys Acta 1426(1):212-6 PMID: 9878742
- Schuz J** 2011 - *Exposure to extremely low-frequency magnetic fields and the risk of childhood cancer: update of the epidemiological evidence* Prog Biophys Mol Biol 107(3):339-42 PMID: 21946043
- Schuz J & A Ahlbom** 2008 - *Exposure to electromagnetic fields and the risk of childhood leukaemia: a review* Radiat Prot Dosimetry 132(2):202-11 PMID: 18927133
- Schwarze S** et al 2016 - *Weak broadband electromagnetic fields are more disruptive to magnetic compass orientation in a night-migratory songbird (Erithacus rubecula) than strong narrow-band fields* Front Behav Neurosci Mar 22;10:55 PMID: 27047356
- Schwimmer H** et al 2013 - *Light at night and melatonin have opposite effects on breast cancer tumors in mice assessed by growth rates and global DNA methylation* Chronobiol Int 31(1):144-50 PMID: 24131150
- Sedghi H** et al 2006 - *Biological effects of power frequency magnetic fields on serum biochemical parameters in guinea pigs* Pak J Biol Sci 9(6):1083-1087
- Segatore B** et al 2012 - *Evaluations of the Effects of Extremely Low-Frequency Electromagnetic Fields on Growth and Antibiotic Susceptibility of Escherichia coli and Pseudomonas aeruginosa* Int J Microbiol 2012:587293 PMID: 22577384
- Seidler A** et al 2007 - *Occupational exposure to low frequency magnetic fields and dementia: a case-control study* Occup Environ Med 64(2):108-14 PMID: 17043077
- Seifirad S** et al 2014 - *Effects of extremely low frequency electromagnetic fields on paraoxonase serum activity and lipid peroxidation metabolites in rat* J Diabetes Metab Disord 13(1):85 PMID: 25152870
- Selaković V** et al 2013 - *Age-dependent effects of ELF-MF on oxidative stress in the brain of Mongolian gerbils* Cell Biochem Biophys 66(3):513-21 PMID: 23292355
- Selmaoui B** et al 2011 - *Acute exposure to 50-Hz magnetic fields increases Interleukin-6 in young healthy men* J Clin Immunol 31(6):1105-11 PMID: 21710276
- Sert C** et al 2011 - *Intracellular Ca(2+) levels in rat ventricle cells exposed to extremely low frequency magnetic field* Electromagn Biol Med 30(1):14-20 PMID: 21554099

- Sert C** et al 2002 – *ELF magnetic field effects on fatty-acid composition of phospholipid fraction and reproduction of rats' testes* Electromagn Biol Med 21(1):19-29
- Shafiei SA** et al 2014 – *Investigation of EEG changes during exposure to extremely low-frequency magnetic field to conduct brain signals* Neurol Sci 35(11):1715-21 PMID: 24864004
- Shafiei SA** et al 2012 – *Study of the frequency parameters of EEG influenced by zone-dependent local ELF-MF exposure on the human head* Electromagn Biol Med 31(2):112-21 PMID: 22268824
- Shah A & MP Coleman** 2007 – *Increasing incidence of childhood leukaemia: a controversy re-examined* Br J Cancer 97(7):1009-12 PMID: 17712312
- Shah NB & SL Platt** 2008 – *ALARA: is there a cause for alarm? Reducing radiation risks from computed tomography scanning in children* Curr Opin Pediatr 20(3):243-7 PMID: 18475090
- Shamsi Mahmoudabadi F** et al 2013 – *Exposure to Extremely Low Frequency Electromagnetic Fields during Pregnancy and the Risk of Spontaneous Abortion: A Case-Control Study* J Res Health Sci 13(2):131-4 PMID: 24077469
- Sharifian A** et al 2009 – *Effect of extremely low frequency magnetic field on antioxidant activity in plasma and red blood cells in spot welders* Int Arch Occup Environ Health 82(2):259-66 PMID: 18504600
- Shin EJ** et al 2011 – *Exposure to extremely low frequency magnetic fields induces fos-related antigen-immunoreactivity via activation of dopaminergic d1 receptor* Exp Neurobiol 20(3):130-6 PMID: 22110371
- Shin EJ** et al 2007 – *Exposure to extremely low frequency magnetic fields enhances locomotor activity via activation of dopamine D1-like receptors in mice* J Pharmacol Sci 105(4):367-71 PMID: 18094524
- Sienkiewicz ZJ** et al 1998 – *Deficits in spatial learning after exposure of mice to a 50 Hz magnetic field* Bioelectromagnetics 19(2):79-84 PMID: 9492163
- Sihem C** et al 2006 – *Effects of sub-acute exposure to magnetic field on blood haematological and biochemical parameters in female rats* Turk J Haematol 23(4):182-7 PMID: 27265659
- Simi S** et al 2008 – *Is the genotoxic effect of magnetic resonance negligible? Low persistence of micronucleus frequency in lymphocytes of individuals after cardiac scan* Mutat Res 645(1-2):39-43 PMID: 18804118
- Simkó M** 2007 – *Cell type specific redox status is responsible for diverse electromagnetic field effects* Curr Med Chem 14(10):1141-52 PMID: 17456027
- Simkó M** 2004 – *Induction of cell activation processes by low frequency electromagnetic fields* ScientificWorldJournal 4(S2):4-22 PMID: 15517098
- Simkó M & MO Mattson** 2004 – *Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: possible immune cell activation* J Cell Biochem 93(1): 83-92 PMID: 15352165
- Simkó M** et al 1998 – *Effects of 50 Hz EMF exposure on micronucleus formation and apoptosis in transformed and nontransformed human cell lines* Bioelectromagnetics 19(2):85-91 PMID: 9492164
- Singh N & H Lai** 1998 – *60 Hz magnetic field exposure induces DNA crosslinks in rat brain cells* Mutat Res 400(1-2):313-20 PMID: 9685689
- Sington JD & BJ Cottrell** 2002 – *Analysis of the sensitivity of death certificates in 440 hospital deaths: a comparison with necropsy findings* J Clin Pathol 55(7):499-502 PMID: 12101193
- Sirav B** et al 2013 – *Extremely low-frequency magnetic fields of transformers and possible biological and health effects* Electromagn Biol Med 33(4):302-6 PMID: 24131394
- Skarja M** et al 2009 – *Electric field absorption and emission as an indicator of active electromagnetic nature of organisms – preliminary report* Electromagn Biol Med 28(1):85-95 PMID: 19337899
- Soffritti M** et al 2016b – *Synergism between sinusoidal-50 Hz magnetic field and formaldehyde in triggering carcinogenic effects in male Sprague-Dawley rats* Am J Ind Med 59(7):509-21 PMID: 27219869
- Soffritti M** et al 2016 – *Life-span exposure to sinusoidal-50 Hz magnetic field and acute low-dose γ radiation induce carcinogenic effects in Sprague-Dawley rats* Int J Radiat Biol 92(4):202-14 PMID: 26894944
- Sohrabi MR** et al 2010 – *Living near overhead high voltage transmission power lines as a risk factor for childhood acute lymphoblastic leukemia: a case-control study* Asian Pac J Cancer Prev 11(2):423-7 PMID: 20843128

- Solin LJ** 2010 – *Counterview: Pre-operative breast MRI (Magnetic resonance imaging) is not recommended for all patients with newly diagnosed breast cancer* *Breast* 19(1):7-9 PMID: 20159457
- Somosy Z** et al 2004 – *Alteration of tight and adherens junctions on 50-Hz magnetic field exposure in Madin Darby canine kidney (MDCK) cells* *ScientificWorldJournal* 4Suppl2:75-82 PMID: 15517105
- Sorahan T** 2014a - *Magnetic fields and leukaemia risks in UK electricity supply workers* *Occup Med (Lond)* 64(3):150-6 PMID: 24562301
- Sorahan T** 2014b - *Magnetic fields and brain tumour risks in UK electricity supply workers* *Occup Med (Lond)* 64(3):157-65 PMID: 24562302
- Sorahan T** 2012 – *Cancer incidence in UK electricity generation and transmission workers, 1973-2008* *Occup Med (Lond)* 62(7):496-505 PMID: 22949586
- Sorahan T & L Kheifets** 2007 - *Mortality from Alzheimer's, motor neurone and Parkinson's disease in relation to magnetic field exposure: findings from the study of UK electricity generation and transmission workers, 1973-2004* *Occup Environ Med* 64(12): 820–826 PMID: 17626136
- Sorahan T** et al 2001 - *Occupational exposure to magnetic fields relative to mortality from brain tumours: updated and revised findings from a study of United Kingdom electricity generation and transmission workers, 1973-97* *Occup Environ Med* 58(10):626-30 PMID: 11555682
- Stam R** 2014 - *The Revised Electromagnetic Fields Directive and Worker Exposure in Environments With High Magnetic Flux Densities* *Ann Occup Hyg* 58(5):529-41 PMID: 24557933
- Stenlund C & B Floderus** 1997 - *Occupational exposure to magnetic fields in relation to male breast cancer and testicular cancer: a Swedish case-control study* *Cancer Causes Control* 8(2):184-91 PMID: 9134242
- Stevens P** 2007 – *Affective response to 5 micro T ELF magnetic field-induced physiological changes* *Bioelectromagnetics* 28(2):109-14 PMID: 17004245
- Stevens RG** et al 2014 – *Breast cancer and circadian disruption from electric lighting in the modern world* *CA Cancer J Clin* 64(3):207-18 PMID: 24604162
- Stevens RG** et al 2013 – *Adverse health effects of nighttime lighting: comments on American Medical Association policy statement* *Am J Prev Med* 45(3):343-6 PMID: 23953362
- Stevens RG** 2012 - *Does electric light stimulate cancer development in children?* *Cancer Epidemiol Biomarkers Prev* 21(5):701-4 PMID: 22354903
- Stevens RG** 2009 - *Working against our endogenous circadian clock: Breast cancer and electric lighting in the modern world* *Mutat Res* 680(1-2):106-8 PMID: 20336819
- Stevens RG** 2009 – *Electric light causes cancer? Surely you're joking, Mr. Stevens* *Mutat Res* 682(1):1-6 PMID: 19401186
- Stevens RG** 2009 - *Light-at-night, circadian disruption and breast cancer: assessment of existing evidence* *Int J Epidemiol* 38(4):963-70 PMID: 19380369
- Stevens RG** et al 2007 - *Meeting report: the role of environmental lighting and circadian disruption in cancer and other diseases* *Environ Health Perspect* 115(9):1357-62 PMID: 17805428
- Stevens RG** 2005 - *Circadian disruption and breast cancer: from melatonin to clock genes* *Epidemiology* 16(2):254-8 PMID: 15703542
- Stevens RG & MS Rea** 2001 - *Light in the built environment: potential role of circadian disruption in endocrine disruption and breast cancer* *Cancer Causes Control* 12(3):279-87 PMID: 11405333
- St-Pierre LS & MA Persinger** 2008 – *Behavioral changes in adult rats after prenatal exposure to complex, weak magnetic fields* *Electromagn Biol Med* 27(4):355-64 PMID: 19037784
- St-Pierre LS** et al 2008 – *Altered blood chemistry and hippocampal histomorphology in adult rats following prenatal exposure to physiologically-patterned, weak (50-500 nanoTesla range) magnetic fields* *Int J Radiat Biol* 84(4):325-35 PMID: 18386197
- Strasák L** et al 2009 - *Effects of ELF-EMF on Brain Proteins in Mice* *Electromagn Biol Med* 28(1):96-104 PMID: 19337900

- Stratta P** et al 2008 – *Gadolinium-Enhanced magnetic Resonance Imaging, Renal Failure and Nephrogenic Systemic Fibrosis/Nephrogenic Fibrosing Dermopathy* *Curr Med Chem* 15(12):1229-1235 PMID: 18473815
- Straume A** et al 2008 - *ELF-magnetic flux densities measured in a city environment in summer and winter* *Bioelectromagnetics* 29(1):20-8 PMID: 17786926
- Su XJ** et al 2014 – *Correlation between Exposure to Magnetic Fields and Embryonic Development in the First Trimester* *PLoS One* 9(6):e101050 PMID: 24977708
- Sulpizio M** et al 2011 - *Molecular basis underlying the biological effects elicited by extremely low-frequency magnetic field (ELF-MF) on neuroblastoma cells* *J Cell Biochem* 112(12):3797-806 PMID: 21826706
- Sun JW** et al 2013 – *Electromagnetic field exposure and male breast cancer risk: A meta-analysis of 18 studies* *Asian Pac J Cancer Prev* 14(1):523-528 PMID: 23534787
- Sun H** et al 2010 - *Effects of prenatal exposure to a 50-Hz magnetic field on one-trial passive avoidance learning in 1-day-old chicks* *Bioelectromagnetics* 31(2):150-5 PMID: 19739132
- Sun W** et al 2010 – *Effects of 50-Hz magnetic field exposure on hormone secretion and apoptosis-related gene expression in human first trimester villous trophoblasts in vitro* *Bioelectromagnetics* 31(7):566-72 PMID: 20607743
- Sun W** et al 2010 - *Superimposition of an incoherent magnetic field eliminated the inhibition of hormone secretion induced by a 50-Hz magnetic field in human villous trophoblasts in vitro* *Cell Physiol Biochem* 26(4-5):793-8 PMID: 21063117
- Sun W** 2008 – *An incoherent magnetic field inhibited EGF receptor clustering and phosphorylation induced by a 50-Hz magnetic field in cultured FL cells* *Cell Physiol Biochem* 22(5-6):507-14 PMID: 19088432
- Svedenstål BM & KJ Johanson** 1998 – *Effects of exposure to 50 Hz or 20 kHz [corrected] magnetic fields on weights of body and some organs of CBA mice* *In Vivo* 12(3):293-8 PMID: 9706473
- Swanson J & L Kheifets** 2006 - *Biophysical mechanisms: a component in the weight of evidence for health effects of power-frequency electric and magnetic fields* *Radiat Res* 165(4):470-8 PMID: 16579660
- Szemerszky R** et al 2010 - *Stress-related endocrinological and psychopathological effects of short- and long-term 50Hz electromagnetic field exposure in rats* *Brain Res Bull* 81(1):92-9 PMID: 19883742
- Szuba M** 2009 - *[Consequences of changed regulations on the protection of the environment against the influence of the 50 Hz magnetic field]* *Med Pr* 60(1):51-7 PMID: 19603697
- Tablado L** et al 1998 - *Effects of exposure to static magnetic fields on the morphology and morphometry of mouse epididymal sperm* *Bioelectromagnetics* 19(6):377-83 PMID: 9738528
- Takahashi JS** et al 2008 – *The genetics of mammalian circadian order and disorder: implications for physiology and disease* *Nat Rev Genet* 9(10):764-75 PMID: 18802415
- Tan E & EM Scott** 2014 – *Circadian rhythms, insulin action, and glucose homeostasis* *Curr Opin Clin Nutr Metab Care* 17(4):343-8 PMID: 24810916
- Tayefi H** et al 2010 – *The effects of prenatal and neonatal exposure to electromagnetic fields on infant rat myocardium* *Arch Med Sci* 6(6):837-42 PMID: 22427754
- Teimori F** et al 2016 – *The effects of 30 mT electromagnetic fields on hippocampus cells of rats* *Surg Neurol Int Jun* 29;7:70 PMID: 27453795
- Tenorio BM** et al 2014 – *Extremely low-frequency magnetic fields can impair spermatogenesis recovery after reversible testicular damage induced by heat* *Electromagn Biol Med* 33(2):139-46 PMID: 23781997
- Tenorio BM** et al 2012 - *Evaluation of testicular degeneration induced by low-frequency electromagnetic fields* *J Appl Toxicol* 32(3):210-8 PMID: 21452164
- Tenorio BM** et al 2011 - *Testicular development evaluation in rats exposed to 60Hz and 1mT electromagnetic field* *J Appl Toxicol* 31(3):223-30 PMID: 20936650
- Tesneli NB & AY Tesneli** 2014 – *Occupational exposure to electromagnetic fields of uninterruptible power supply industry workers* *Radiat Prot Dosimetry* 162(3):289-98 PMID: 24366245

- Theriault G and CY Li** 1997 - *Risks of leukaemia among residents close to high voltage transmission electric lines* *Occup Environ Med* 54(9): 625-8 PMID: 9423573
- Thun-Battersby S et al** 1999 - *Exposure of Sprague-Dawley rats to a 50-Hertz, 100-microTesla magnetic field for 27 weeks facilitates mammary tumorigenesis in the 7,12-dimethylbenz[a]-anthracene model of breast cancer* *Cancer Res* 59(15):3627-33 PMID: 10446973
- Tiikkaja M et al** 2013 - *Testing of common electromagnetic environments for risk of interference with cardiac pacemaker function* *Saf Health Work* 4(3):156-159 PMID: 24106646
- Tiikkaja M et al** 2012 - *Experimental study on malfunction of pacemakers due to exposure to different external magnetic fields* *J Interv Card Electrophysiol* 34(1):19-27 PMID: 22231158
- Timmel CR & KB Henbest** 2004 - *A study of spin chemistry in weak magnetic fields* *Philos Transact A Math Phys Eng Sci* 362(1825):2573-89 PMID: 15539359
- Tiwari R et al** 2015 - *Epinephrine, DNA integrity and oxidative stress in workers exposed to extremely low-frequency electromagnetic fields (ELF-EMFs) at 132 kV substations* *Electromagn Biol Med* 34(1):56-62 PMID: 24460415
- Tiwari R et al** 2013 - *The potential bioeffects of extremely low frequency electromagnetic fields on melatonin levels and related oxidative stress in electric utility workers exposed to 132 kV substation* *J Electromagn Anal* 5(11):393-403
- Tokalov SV & HO Gutzeit** 2004 - *Weak electromagnetic fields (50Hz) elicit a stress response in human cells* *Environ Res* 94(2):145-151 PMID: 14757377
- Tomitsch J et al** 2010 - *Survey of electromagnetic field exposure in bedrooms of residences in lower Austria* *Bioelectromagnetics* 31(3):200-8 PMID: 19780092
- Tonni G et al** 2008 - *"Multicystic dysplastic kidney (Potter type II syndrome) and agenesis of corpus callosum (ACC) in two consecutive pregnancies: a possible teratogenic effect of electromagnetic exposure in utero"* *Fetal Pediatr Pathol* 27(6):264-273 PMID: 19065324
- Torres-Duran PV et al** 2007 - *Effects of whole body exposure to extremely low frequency electromagnetic fields (ELF-EMF) on serum and liver lipid levels, in the rat* *Lipids Health Dis* Nov 16;6:31 PMID: 18021407
- Touitou Y et al** 2012 - *Long-term (up to 20years) effects of 50-Hz magnetic field exposure on immune system and hematological parameters in healthy men* *Clin Biochem* 46(1-2):59-63 PMID: 22995478
- Touitou Y et al** 2012 - *Long-term (up to 20 years) effects of 50-Hz magnetic field exposure on blood chemistry parameters in healthy men* *Clin Biochem* 45(6):425-8 PMID: 22261092
- Travis RC et al** 2016 - *Night shift work and breast cancer incidence: Three prospective studies and meta-analysis of published studies* *J Natl Cancer Inst* 108(12) PMID: 27758828
- Trillo MA et al** 2013 - *Retinoic acid inhibits the cytoproliferative response to weak 50-Hz magnetic fields in neuroblastoma cells* *Oncol Rep* 29(3):885-94 PMID: 23292364
- Trillo MA et al** 2012 - *Influence of a 50 Hz magnetic field and of all-trans-retinol on the proliferation of human cancer cell lines* *Int J Oncol* 40(5):1405-13 PMID: 22293994
- Tsc LA et al** 2014 - *Long-term nightshift work and breast cancer risk in Hong Kong women: results update* *Occup Environ Med* 71 Suppl 1:A7-8 PMID: 25018452
- Tsc SL et al** 2014 - *Preliminary results of shift work and cardiovascular risk factors: analysing baseline data of a prospective night shift worker cohort in Shenzhen, China* *Occup Environ Med* 71 Suppl 1:A81-2 PMID: 25018493
- Tunik S et al** 2013 - *Effects of pulsed and sinusoidal electromagnetic fields on MMP-2, MMP-9, collagen type IV and E-cadherin expression levels in the rat kidney: an immunohistochemical study* *Anal Quant Cytol Histol* 35(5):253-60 PMID: 24282905
- Türközer Z et al** 2008 - *Effects of exposure to 50 Hz electric field at different strengths on oxidative stress and antioxidant enzyme activities in the brain tissue of guinea pigs* *Int J Radiat Biol* 84(7):581-90 PMID: 18661374
- Turner MC et al** 2014 - *Occupational exposure to extremely low frequency magnetic fields and brain tumour risks in the INTEROCC study* *Cancer Epidemiol Biomarkers Prev* 23(9):1863-72 PMID: 24935666

- Tynes T et al** 2003 - *Residential and occupational exposure to 50 Hz magnetic fields and malignant melanoma: a population based study* *Occup Environ Med* 60(5): 343-7 PMID: 12709519
- Ulku R et al** 2011 - *Extremely low-frequency magnetic field decreased calcium, zinc and magnesium levels in costa of rat* *Biol Trace Elem Res* 143(1):359-67 PMID: 20872091
- Valič B et al** 2009 - *Current density in a model of a human body with a conductive implant exposed to ELF electric and magnetic fields* *Bioelectromagnetics* 30(7):591-9 PMID: 19418511
- Vallejo D et al** 2001 - *A haematological study in mice for evaluation of leukemogenesis by extremely low frequency magnetic fields* *Electro Magnetobiol* 20(3):281-298
- Vanderstraeten J & P Gillis** 2010 - *Theoretical evaluation of magnetoreception of power-frequency fields* *Bioelectromagnetics* 31(5):371-9 PMID: 20127890
- Van Nierop LE et al** 2012 - *Simultaneous exposure to MRI-related static and low-frequency movement-induced time-varying magnetic fields affects neurocognitive performance: a double-blind randomized crossover study* *Magn Reson Med* 74(3):840-9 PMID: 25224577
- Van Nierop LE et al** 2012 - *Effects of magnetic stray fields from a 7 Tesla MRI scanner on neurocognition: a double-blind randomised crossover study* *Occup Environ Med* 69(10):759-66 PMID: 22930737
- Van Wijngaarden E** 2003 - *An exploratory investigation of suicide and occupational exposure* *J Occup Environ Med* 45(1): 96-101 PMID: 12553184
- Van Wijngaarden E et al** 2001 - *Mortality patterns by occupation in a cohort of electric utility workers* *Am J Ind Med* 40(6):667-73 PMID: 11757043
- Van Wijngaarden E et al** 2001 - *Population-based case-control study of occupational exposure to electromagnetic fields and breast cancer* *Ann Epidemiol* 11(5): 297-303 PMID: 11399443
- Van Wijngaarden E et al** 2000 - *Exposure to electromagnetic fields and suicide among electric utility workers: a nested case-control study* *Occup Environ Med* 57: 258-63 PMID: 10810112
- Varro P et al** 2009 - *Changes in synaptic efficacy and seizure susceptibility in rat brain slices following extremely low-frequency electromagnetic field exposure* *Bioelectromagnetics* 30(8):631-40 PMID: 19572331
- Vergara X et al** 2015 - *Case-control study of occupational exposure to electric shocks and magnetic fields and mortality from amyotrophic lateral sclerosis in the US, 1991-1999* *J Expo Sci Environ Epidemiol* 25(1):65-71 PMID: 24917188
- Vergara X et al** 2013 - *Occupational exposure to extremely low-frequency magnetic fields and neurodegenerative disease: a meta-analysis* *J Occup Environ Med* 55(2):135-146 PMID: 23389409
- Verkasalo PK et al** 1999 - *Inverse association between breast cancer incidence and degree of visual impairment in Finland* *Br J Cancer* 80(9):1459-60 PMID: 10424751
- Verkasalo PK et al** 1997 - *Magnetic fields of transmission lines and depression* *Am J Epidemiol* 146(12): 1037-45 PMID: 9420528
- Vesselinova L** 2013 - *Biosomatic effects of the electromagnetic fields on view of the physiotherapy personnel health* *Electromagn Biol Med* 32(2):192-9 PMID: 23675622
- Vijayalaxmi & TJ Prihoda** 2009 - *Genetic damage in mammalian somatic cells exposed to extremely low frequency electro-magnetic fields: a meta-analysis of data from 87 publications (1990-2007)* *Int J Radiat Biol* 85(3):196-213 PMID: 19296340
- Villeneuve PJ et al** 2002 - *Brain cancer and occupational exposure to magnetic fields among men: results from a Canadian population-based case-control study* *Int J Epidemiol* 31(1):210-7 PMID: 11914323
- Villeneuve PJ et al** 2000a - *Leukemia in electric utility workers; The evaluation of alternative indices of exposure to 60-Hz electric and magnetic fields* *Am J Ind Med* 37(6):607-617 PMID: 10797504
- Villeneuve PJ et al** 2000b - *Non-Hodgkin's lymphoma among electric utility workers in Ontario: The evaluation of alternate indices of exposure to 60-Hz electric and magnetic fields* *Occup Environ Med* 57(4):249-257 PMID: 10810111
- Vinogradova IA et al** 2010 - *Circadian disruption induced by light-at-night accelerates aging and promotes tumorigenesis in young but not in old rats* *Aging (Albany NY)* 2(2):82-92 PMID: 20354269

- Vinogradova IA** et al 2009 - *Circadian disruption induced by light-at-night accelerates aging and promotes tumorigenesis in rats* Aging (Albany NY) 1(10):855-65 PMID: 20157558
- Viswanathan AN & ES Schernhammer** 2009 - *Circulating melatonin and the risk of breast and endometrial cancer in women* Cancer Lett 281(1):1-7 PMID: 19070424
- Viswanathan AN** et al 2006 - *Night shift work and the risk of endometrial cancer* Cancer Res 67(21):10618-22 PMID: 17975006
- Vollmer C** et al 2012 - *Outdoor Light at Night (LAN) Is Correlated With Eveningness in Adolescents* Chronobiol Int 29(4):502-8 PMID: 22214237
- Wahab MA** et al 2007 - *Elevated sister chromatid exchange frequencies in dividing human peripheral blood lymphocytes exposed to 50 Hz magnetic fields* Bioelectromagnetics 28(4):281-288 PMID:17080456
- Wang Q** et al 2013 - *Residential exposure to 50 Hz magnetic fields and the association with miscarriage risk: a 2-year prospective cohort study* PLoS One 8(12):e82113 PMID: 24312633
- Wang X** et al 2011 - *[Occupational and residential exposure to electric and magnetic field and its relationship on acute myeloid leukemia in adults - A Meta-analysis]* Zhonghua Liu Xing Bing Xue Za Zhi 32(8):821-6 PMID: 22093476
- Wang Z** et al 2016 - *Effects of electromagnetic fields on serum lipids in workers of a power plant* Environ Sci Pollut Res Int 23(3):2495-504 PMID: 26423285
- Wang Z** et al 2015 - *Effects of electromagnetic fields exposure on plasma hormonal and inflammatory pathway biomarkers in male workers of a power plant* Int Arch Occup Environ Health 89(1):33-42 PMID: 25808749
- Wartenberg D** et al 2010 - *Environmental justice: a contrary finding for the case of high-voltage electric power transmission lines* J Expo Sci Environ Epidemiol 20(3):237-44 PMID: 19352413
- Wei J** et al 2015 - *Effects of extremely low frequency electromagnetic fields on intracellular calcium transients in cardiomyocytes* Electromagn Biol Med 34(1):77-84 PMID: 24499289
- Wilén J** et al 2010 - *Modification of pulse sequences reduces occupational exposure from MRI switched gradient fields: Preliminary results* Bioelectromagnetics 31(1):85-7 PMID: 19753611
- Winker R** et al 2005 - *Chromosomal damage in human diploid fibroblasts by intermittent exposure to extremely low-frequency electromagnetic fields* Mutat Res 585(1-2):43-9 PMID: 16009595
- Wolf FI** et al 2005 - *50-Hz extremely low frequency electromagnetic fields enhance cell proliferation and DNA damage: possible involvement of a redox mechanism* Biochim Biophys Acta 1743(1-2):120-9 PMID: 15777847
- Wright EG** 2004 - *Commentary on radiation-induced bystander effects* Hum Exp Toxicol 23(2): 91-4 PMID: 15070067
- Wu J** et al 2011 - *Light at night activates IGF-1R/PDK1 signaling and accelerates tumor growth in human breast cancer xenografts* Cancer Res 71(7):2622-31 PMID: 21310824
- Wu LQ & JD Dickman** 2012 - *Neural Correlates of a Magnetic Sense* Science 336(6084):1054-7 PMID: 22539554
- Wu RY** et al 2000 - *The effect of 50 Hz magnetic field on GCSmRNA expression in lymphoma B cell by mRNA differential display* J Cell Biochem 79(3):460-70 PMID: 10972983
- Xiang S** et al 2015 - *Doxorubicin resistance in breast cancer is driven by Light at Night induced disruption of the circadian melatonin signal* J Pineal Res 59(1):60-9 PMID: 25857269
- Xiong J** et al 2013 - *Changes of dendritic spine density and morphology in the superficial layers of the medial entorhinal cortex induced by extremely low-frequency magnetic field exposure* PloS One 8(12):e83561 PMID: 24376717
- Xu Y** et al 2016b - *Influence of static electric field on cognition in mice* Bioengineered 7(4):241-5 PMID: 27282242
- Xu Y** et al 2016 - *Health effects of electromagnetic fields on reproductive-age female operators of plastic welding machines in Fuzhou, China* J Occup Environ Med 58(2):148-53 PMID: 26849258
- Yamazaki S** et al 2006 - *Association between high voltage overhead transmission lines and mental health: a cross-sectional study* Bioelectromagnetics 27(6):473-8 PMID: 16607646

- Yan J** et al 2010 – *Effects of extremely low-frequency magnetic field on growth and differentiation of human mesenchymal stem cells* *Electromagn Biol Med* 29(4):165-76 PMID: 20923323
- Yang WS** et al 2014 – *Light exposure at night, sleep duration, melatonin, and breast cancer: a dose-response analysis of observational studies* *Eur J Cancer Prev* 23(4):269-76 PMID: 24858716
- Yang Y** et al 2008 – *Case-only study of interactions between DNA repair genes (hMLH1, APEX1, MGMT, XRCC1 and XPD) and low-frequency electromagnetic fields in childhood acute leukemia* *Leuk Lymphoma* 49(12):2344-50 PMID: 19052983
- Ye H & A Curcuru** 2016 – *Biomechanics of cell membrane under low-frequency time-varying magnetic field: a shell model* *Med Biol Eng Comput* 54(12):1871-1881 PMID: 27053164
- Yi G** et al 2014 – *Effects of extremely low-frequency magnetic fields on the response of a conductance-based neuron model* *Int J Neural Syst* 24(1): 1450007 PMID: 24344694
- Yokus B** et al 2008 – *Extremely low frequency magnetic fields cause oxidative DNA damage in rats* *Int J Radiat Biol* 84(10):789-95 PMID: 18979312
- Yokus B** et al 2005 – *Oxidative DNA damage in rats exposed to extremely low frequency electromagnetic fields* *Free Radical Research* 39(3):317-323 PMID: 15788236
- Yoshikawa T** et al 2000 – *Enhancement of nitric oxide generation by low frequency electromagnetic fields* *Pathophysiology* 7(2):131-135 PMID: 10927193
- Yu JZ** et al 2014 – *Osteogenic differentiation of bone mesenchymal stem cells regulated by osteoblasts under EMF exposure in a co-culture system* *J Huazhong Univ Sci Technolog Med Sci* 34(2):247-53 PMID: 24710940
- Zahedi Y** et al 2014 – *Impact of repetitive exposure to strong static magnetic fields on pregnancy and embryonic development of mice* *J Magn Reson Imaging* 39(3):691-9 PMID: 24123601
- Zamanian Z** et al 2010 – *Effects of electromagnetic fields on mental health of the staff employed in gas power plants, Shiraz, 2009* *Pak J Biol Sci* 13(19):956-60 PMID: 21313919
- Zanotti G** et al 2016 – *Subjective symptoms in magnetic resonance imaging operators: prevalence, short-term evolution and possible related factors* *Med Lav* 107(4):263-70 PMID: 27464899
- Zare S** et al 2007 – *Histological studies of the low frequency electromagnetic fields effect on liver, testes and kidney in guinea pigs* *World Appl Sci J* 2(5):509-511
- Zaun G** et al 2014 – *Repetitive exposure of mice to strong static magnetic fields in utero does not impair fertility in adulthood but may affect placental weight of offspring* *J Magn Reson Imaging* 39(3):683-90 PMID: 24123570
- Zhadin MN** 2001 – *Review of Russian literature on biological action of DC and low-frequency AC magnetic fields* *Bioelectromagnetics* 22(1):27-45 PMID: 11122491
- Zhang A** et al 2009 – *Study on testicle tissue of rats in extremely low frequency electromagnetic fields* *Sheng Wu Yi Xue Gong Cheng Xue Za Zhi* 26(2):248-52 PMID: 19499780
- Zhang M** et al 2013 – *Effects of low frequency electromagnetic field on proliferation of human epidermal stem cells: An in vitro study* *Bioelectromagnetics* 34(1):74-80 PMID: 22926783
- Zhang X** et al 2010 – *Magnetic fields at extremely low-frequency (50 Hz, 0.8 mT) can induce the uptake of intracellular calcium levels in osteoblasts* *Biochem Biophys Res Commun* 396(3):662-6 PMID: 20438704
- Zhang Y** et al 2016 – *Meta-analysis of extremely low frequency electromagnetic fields and cancer risk: a pooled analysis of epidemiologic studies* *Environ Int* 88:36-43 PMID: 26703095
- Zhao G** et al 2014 – *Relationship between exposure to extremely low-frequency electromagnetic fields and breast cancer risk: a meta-analysis* *Eur J Gynaecol Oncol* 35(3):264-9 PMID: 24984538
- Zhao J** et al 2013 – *[Analysis on outer hair cells hazards from occupational exposure to low frequency electric and magnetic fields and magnetic fields and its related factors]* *Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi* 27(22):1247-51 PMID: 24616982
- Zhao L** et al 2014 – *Magnetic fields exposure and childhood leukemia risk: a meta-analysis based on 11,699 cases and 13,194 controls* *Leuk Res* 38(3):269-74 PMID: 24388073
- Zhao QR** et al 2015 – *Neuritin reverses deficits in murine novel object associative recognition memory caused by exposure to extremely low-frequency (50 Hz) electromagnetic fields* *Sci Rep* 5:11768 PMID: 26138388

- Zheleznov Ea** et al 2009 - *The state of epithelial cells and tissues exposed to an electromagnetic field* Vestn Oftalmol 125(6):43-6 PMID: 20143542
- Zhou H** et al 2012 - *Association between Extremely Low-Frequency Electromagnetic Fields Occupations and Amyotrophic Lateral Sclerosis: A Meta-Analysis* PloS One 7(11):e48354 PMID: 23189129
- Zhu Y** et al 2011 - *Epigenetic impact of long-term shiftwork: pilot evidence from circadian genes and whole-genome methylation analysis* Chronobiol Int 28(10):852-61 PMID: 22080730
- Zubidat AE** et al 2011 - *Spectral and duration sensitivity to light-at-night in 'blind' and sighted rodent species* J Exp Biol 214(Pt 19):3206-17 PMID: 21900468