

Your low EMF Home Articles

Your low EMF Home set of articles is separated into 9 sections, each of which can be individually downloaded. It is a 'work in progress' incorporating new information whenever time permits.

Section 9

References

1. House wiring and EMFs; introduction; what are normal EMFs? Choosing a consumer unit; electric Fields; cables; demand switches; external 'faults' in the supply that can cause high magnetic fields; Wiring in homes - SAGE report July 2007
2. Dirty electricity (DE) – What is dirty electricity? What effect does it have? What sort of levels are you likely to have? What you can do if you have high levels of DE; DE coming into the house; DE generated within the house; dLAN caution
3. Lighting and EMFs; Bulbs, incandescent, energy-saving, fluorescent, halogen, full-spectrum light, daylight, light emitting diode (LED); anglepoise lamps and other metal framed lamps, halogen desk lamps, bedside/bedhead lights, spotlights, standard lamps and table lamps, nightlights; light wiring; light switches, dimmer switches; Physiological effects of blue and red lights; circadian rhythms, melatonin, light and illness, timing of blue lights, timing of red/amber lights
4. Smart meters – What is it all about? Smart Grid; Remote reading meters; Smart meters; Wide Area Network (WAN) technologies; Home Area Network (HAN); RF exposures from Smart Meters; Experiences of smart meters in other countries; Solar storms may affect smart meters
5. WiFi general – cancer; diabetes; DNA; electrical hypersensitivity; eyes; heart; heat shock proteins; immune system defects; neurodegenerative diseases; neurological effects; oral effects; plant effects; reproductive effects; skin effects and WiFi technical – WiMAX; Wireless Myths 1) We've been exposed to this radiation for years, it must be safe 2) People only got affected when the scare stories started, it must be psychosomatic 3) Being on a phone for 20 minutes is equivalent to 1 year in a WiFi classroom 4) The WHO factsheet says there is no cause for concern, and they should know; Technical Information for Different Protocols
6. Underfloor heating
7. Microwaves, windows & Pilkington K glass – the glass; frames; ventilation

8. Intermediate frequency sources – CFLs; solar-power invertors; electric car chargers; toys including electric engines; a result of DE; electronic article surveillance systems

9. References – 137 References

References

- Aït-Aïssa S** et al 2012 - *In utero and early-life exposure of rats to a Wi-Fi signal: Screening of immune markers in sera and gestational outcome* Bioelectromagnetics 33(5):410-20 PMID: 22228576
- Akar A** et al 2013 - *Effects of low level electromagnetic field exposure at 2.45 GHz on rat cornea* Int J Radiat Biol 89(4):243-9 PMID: 23206266
- Akdag MZ** et al 2016 - *Does prolonged radiofrequency radiation emitted from Wi-Fi devices induce DNA damage in various tissues of rats?* J Chem Neuroanat 75(Pt B):116-22 PMID: 26775760
- 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
- Anderson JL** et al 2009 - *Lux versus wavelength in light treatment of Seasonal Affective Disorder.* Acta Psychiatr Scand 2009; 120:203-12 PMID: 19207131
- Atasoy H** et al 2013 - *Immunohistopathologic demonstration of deleterious effects on growing rat testes of radiofrequency waves emitted from conventional Wi-Fi devices* J Pediatr Urol 9(2):223-9 PMID: 22465825
- Avendaño C** et al 2012 - *Use of laptop computers connected to internet through Wi-Fi decreases human sperm motility and increases sperm DNA fragmentation* Fertil Steril 97(1):39-45 PMID: 22112647
- Bakos J** et al 2010 - *Spot measurements of intermediate frequency electric fields in the vicinity of compact fluorescent lamps* Radiat Prot Dosimetry 142(2-4):354-7 PMID: 20924120
- Bass J & JS Takahashi** 2010 - *Circadian integration of metabolism and energetics.* Science 330:1349-54 PMID: 21127246
- Bedrosian TA & RJ Nelson** 2013 - *Influence of the modern light environment on mood* Mol Psychiatry 18(7):751-7 PMID: 23711982
- 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
- Boyce P & E Barriball** 2010 - *Circadian rhythms and depression* Aust Fam Physician 39:307-10 PMID: 20485718
- Brzezinski A** 1997 - *Melatonin in humans.* N Engl J Med 336:186-95 PMID: 8988899
- Cajochen C** et al 2005 - *High sensitivity of human melatonin, alertness, thermoregulation, and heart rate to short wavelength light.* J Clin Endocrinol Metab 90:1311-6 PMID: 15585546
- Carazo I** 2013 - *The effect of night illumination, red and infrared light, on locomotor activity, behaviour and melatonin of Senegalese sole (Solea senegalensis) broodstock* Physiol Behav 118:201-7 PMID: 23711567
- Çelik Ö** et al 2015 - *Oxidative stress of brain and liver is increased by Wi-Fi (2.45 GHz) exposure of rats during pregnancy and the development of newborns* J Chem Neuroanat Oct 28 [Epub ahead of print] PMID: 26520617
- Ceyhan AM** et al 2012 - *Protective effects of beta-glucan against oxidative injury induced by 2.45-GHz electromagnetic radiation in the skin tissue of rats* Arch Dermatol Res 304(7):521-7 PMID: 22237725
- Chauhan P** et al 2016 - *Microwave radiation (2.45 GHz)-induced oxidative stress: Whole-body exposure effect on histopathology of Wistar rats* Electromagn Biol Med Jun 30:1-11 PMID: 27362544
- Chellappa SL** et al 2012 - *Human melatonin and alerting response to blue-enriched light depend on a polymorphism in the clock gene PER3* J Clin Endocrinol Metab 97(3):E433-7 PMID: 22188742

- Çiftçi ZZ** et al 2014 – *Effects of prenatal and postnatal exposure of Wi-Fi on development of teeth and changes in teeth element concentration in rats* Biol Trace Elem Res 163(1-2):193-201 PMID: 25395122
- Dasdag S** et al 2015 – *Effects of 2.4 GHz radiofrequency radiation emitted from Wi-Fi equipment on microRNA expression in brain tissue* Int J Radiat Biol 91(7):555-61 PMID: 25775055
- Dasdag S** et al 2014 - *Effect of long-term exposure of 2.4 GHz radiofrequency radiation emitted from Wi-Fi equipment on testes functions* Electromagn Biol Med 34(1):37-42 PMID: 24460421
- 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
- Davis S** et al 2001 - *Night shift work, light at night, and risk of breast cancer.* J Natl Cancer Inst 93:1557-62 PMID: 11604479
- Deshmukh PS** et al 2013 – *Detection of low level microwave radiation induced deoxyribonucleic acid damage vis-à-vis genotoxicity in brain of Fischer rats* Toxicol Int 20(1):19-24 PMID: 23833433
- De Vocht F** 2010 – *“Dirty electricity”: what, where, and should we care?* J Expo Sci Environ Epidemiol 20(5):399-405 PMID: 20336048
- Dunlap JC, Loros JJ, DeCoursey PJ, editors.** *Chronobiology, Biological Timekeeping.* Sunderland, Massachusetts, USA: Sinauer Associates Inc. Publishers; 2004.
- Eser O** et al 2013 – *the effect of electromagnetic radiation on the rat brain: an experimental study* Turk Neurosurg 23(6):707-15 PMID: 24310452
- European Commission** – *Study on the importance of WiFi and the socioeconomic benefits of using small cell infrastructures* <http://ec.europa.eu/digital-agenda/en/news/study-importance-wi-fi-socioeconomic-benefits-using-small-cell-infrastructures>
- 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
- Figueiro MG & MS Rea** 2010 - *The effects of red and blue lights on circadian variations in cortisol, alpha amylase, and melatonin* Int J Endocrinol 829351 PMID: 20652045
- Figueiro MG** et al 2009 - *Preliminary evidence that both blue and red light can induce alertness at night* BMC Neurosci 10:105 PMID: 19712442
- Frost P** et al 2009 - *Shift work and the risk of ischemic heart disease - a systematic review of the epidemiologic evidence* Scand J Work Environ Health 35:163-179 PMID: 19387517
- Gajšek P** et al 2016 – *Review of studies concerning electromagnetic field (EMF) exposure assessment in Europe: low frequency fields (50 Hz – 100 kHz)* Int J Environ Public Health 13(9) PMID: 27598182
- Ghazizadeh V & M Nazroğlu** 2014 – *Electromagnetic radiation (Wi-Fi) and epilepsy induce calcium entry and apoptosis through activation of TRPV1 channel in hippocampus and dorsal root ganglion of rats* Metab Brain Dis 29(3):787-99 PMID: 24792079
- Glickman G** et al 2006 - *Light therapy for seasonal affective disorder with blue narrow-band light-emitting diodes (LEDs)* Biol Psychiatry 59:502-7 PMID: 16165105
- 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
- Gooley JJ** et al 2011 - *Exposure to room light before bedtime suppresses melatonin onset and shortens melatonin duration in humans* J Clin Endocrinol Metab 96:E463-72 PMID: 21193540
- Grigor’ev IuG** et al 2010 – *[Autoimmune processes after long-term low-level exposure to electromagnetic fields (the results of an experiment). Part 4. Manifestation of oxidative intracellular stress-reaction after long-term non-thermal EMF exposure of rats]* Radiats Biol Radioecol 50(1):22-7 PMID: 20297677
- Gringras P** et al 2015 – *Bigger, brighter, bluer-better? Current light-emitting devices – adverse sleep properties and preventative strategies* Front Public health 13;3:233 PMID: 26528465

- Gronfier C** et al 2007 - *Entrainment of the human circadian pacemaker to longer-than-24-h days* Proc Natl Acad Sci U S A. 104(21):9081-6 PMID: 17502598
- Gronfier C** et al 2004 - *Efficacy of a single sequence of intermittent bright light pulses for delaying circadian phase in humans* Am J Physiol Endocrinol Metab 287:E174-81 PMID: 15039146
- Gürler HS** et al 2014 - *Increased DNA oxidation (8-OHdG) and protein oxidation (AOPP) by low level electromagnetic field (2.45 GHz) in rat brain and protective effect of garlic* Int J Radiat Biol 90(10):892-6 PMID: 24844368
- Haus E & M Smolensky** 2006 - *Biological clocks and shift work: circadian dysregulation and potential long-term effects* Cancer Causes Control 17:489-500 PMID: 16596302
- Havas M** 2008 - *Dirty electricity elevates blood sugar among electrically sensitive diabetics and may explain brittle diabetes* Electromagn Biol Med 27(2):135-46 PMID: 18568931
- 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
- Havas M & A Olstad** 2008 - *Power quality affects teacher wellbeing and student behavior in three Minnesota Schools* Sci Total Environ 402(2-3):157-62 PMID: 18556048
- Havas M & D Stetzer** 2004 - *Dirty electricity and electrical hypersensitivity: Five case studies.* World Health Organization Workshop on Electrical Hypersensitivity, WHO, Prague, Czech Republic 25-26 October 2004
- Hedendahl L** et al 2015 - *Electromagnetic hypersensitivity – an increasing challenge to the medical profession* Rev Environ Health 30(4):209-15 PMID: 26372109
- Higuchi S** et al 2011 - *Effectiveness of a Red-visor Cap for Preventing Light-induced Melatonin Suppression during Simulated Night Work* J Physiol Anthropol 30(6):251-8 PMID: 22197958
- Holovská K** et al 2015 - *Structural and ultrastructural study of rat liver influenced by electromagnetic radiation* J Toxicol Environ Health A 78(6):353-6 PMID: 25734762
- Howland RH** 2009 - *An overview of seasonal affective disorder and its treatment options* Phys Sportsmed 37:104-15 PMID: 20048547
- IARC (International Agency for Research on Cancer)** 2010 - *Painting, Firefighting, and Shiftwork.* IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: Volume 98. Lyon: IARC Press
- Jasser SA** et al 2006 - *Dim light adaptation attenuates acute melatonin suppression in humans* J Biol Rhythms 21(5):394-404 PMID: 16998159
- Jorge-Mora T** et al 2010 - *Exposure to 2.45 GHz microwave radiation provokes cerebral changes in induction of Hsp-90 alpha/beta heat shock protein in rat* Prog Electromagn Res 100:351-379
- 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
- Kent ST** et al 2009 - *Effect of sunlight exposure on cognitive function among depressed and non-depressed participants: a REGARDS cross-sectional study* Environ Health 8(1):34 PMID: 19638195
- Kesari KK** et al 2010 - *Mutagenic response of 2.45 GHz radiation exposure on rat brain* Int J Radiat Biol 86:334-343 PMID: 20353343
- Khalid M** et al 2011 - *Exposure to radio frequency electromagnetic fields from wireless computer networks: duty factors of Wi-Fi devices operating in schools* Prog Biophys Mol Biol 107(3):412-20 PMID: 21856328
- Kloog I** et al 2011 - *Does the modern urbanized sleeping habitat pose a breast cancer risk?* Chronobiol Int 28:76-80 PMID: 21182407
- Kloog I** et al 2010 - *Nighttime light level co-distributes with breast cancer incidence worldwide* Cancer Causes Control 21:2059-68 PMID: 20680434
- Korkmaz A** et al 2009 - *Role of melatonin in metabolic regulation* Rev Endocr Metab Disord 10:261-70 PMID: 19911281

- Kuybulu AE** et al 2016 - *Effects of long-term pre- and post-natal exposure to 2.45 GHz wireless devices on developing male rat kidney* Ren Fail 38(4):571-80 PMID: 26905323
- Kvaskoff M & P Weinstein** 2010 - *Are some melanomas caused by artificial light?* Med Hypotheses 2010; 75:305-11 PMID: 20347530
- Lerchl A** et al 2009 - *Indirect blue light does not suppress nocturnal salivary melatonin in humans in an automobile setting* J Pineal Res 47(2):143-6 PMID: 19555449
- Lockley SW** et al 2006 - *Short-wavelength sensitivity for the direct effects of light on alertness, vigilance, and the waking electroencephalogram in humans* Sleep 29:161-8 PMID: 16494083
- Lockley SW** et al 2003 - *High sensitivity of the human circadian melatonin rhythm to resetting by short wavelength light* J Clin Endocrinol Metab 88:4502-5 PMID: 12970330
- Maaroufi K** et al 2011 - *Oxidative stress and prevention of the adaptive response to chronic iron overload in the brain of young adult rats exposed to a 150 kilohertz electromagnetic field* Neuroscience 186:39-47 PMID: 21497179
- Mahoney MM** 2010 - *Shift work, jet lag, and female reproduction* Int J Endocrinol 2010:813764 PMID: 20224815
- Margaritis LH** et al 2013 - *Drosophila oogenesis as a bio-marker responding to EMF sources* Electromagn Biol Med 33(3):165-89 PMID: 23915130
- Milham S & D Stetzer** 2013 - *Dirty electricity, chronic stress, neurotransmitters and disease* Electromagn Biol Med 32(4):500-7 PMID: 23323864
- 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
- Misa-Agustiño MJ** et al 2015 - *EMF radiation at 2450 MHz triggers changes in the morphology and expression of heat shock proteins and glucocorticoid receptors in rat thymus* Life Sci 127:1-11 PMID: 25731700
- Monteleone P** et al 2011 - *Circadian rhythms and treatment implications in depression* Prog Neuropsychopharmacol Biol Psychiatry 35(7):1569-74 PMID: 20691746
- Münch M** et al 2006 - *Wavelength-dependent effects of evening light exposure on sleep architecture and sleep EEG power density in men* Am J Physiol Regul Integr Comp Physiol 290:R1421-8 PMID: 16439671
- Najjar RP** et al 2014 - *Chronic artificial blue-enriched white light is an effective countermeasure to delayed circadian phase and neurobehavioral decrements* PLoS One 9(7):e102827 PMID: 25072880
- Nazıroğlu M** et al 2013 - *Recent reports of Wi-Fi and mobile phone-induced radiation on oxidative stress and reproductive signaling pathways in females and males* J Membr Biol 246(12):869-75 PMID: 24105626
- Obayashi K** et al 2014 - *Association between light exposure at night and nighttime blood pressure in the elderly independent of nocturnal urinary melatonin excretion* Chronobiol Int 31(6):779-86 PMID: 24673296
- Oksay T** et al 2014 - *Protective effects of melatonin against oxidative injury in rat testis induced by wireless (2.45 GHz) devices* Andrologia 46(1):65-72 PMID: 23145464
- O'Leary ES** et al 2006 - *Shift work, light at night, and breast cancer on Long Island, New York* Am J Epidemiol 164:358-66 PMID: 16777931
- Ortiz-Tudela E** et al 2012 - *[Chronodisruption and ageing]* Rev Esp Geriatr Gerontol 47(4):168-73 PMID: 22177973
- Ozkan S** et al 2012 - *Photoperiodic lighting (16 hours of light:8 hours of dark) programs during incubation: 1. Effects on growth and circadian physiological traits of embryos and early stress response of broiler chickens* Poult Sci 91(11):2912-21 PMID: 23091150
- Özorak A** et al 2013 - *Wi-Fi (2.45 GHz)- and mobile phone (900 and 1800 MHz)-induced risks on oxidative stress and elements in kidney and testis of rats during pregnancy and the development of offspring* Biol Trace Elem Res 156(1-3):221-9 PMID: 24101576

- Paknahad M** et al 2016 – *Effect of radiofrequency radiation from Wi-Fi devices on mercury release from amalgam restorations* J Environ Health Sci Eng Jul 13;14:12 PMID: 27418965
- Papageorgiou CC** et al 2011 – *Effects of wi-fi signals on the p300 component of event-related potentials during an auditory hayling task* J Integr Neurosci 10(2):189-202 PMID: 21714138
- Parazzini M** et al 2010 – *Assessment of the exposure to WLAN frequencies of a head model with a cochlear implant* Bioelectromagnetics 31(7):546-55 PMID: 20683910
- 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
- Paulraj R & J Behari** 2006 – *Single strand DNA breaks in rat brain cells exposed to microwave radiation* Mutat Res 596(1-2):76-80 PMID: 16458332
- Phipps-Nelson J** et al 2009 – *Blue light exposure reduces objective measures of sleepiness during prolonged nighttime performance testing* Chronobiol Int 26(5):891-912 PMID: 19637049
- Poole EM** et al 2011 – *Rotating night shift work and risk of ovarian cancer* Cancer Epidemiol Biomarkers Prev 20:934-8 PMID: 21467237
- Rahman SA** et al 2008 – *Selectively filtering short wavelengths attenuates the disruptive effects of nocturnal light on endocrine and molecular circadian phase markers in rats* Endocrinology 149(12):6125-35 PMID: 18687787
- Rana S & S Mahmood** 2010 – *Circadian rhythm and its role in malignancy* J Circadian Rhythms 8:3 PMID: 20353609
- Reddy AB & JS O'Neill** 2010 – *Healthy clocks, healthy body, healthy mind* Trends Cell Biol 20:36-44 PMID: 19926479
- Reiter RJ** et al 2010 – *Melatonin: a multitasking molecule* Prog Brain Res 181:127-51 PMID: 20478436
- Reppert SM & DR Weaver** 2002 – *Coordination of circadian timing in mammals* Nature 418:935-41 PMID: 12198538
- Revell VL** et al 2006 – *Alerting effects of light are sensitive to very short wavelengths* Neurosci Lett 399:96-100 PMID: 16490309
- Rimmer DW** et al 2000 – *Dynamic resetting of the human circadian pacemaker by intermittent bright light* Am J Physiol Regul Integr Comp Physiol 279:R1574-9 PMID: 11049838
- Roivainen P** et al 2014 – *Occupational exposure to intermediate frequency and extremely low frequency magnetic fields among personnel working near electronic article surveillance systems* Bioelectromagnetics 35(4):245-50 PMID: 24615825
- Rüger M** et al 2013 – *Human phase response curve to a single 6.5-h pulse of short-wavelength light* J Physiol 591(Pt 1):353-63 PMID: 23090946
- Sahin L & MG Figueiro** 2013 – *Alerting effects of short-wavelength (blue) and long-wavelength (red) lights in the afternoon* Physiol Behav May 27;116-117:1-7 PMID: 23535242
- Saili L** et al 2015 – *Effects of acute exposure to WiFi signals (2.45GHz) on heart variability and blood pressure in Albinos rabbit* Environ Toxicol Pharmacol 40(2):600-5 PMID: 26356390
- Sakurai T** et al 2009 – *Intermediate frequency magnetic fields generated by an induction heating (IH) cooktop do not affect genotoxicities and expression of heat shock proteins* Int J Radiat Biol 85(10):883-90 PMID: 19863202
- Salah MB** et al 2013 – *Effects of olive leave extract on metabolic disorders and oxidative stress induced by 2.45 GHz WIFI signals* Environ Toxicol Pharmacol 36(3):826-34 PMID: 23994945
- Sangun O** et al 2015 – *The effects of long-term exposure to a 2450 MHz electromagnetic field on growth and pubertal development in female Wistar rats* Electromagn Biol Med 34(1):63-71 PMID: 24460416
- Saygin M** et al 2015 – *impact of 2.45 GHz microwave radiation on the testicular inflammatory pathway biomarkers in young rats: The role of gallic acid* Environ Toxicol Aug 13 [Epub ahead of print] PMID: 26268881
- Schernhammer ES & SE Hankinson** 2005 – *Urinary melatonin levels and breast cancer risk* J Natl Cancer Inst 97(14):1084-7 PMID: 16030307

- Schernhammer E** et al 2004 - *Epidemiology of urinary melatonin in women and its relation to other hormones and night work* *Cancer Epidemiol Biomarkers Prev* 13 (62): 936-43 PMID: 15184249
- Shahin S** et al 2013 - *2.45 GHz microwave irradiation-induced oxidative stress affects implantation or pregnancy in mice, *Mus musculus** *Appl Biochem Biotechnol* 169(5):1727-51 PMID: 23334843
- Srinivasan V** et al 2008 - *Melatonin, environmental light, and breast cancer* *Breast Cancer Res Treat* 108(3):339-50 PMID: 17541739
- Stevens RG** et al 2011 - *Considerations of circadian impact for defining 'shift work' in cancer studies: IARC Working Group Report* *Occup Environ Med* 68:154-62 PMID: 20962033
- Stevens RG** 2009 - *Light-at-night, circadian disruption and breast cancer: assessment of existing evidence* *Int J Epidemiol* 2009; 38:963-70 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* 115:1357-62 PMID: 17805428
- Stevens RG** 2006 - *Artificial lighting in the industrialised world: circadian disruption and breast cancer* *Cancer Causes Control* 17(4):501-7 PMID: 16596303
- Størmer FC** 2015 - *Is blue light, cryptochrome in the eye and magnetite in the brain involved in the development of frontotemporal dementia and other diseases?* *Med Hypotheses* 84(4):379-80 PMID: 25678234
- Strong RE** et al 2009 - *Narrow-band blue-light treatment of seasonal affective disorder in adults and the influence of additional nonseasonal symptoms* *Depress Anxiety* 26:273-8 PMID: 19016463
- Taheri M** et al 2015 - *Klebsiella pneumonia, a microorganism that approves the non-linear responses to antibiotics and window theory after exposure to Wi-Fi 2.4 GHz electromagnetic radiofrequency radiation* *J Biomed Phys Eng* 5(3):115-20 PMID: 26396967
- 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
- Thapan K** et al 2001 - *An action spectrum for melatonin suppression: evidence for a novel non-rod, non-cone photoreceptor system in humans* *J Physiol* 535:261-7 PMID: 11507175
- Tomitsch J** et al 2010 - *Survey of electromagnetic field exposure in bedrooms of residences in lower Austria* *Bioelectromagnetics* 31(3):200-8 PMID: 19780092
- Tsybulin O** et al 2016 - *Monochromatic red light of LED protects embryonic cells from oxidative stress caused by radiofrequency radiation* *Oxid Antioxid Med Sci* 5(1):21-27
- Türker Y** et al 2011 - *Selenium and L-carnitine reduce oxidative stress in the heart of rat induced by 2.45-GHz radiation from wireless devices* *Biol Trace Elem Res* 143(3):1640-50 PMID: 21360060
- Vandewalle G** et al 2010 - *Spectral quality of light modulates emotional brain responses in humans* *Proc Natl Acad Sci U S A* 107:19549-54 PMID: 20974959
- Vandewalle G** et al 2009 - *Light as a modulator of cognitive brain function* *Trends Cogn Sci* 13:429-38 PMID: 19748817
- Vandewalle G** et al 2007a - *Wavelength-dependent modulation of brain responses to a working memory task by daytime light exposure* *Cereb Cortex* 17:2788-95 PMID: 17404390
- Vandewalle G** et al 2007b - *Brain responses to violet, blue, and green monochromatic light exposures in humans: prominent role of blue light and the brainstem* *PLoS ONE* 2:e1247 PMID: 18043754
- Vian A** et al 2016 - *Plant responses to high frequency electromagnetic fields* *Biomed Res Int* 2016:1830262 PMID: 26981524
- Viola AU** et al 2008 - *Blue-enriched white light in the workplace improves self-reported alertness, performance and sleep quality* *Scand J Work Environ Health* 34:297-306 PMID: 18815716
- Wada K** et al 2013 - *A tryptophan-rich breakfast and exposure to light with low color temperature at night improve sleep and salivary melatonin level in Japanese students* *J Circadian Rhythms* 11(1):4 PMID: 23705838

- Wahnschaffe A** et al 2013 - *Out of the lab and into the bathroom: evening short-term exposure to conventional light suppresses melatonin and increases alertness perception* Int J Mol Sci 14(2):2573-89 PMID: 23358248
- Walsh CM** et al 2012 - *Blue light from light-emitting diodes directed at a single eye elicits a dose-dependent suppression of melatonin in horses* Vet J 196(2):231-5 PMID: 23079244
- Wang B & H Lai** 2000 - *Acute exposure to pulsed 2450-MHz microwaves affects water-maze performance of rats* Bioelectromagnetics 21(1):52-6 PMID: 10615092
- Warille AA** et al 2016 - *Controversies on electromagnetic field exposure and the nervous systems of children* Histol Histopathol 31(5):461-8 PMID: 26661935
- Westrin A & RW Lam** 2007 - *Seasonal affective disorder: a clinical update* Ann Clin Psychiatry 19:239-46 PMID: 18058281
- Win-Shwe T** et al 2015 - *Early exposure to intermediate-frequency magnetic fields alters brain biomarkers without histopathological changes in adult mice* Int J Environ Res Public health 12(4):4406-21 PMID: 25913185
- Wirz-Justice A** et al 2005 - *Chronotherapeutics (light and wake therapy) in affective disorder* Psychol Med 35:939-44 PMID: 16045060
- Yüksel M** et al 2015 - *Long-term exposure to electromagnetic radiation from mobile phones and Wi-Fi devices decreases plasma prolactin, progesterone, and estrogen levels but increases uterine oxidative stress in pregnant rats and their offspring* Endocrine 52(2):352-62 PMID: 26578367
- Zhao J** et al 2012 - *Red light and the sleep quality and endurance performance of Chinese female basketball players* J Athl Train 47(6):673-8 PMID: 23182016