ORSAA Database Extract Per Bio Effect Category

	Oxidative Stress Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1367	Effects of acute exposure to the radiofrequency fields of cellular phones on plasma lipid peroxide and antioxidase activities in human erythrocytes.	Moustafa	Effect	01/11/2001	https://www.ncbi.nlm.nih.gov/pubmed/11516912
2236	Effect of electromagnetic field produced by mobile phones on the activity of superoxide dismutase (SOD-1) and the level of malonyldialdehyde (MDA)--in vitro study	Stopczyk	Effect	01/01/2002	https://www.ncbi.nlm.nih.gov/pubmed/12474410
1457	Effects of electromagnetic radiation from a cellular telephone on the oxidant and antioxidant levels in rabbits	Irmak	Effect	23/04/2002	https://www.ncbi.nlm.nih.gov/pubmed/12415560
1229	Whole body exposure of rats to microwaves emitted from a cell phone does not affect the testes	Dasdag	No Effect	12/03/2003	https://www.ncbi.nlm.nih.gov/pubmed/12669301
1243	Effects of 2.45 GHz microwave exposures on the peroxidation status in Wistar rats	Aweda	Effect	01/12/2003	https://www.emf-portal.org/en/article/18444
1333	Does 900 MHz GSM Mobile Phone Exposure Affect Rat Brain?	Dasdag	Effect	01/01/2004	https://www.emf-portal.org/en/article/12083
1294	Ginkgo biloba prevents mobile phone-induced oxidative stress in rat brain.	Ilhan	Effect	01/02/2004	https://www.ncbi.nlm.nih.gov/pubmed/14734207
1487	Acute exposure to 930 MHz CW electromagnetic radiation in vitro affects reactive oxygen species level in rat lymphocytes treated by iron ions.	Zmyślony	Effect	09/06/2004	https://www.ncbi.nlm.nih.gov/pubmed/15197754
1494	Green tea catechins protect rats from microwave-induced oxidative damage to heart tissue	Kim	Effect	01/09/2004	https://www.emf-portal.org/en/article/18443
1177	Oxidative stress-mediated skin damage in an experimental mobile phone model can be prevented by melatonin	Ayata	Effect	01/11/2004	https://www.ncbi.nlm.nih.gov/pubmed/15729859
1287	Evaluation of parameters of oxidative stress after in vitro exposure to FMCW- and CDMA-modulated radiofrequency radiation fields.	Hook	No Effect	01/11/2004	https://www.ncbi.nlm.nih.gov/pubmed/15624304
1386	Oxidative damage in the kidney induced by 900-MHz-emitted mobile phone: protection by melatonin.	Oktem	Effect	11/03/2005	https://www.ncbi.nlm.nih.gov/pubmed/15950073
1606	Comparative analysis of the protective effects of melatonin and caffeic acid phenethyl ester (CAPE) on mobile phone-induced renal	Ozguner	Effect	01/08/2005	https://www.ncbi.nlm.nih.gov/pubmed/16132682
1404	A novel antioxidant agent caffeic acid phenethyl ester prevents long-term mobile phone exposure-induced renal impairment in rat. Prognostic value of malondialdehyde, N-acetyl-beta-D-glucosaminidase and nitric oxide determination.	Ozguner	Effect	01/09/2005	https://www.ncbi.nlm.nih.gov/pubmed/16132717

1580	Influence of (460 MHz) electromagnetic fields on the induced lipid peroxidation in the structures of visual analyzer and hypothalamus in experimental animals	Musaev	Effect	01/09/2005	https://www.ncbi.nlm.nih.gov/pubmed/16318001
1394	Mobile phone-induced myocardial oxidative stress: protection by a novel antioxidant agent caffeic acid phenethyl ester.	Ozguner	Effect	01/10/2005	https://www.ncbi.nlm.nih.gov/pubmed/16342473
1401	Protective effects of melatonin and caffeic acid phenethyl ester against retinal oxidative stress in long-term use of mobile phone: a comparative study.	Ozguner	Effect	01/01/2006	https://www.ncbi.nlm.nih.gov/pubmed/16317515
1318	Melatonin modulates 900 Mhz microwave-induced lipid peroxidation changes in rat brain.	Köylü	Effect	01/06/2006	https://www.ncbi.nlm.nih.gov/pubmed/16898263
1245	Oxidative stress effects on the central nervous system of rats after acute exposure to ultra high frequency electromagnetic fields.	Ferreira	No Effect	01/09/2006	https://www.ncbi.nlm.nih.gov/pubmed/16715528
1392	Endometrial apoptosis induced by a 900-MHz mobile phone: preventive effects of vitamins E and C.	Oral	Effect	01/11/2006	https://www.ncbi.nlm.nih.gov/pubmed/17276964
1491	Investigation of biological effect of microwave mobile phone on antioxidant in rabbit blood	Khavanin	Effect	01/01/2007	http://en.journals.sid.ir/ViewPaper.aspx?ID=82492
1641	Effects of subchronic exposure to radio frequency from a conventional cellular telephone on testicular function in adult rats	Ribeiro	No Effect	01/01/2007	https://www.ncbi.nlm.nih.gov/pubmed/17162098
1247	Mechanism of short-term ERK activation by electromagnetic fields at mobile phone frequencies.	Friedman	Effect	01/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/17456048
1258	900 MHz radiofrequency-induced histopathologic changes and oxidative stress in rat endometrium: protection by vitamins E and C.	Guney	Effect	01/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/18536493
1366	Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea	Meral	Effect	12/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17674954
1459	Exposure to radiofrequency radiation induces oxidative stress in duckweed Lemna minor L.	Tkalec	Effect	01/12/2007	https://www.ncbi.nlm.nih.gov/pubmed/17825879
1228	Effect of long term mobile phone exposure on oxidative-antioxidative processes and nitric oxide in rats.	Dasdag	Effect	01/01/2008	https://www.emf-portal.org/en/article/19308
2287	Blocking 1800 MHz mobile phone radiation-induced reactive oxygen species production and DNA damage in lens epithelial cells by noise	Wu	Effect	01/01/2008	https://www.ncbi.nlm.nih.gov/pubmed/18275117
1630	Electromagnetic radiation from mobile phone causes no oxidative stress to the brain	Praputpittaya	No Effect	01/01/2008	http://cmuir.cmu.ac.th/handle/6653943832/2316
1492	Comparison of antioxidant capacity changes in rabbit blood after disconnected exposure to mobile phone microwave	Khavanin	Effect	01/04/2008	http://en.journals.sid.ir/ViewPaper.aspx?ID=139457
2334	Effect of superposed electromagnetic noise on DNA damage of lens epithelial cells induced by microwave radiation	Yao	Effect	01/05/2008	https://www.ncbi.nlm.nih.gov/pubmed/18436834

2295	Electromagnetic noise inhibits radiofrequency radiation-induced DNA damage and reactive oxygen species increase in human lens epithelial cells	Yao	Effect	19/05/2008	https://www.ncbi.nlm.nih.gov/pubmed/18509546
1242	Health Risks of Electromagnetic Radiation from Mobile Phone on Brain of Rats	Awad	Effect	01/06/2008	https://www.researchgate.net/publication/228361169_Health_Risks_of_Electromagnetic_Radiation_from_
1531	Mobile phone electromagnetic radiation activates MAPK signaling and regulates viability in Drosophila	Lee	Effect	01/07/2008	https://www.emf-portal.org/en/article/15685
503	Effects of radiofrequency electromagnetic waves (RF- EMW) from cellular phones on human ejaculated semen: an in vitro pilot study	Agarwal	Effect	22/09/2008	http://www.ncbi.nlm.nih.gov/pubmed/18804757
1446	Melatonin reduces oxidative stress induced by chronic exposure of microwave radiation from mobile phones in rat brain.	Sokolovic	Effect	29/09/2008	https://www.ncbi.nlm.nih.gov/pubmed/18827438
1357	Radio frequency electromagnetic radiation (RF-EMR) from GSM (0.9/1.8GHz) mobile phones induces oxidative stress and reduces sperm motility in rats	Mailankot	Effect	06/03/2009	https://www.ncbi.nlm.nih.gov/pubmed/19578660
1493	Effects of Green Tea on Mineral Levels of Liver and Testis of Guinea Pigs Electromagnetic Field Emitted by Mobil Phones	Kilicalp	Effect	01/04/2009	http://scialert.net/fulltext/?doi=ajava.2009.86.92
1431	Effects of Selenium and L-Carnitine on Oxidative Stress in Blood of Rat Induced by 2.45-GHz Radiation from Wireless Devices	Gumral	Effect	25/04/2009	https://www.ncbi.nlm.nih.gov/pubmed/19396408
917	Mobile Phone Radiation Induces Reactive Oxygen Species Production and DNA Damage in Human Spermatozoa In Vitro	De Iuliis	Effect	01/07/2009	http://www.emf-portal.de/viewer.php?aid=17394&l=e
1483	Fifty-gigahertz microwave exposure effect of radiations on rat brain	Kesari	Effect	01/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/19089649
1179	Effects of mobile phones on oxidant/antioxidant balance in cornea and lens of rats.	Balci	Effect	02/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/17364731
258	GSM base station electromagnetic radiation and oxidative stress in rats	Yurekli	Effect	07/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/16954120
1503	Caffeic Acid Phenethyl Ester Modulates 1800 MHz Microwave-Induced Oxidative Stress in Rat Liver	Koyu	Effect	07/07/2009	https://www.emf-portal.org/en/article/13470
1432	Mobile phone radiation inhibits Vigna radiata (mung bean) root growth by inducing oxidative stress.	Sharma	Effect	13/08/2009	https://www.ncbi.nlm.nih.gov/pubmed/19682728
1319	The protective effect of caffeic acid phenethyl ester (CAPE) on oxidative stress in rat liver exposed to the 900 MHz electromagnetic field.	Koyu	Effect	11/09/2009	https://www.ncbi.nlm.nih.gov/pubmed/19671636
1439	Prevalence of nuclear cataract in Swiss veal calves and its possible association with mobile telephone antenna base stations	Hassig	Effect	01/10/2009	https://www.emf-portal.org/en/article/17570

1956	Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study	Agarwal	Effect	01/10/2009	https://www.ncbi.nlm.nih.gov/pubmed/18804757
2018	Effect of radiofrequency electromagnetic field exposure on in vitro models of neurodegenerative disease	Del Vecchio	Uncertain Effect	01/10/2009	https://www.emf-portal.org/en/article/17143
1980	Reactive oxygen species formation is not enhanced by exposure to UMTS 1950 MHz radiation and co-exposure to ferrous ions in Jurkat cells	Brescia	No Effect	01/10/2009	https://www.emf-portal.org/en/article/17135
502	The influence of 1800 MHz GSM-like signals on hepatic oxidative DNA and lipid damage in nonpregnant, pregnant, and newly born rabbits.	Tomruk	Uncertain Effect	23/10/2009	http://www.emf-portal.de/viewer.php?l=e&aid=17640
810	The effect of radiofrequency radiation on DNA and lipid damage in non-pregnant and pregnant rabbits and their newborns.	Guler	Effect	01/03/2010	http://www.emf-portal.de/viewer.php?aid=18104&l=e
1211	Reactive oxygen species levels and DNA fragmentation on astrocytes in primary culture after acute exposure to low intensity microwave electromagnetic field	Campisi	Effect	31/03/2010	https://www.ncbi.nlm.nih.gov/pubmed/20156525
413	Effect of cell phone exposure on physiologic and hematologic parameters of male medical students of Bijapur (Karnataka) with reference to serum lipid profile	Parkar	Effect	01/04/2010	https://www.emf-portal.org/en/article/18637
804	Mutagenic response of 2.45 GHz radiation exposure on rat brain	Kesari	Effect	01/04/2010	http://www.emf-portal.de/viewer.php?aid=18089&l=e
1405	Mobile phone radiation-induced free radical damage in the liver is inhibited by the antioxidants N-acetyl cysteine and epigallocatechin-gallate.	Ozgur	Effect	01/09/2010	https://www.ncbi.nlm.nih.gov/pubmed/20807176
839	Mobile phone usage and male infertility in Wistar rats	Kesari	Effect	01/10/2010	http://www.emf-portal.de/viewer.php?aid=19004&l=e
1218	Effects of 900 and 1800 MHz Electromagnetic Field Application on Electrocardiogram, Nitric Oxide, Total Antioxidant Capacity, Total Oxidant Capacity, Total Protein, Albumin and Globulin Levels in Guinea Pigs.	Cenesiz	Effect	01/01/2011	http://vetdergi.kafkas.edu.tr/extdocs/2011_3/357-362.pdf
1508	Exposure to cell phone radiations produces biochemical changes in worker honey bees	Kumar	Effect	01/01/2011	https://www.emf-portal.org/en/article/19126
1485	Effects of Radiofrequency Electromagnetic Wave Exposure from Cellular Phones on the Reproductive Pattern in Male Wistar Rats	Kesari	Effect	15/01/2011	https://www.emf-portal.org/en/article/18931
2017	Effect of Exposure to the Edge Signal on Oxidative Stress in Brain Cell Models	de Gannes	No Effect	01/02/2011	https://www.emf-portal.org/en/article/18782
1235	900 MHz pulse-modulated radiofrequency radiation induces oxidative stress on heart, lung, testis and liver tissues.	Esmekaya	Effect	01/03/2011	https://www.ncbi.nlm.nih.gov/pubmed/21460416

1477	Selenium and L-carnitine reduce oxidative stress in the heart of rat induced by 2.45-GHz radiation from wireless devices.	Türker	Effect	01/03/2011	https://www.ncbi.nlm.nih.gov/pubmed/21360060
1704	Selenium and L-Carnitine Reduce Oxidative Stress in the Heart of Rat Induced by 2.45-GHz Radiation from Wireless Devices	Turker	Effect	01/03/2011	https://www.emf-portal.org/en/article/19062
1244	Effects of a 900-MHz Electromagnetic Field on Oxidative Stress Parameters in Rat Lymphoid Organs, Polymorphonuclear Leukocytes and Plasma	Aydin	Effect	01/05/2011	https://www.emf-portal.org/en/article/19492
1488	Detection of oxidative stress induced by mobile phone radiation in tissues of mice using 8-oxo-7, 8-dihydro-20-deoxyguanosine as a	Khalil	No Effect	01/05/2011	https://www.emf-portal.org/en/article/20110
1437	Cell phone electromagnetic field radiations affect rhizogenesis through impairment of biochemical processes.	Singh	Effect	12/05/2011	https://www.ncbi.nlm.nih.gov/pubmed/21562792
1514	The therapeutic effect of a pulsed electromagnetic field on the reproductive patterns of male Wistar rats exposed to a 2.45-GHz microwave field	Kumar	Effect	01/07/2011	https://www.ncbi.nlm.nih.gov/pubmed/21876981
1524	The effects of simultaneous combined exposure to CDMA and WCDMA electromagnetic fields on rat testicular function	Lee	No Effect	19/10/2011	https://www.emf-portal.org/en/article/19804
1310	900-MHz microwave radiation promotes oxidation in rat brain.	Kesari	Effect	02/11/2011	https://www.ncbi.nlm.nih.gov/pubmed/22047460
1486	Pathophysiology of Microwave Radiation: Effect on Rat Brain	Kesari	Effect	29/11/2011	https://www.emf-portal.org/en/article/19939
1309	Oxidative stress in hippocampus induced by 900 MHz electromagnetic field emitting mobile phone: Protection by melatonin.	Kerman	Effect	01/01/2012	http://www.biomedres.info/abstract/oxidative-stress-in-hippocampus-induced-by-900-mhz-electromagnetic-field-emitting-mobile-phone-protection-by-melatonin-978.html
1312	8-Oxo-7, 8-dihydro-2'-deoxyguanosine as a biomarker of DNA damage by mobile phone radiation	Khalil	Effect	16/01/2012	https://www.ncbi.nlm.nih.gov/pubmed/22249391
501	Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons	Xu	Effect	22/01/2012	http://www.emf-portal.de/viewer.php?l=e&aid=17674
1377	Melatonin modulates wireless (2.45 GHz)-induced oxidative injury through TRPM2 and voltage gated Ca(2+) channels in brain and dorsal root ganglion in rat.	Nazıroğlu	Effect	01/02/2012	https://www.ncbi.nlm.nih.gov/pubmed/22019785
1304	The influence of microwave radiation from cellular phone on fetal rat brain.	Jing	Effect	01/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22268709
1472	GSM 900 MHz microwave radiation affects embryo development of Japanese quails.	Tsybulin	Effect	01/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22268787
1173	Rat testicular impairment induced by electromagnetic radiation from a conventional cellular telephone and the protective effects of the antioxidants vitamins C and E	Al-Damegh	Effect	07/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22892924?dopt=Abstract

1253	The effect of radiofrequency radiation on DNA and lipid damage in female and male infant rabbits	Guler	Effect	01/04/2012	https://www.ncbi.nlm.nih.gov/pubmed/22145622
702	Effects of 837 and 1950 MHz radiofrequency radiation exposure alone or combined on oxidative stress in MCF10A cells	Hong	No Effect	30/04/2012	http://www.emf-portal.de/viewer.php?l=e&aid=20693
2153	2.45-Gz Wireless Devices Induce Oxidative Stress and Proliferation Through Cytosolic Ca(2+) Influx in Human Leukemia Cancer Cells	Naziroglu	Effect	02/05/2012	https://www.emf-portal.org/en/article/20481
1378	2.45-Gz wireless devices induce oxidative stress and proliferation through cytosolic Ca^{2+} influx in human leukemia cancer cells.	Nazıroğlu	Effect	01/06/2012	https://www.ncbi.nlm.nih.gov/pubmed/22489926
1350	Effects of third generation mobile phone-emitted electromagnetic radiation on oxidative stress parameters in eye tissue and blood of rats	Demirel	No Effect	01/06/2012	https://www.emf-portal.org/en/article/20259
1362	Effects of electromagnetic radiation produced by 3G mobile phones on rat brains: magnetic resonance spectroscopy, biochemical, and histopathological evaluation	Dogan	No Effect	01/06/2012	https://www.emf-portal.org/en/article/19350
1353	Reactive oxygen species formation and apoptosis in human peripheral blood mononuclear cell induced by 900MHz mobile phone radiation	Lu	Effect	14/06/2012	https://www.ncbi.nlm.nih.gov/pubmed/22778799?dopt=Abstract
24	Oxidative stress induced by 1.8 GHz radio frequency electromagnetic radiation and effects of garlic extract in rats.	Avci	Effect	08/08/2012	https://www.ncbi.nlm.nih.gov/pubmed/22788526
1484	Evidence for mobile phone radiation exposure effects on reproductive pattern of male rats: role of ROS	Kesari	Effect	01/09/2012	https://www.emf-portal.org/en/article/21125
100	Radiofrequency electromagnetic field exposure effects on antioxidant enzymes and liver function tests	Kumari	Effect	09/09/2012	http://www.emf-portal.de/viewer.php?l=e&aid=26267
40	Radiofrequency electromagnetic field exposure effects on antioxidant enzymes and liver function tests	Kumari	Effect	01/10/2012	http://www.emf-portal.de/viewer.php?l=e&aid=26267
1283	Effects of 837 and 1950MHz radiofrequency radiation exposure alone or combined on oxidative stress in MCF10A cells.	Hong	No Effect	01/10/2012	https://www.ncbi.nlm.nih.gov/pubmed/22549623
621	The effect of electromagnetic radiation on the rat brain: an experimental study	Eser	Effect	30/10/2012	http://www.ncbi.nlm.nih.gov/pubmed/24310452?dopt=Abstract
1198	Changes in antioxidant capacity of blood due to mutual action of electromagnetic field (1800 MHz) and opioid drug (tramadol) in animal model of persistent inflammatory state.	Bodera	Effect	02/11/2012	https://www.ncbi.nlm.nih.gov/pubmed/23744426
641	Microwave radiation induced oxidative stress, cognitive impairment and inflammation in brain of Fischer rats.	Megha	Effect	01/12/2012	http://www.emf-portal.de/viewer.php?aid=23417&l=e
1265	Is human saliva an indicator of the adverse health effects of using mobile phones?	Hamzany	Effect	16/01/2013	https://www.ncbi.nlm.nih.gov/pubmed/22894683

73	Exposure to 1800MHz Radiofrequency Electromagnetic Radiation Induces Oxidative DNA Base Damage in a Mouse Spermatocyte-Derived Cell Line	Liu	Effect	18/01/2013	http://www.emf-portal.de/viewer.php?l=e&aid=21674
1317	The effects of antioxidants on testicular apoptosis and oxidative stress produced by cell phones.	Koç	Effect	18/01/2013	http://dergipark.ulakbim.gov.tr/tbtkmedical/article/view/5000024749
1428	2.45 GHz microwave irradiation-induced oxidative stress affects implantation or pregnancy in mice, Mus musculus	Shahin	Effect	22/01/2013	https://www.ncbi.nlm.nih.gov/pubmed/23334843
84	Cell type-dependent induction of DNA damage by 1800 MHz radiofrequency electromagnetic fields does not result in significant cellular dysfunctions	Xu	Effect	23/01/2013	http://www.ncbi.nlm.nih.gov/pubmed/23355902?dopt=Abstract
1296	The prophylactic effect of vitamin C on oxidative stress indexes in rat eyes following exposure to radiofrequency wave generated by a BTS antenna model.	Jelodar	Effect	01/02/2013	https://www.ncbi.nlm.nih.gov/pubmed/22892052
1449	Melatonin protects rat thymus against oxidative stress caused by exposure to microwaves and modulates proliferation/apoptosis of thymocytes	Sokolovic	Effect	01/03/2013	https://www.ncbi.nlm.nih.gov/pubmed/23531837
1675	Melatonin protects rat thymus against oxidative stress caused by exposure to microwaves and modulates proliferation/apoptosis of thymocytes	Sokolovic	Effect	01/03/2013	https://www.emf-portal.org/en/article/21991
74	Effect of 900 MHz radiofrequency radiation on oxidative stress in rat brain and serum	Bilgici	Effect	09/03/2013	http://www.ncbi.nlm.nih.gov/pubmed/23301880?dopt=Abstract
67	Effect of low level microwave radiation exposure on cognitive function and oxidative stress in rats	Deshmukh	Effect	01/04/2013	https://www.ncbi.nlm.nih.gov/pubmed/23720885
602	The Effects of Cell Phone Waves (900 MHz-GSM Band) on Sperm Parameters and Total Antioxidant Capacity in Rats	Ghanbari	Effect	01/04/2013	https://www.emf-portal.org/en/article/24276
650	Effect of low level microwave radiation exposure on cognitive function and oxidative stress in rats	Deshmukh	Effect	01/04/2013	http://www.emf-portal.de/viewer.php?aid=22655&l=e
1462	Oxidative and genotoxic effects of 900 MHz electromagnetic fields in the earthworm Eisenia fetida	Tkalec	Effect	01/04/2013	https://www.ncbi.nlm.nih.gov/pubmed/23352129
1178	Modulation of wireless (2.45 GHz)-induced oxidative toxicity in laryngotracheal mucosa of rat by melatonin.	Aynali	Effect	01/05/2013	https://www.ncbi.nlm.nih.gov/pubmed/23479077
1365	Therapeutic approaches of melatonin in microwave radiations-induced oxidative stress-mediated toxicity on male fertility pattern of Wistar rats	Meena	Effect	15/05/2013	https://www.ncbi.nlm.nih.gov/pubmed/23676079
1358	Reactive oxygen species elevation and recovery in Drosophila bodies and ovaries following short-term and long-term exposure to DECT base EMF.	Manta	Effect	19/06/2013	https://www.ncbi.nlm.nih.gov/pubmed/23781995

1311	Assessment of oxidant/antioxidant status in saliva of cell phone users.	Khalil	No Effect	19/06/2013	https://www.ncbi.nlm.nih.gov/pubmed/23781989
62	Study of Oxidative Stress in Human Lens Epithelial Cells Exposed to 1.8 GHz Radiofrequency Fields	NI	Effect	26/08/2013	http://www.ncbi.nlm.nih.gov/pubmed/23991100?dopt=Abstract
79	Overproduction of free radical species in embryonal cells exposed to low intensity radiofrequency radiation	Burlaka	Effect	01/09/2013	http://www.ncbi.nlm.nih.gov/pubmed/24084462?dopt=Abstract
1302	The prophylactic effect of vitamin C on induced oxidative stress in rat testis following exposure to 900 MHz radio frequency wave generated by a BTS antenna model.	Jelodar	Effect	01/09/2013	https://www.ncbi.nlm.nih.gov/pubmed/23323690
106	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	Ozorak	Effect	24/09/2013	http://www.emf-portal.de/viewer.php?l=e&aid=23656
104	Effects of olive leave extract on metabolic disorders and oxidative stress induced by 2.45 GHz WIFI signals	Salah	Effect	01/11/2013	http://www.emf-portal.de/viewer.php?aid=23421&l=e
49	The effect of prenatal exposure to 900-megahertz electromagnetic field on the, 21-old-day rat testicle	Hancı	Effect	01/12/2013	http://www.ncbi.nlm.nih.gov/pubmed/24095929?dopt=Abstract
61	Spatial learning, monoamines and oxidative stress in rats exposed to 900MHz electromagnetic field in combination with iron overload	Maaroufi	Effect	01/01/2014	http://www.ncbi.nlm.nih.gov/pubmed/24144546?dopt=Abstract
46	Evaluation of oxidant stress and antioxidant defence in discrete brain regions of rats exposed to 900 MHz radiation	Narayanan	Effect	01/01/2014	http://www.emf-portal.de/viewer.php?aid=25704&l=e
1417	Effects of nano-selenium on cognition performance of mice exposed in 1800 MHz radiofrequency fields	Qin	Effect	01/01/2014	https://www.ncbi.nlm.nih.gov/pubmed/24564105
1466	Effects of melatonin on Wi-Fi-induced oxidative stress in lens of rats.	Tok	Effect	01/01/2014	https://www.ncbi.nlm.nih.gov/pubmed/24492496
1172	Evaluation of selected biochemical parameters in the saliva of young males using mobile phones.	Abu Khadra	Effect	05/02/2014	https://www.ncbi.nlm.nih.gov/pubmed/24499288
75	Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain	Kesari	Effect	01/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/23949848
628	Effects of combined radiofrequency radiation exposure on levels of reactive oxygen species in neuronal cells.	Kang	Effect	01/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/24105709
161	Spin Biochemistry Modulates Reactive Oxygen Species (ROS) Production by Radio Frequency Magnetic Fields	Usselman	Effect	28/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/24681944?dopt=Abstract
42	Liver antioxidant stores protect the brain from electromagnetic radiation (900 and 1800 MHz)-induced oxidative stress in rats during pregnancy and the development of offspring.	Cetin	Effect	09/04/2014	http://www.emf-portal.de/viewer.php?aid=24373&l=e

597	Cell phone use and parotid salivary gland alterations: no molecular evidence	de Souza	No Effect	21/04/2014	http://www.ncbi.nlm.nih.gov/pubmed/24753545?dopt=Abstract
1175	Vitamin C protects rat cerebellum and encephalon from oxidative stress following exposure to radiofrequency wave generated by a BTS antenna model.	Akbari	Effect	25/04/2014	https://www.ncbi.nlm.nih.gov/pubmed/24730455?dopt=Abstract
160	Changes in mitochondrial functioning with electromagnetic radiation of ultra-high frequency as revealed by electron paramagnetic resonance methods	Burlaka	Effect	01/05/2014	http://www.ncbi.nlm.nih.gov/pubmed/24597749?dopt=Abstract
1354	Effect of American Ginseng Capsule on the liver oxidative injury and the Nrf2 protein expression in rats exposed by electromagnetic radiation of frequency of cell phone.	Luo	Effect	01/05/2014	https://www.ncbi.nlm.nih.gov/pubmed/24941847
1320	Effect of electromagnetic irradiation produced by 3G mobile phone on male rat reproductive system in a simulated scenario	Kumar	Effect	23/05/2014	https://www.ncbi.nlm.nih.gov/pubmed/25241589
52	Selenium Reduces Mobile Phone (900 MHz)-Induced Oxidative Stress, Mitochondrial Function, and Apoptosis in Breast Cancer Cells	Kahya	Effect	27/06/2014	http://www.ncbi.nlm.nih.gov/pubmed/24965080?dopt=Abstract
39	Protective role of sesame oil against mobile base station-induced oxidative stress.	Marzook	Effect	01/07/2014	http://www.emf-portal.de/viewer.php?l=e&aid=23921
1422	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells.	Sefidbakht	Effect	01/07/2014	https://www.ncbi.nlm.nih.gov/pubmed/24886806
80	The protective effect of autophagy on mouse spermatocyte derived cells exposure to 1800MHz radiofrequency electromagnetic radiation	Liu	Effect	04/08/2014	http://www.ncbi.nlm.nih.gov/pubmed/24813634?dopt=Abstract
48	Pathological effects of prenatal exposure to a 900 MHz electromagnetic field on the 21-day-old male rat kidney	Odacı	Effect	27/08/2014	http://www.ncbi.nlm.nih.gov/pubmed/25158858?dopt=Abstract
47	The effects of prenatal exposure to a 900-MHz electromagnetic field on the 21-day-old male rat heart.	Turedi	Effect	28/08/2014	http://www.emf-portal.de/viewer.php?aid=25683&l=e
103	Electromagnetic radiation (Wi-Fi) and epilepsy induce calcium entry and apoptosis through activation of TRPV1 channel in hippocampus and dorsal root ganglion of rats	Ghazizadeh	Effect	01/09/2014	http://www.emf-portal.de/viewer.php?aid=24789&l=e
44	Effect of electromagnetic irradiation produced by 3G mobile phone on male rat reproductive system in a simulated scenario	Kumar	Effect	01/09/2014	http://www.emf-portal.de/viewer.php?l=e&aid=25773
101	Increased DNA oxidation (8-OHdG) and protein oxidation (AOPP) by	Gurler	Effect	01/10/2014	http://www.emf-
50	Analysis of rat testicular proteome following 30-days exposure to 900 MHz electromagnetic field radiation	Sepehrimanesh	Effect	18/10/2014	http://www.emf-portal.de/viewer.php?aid=25672&l=e
141	Non-invasive radiofrequency treatment effect on mitochondria in pancreatic cancer cells	Curley	Effect	01/11/2014	http://www.ncbi.nlm.nih.gov/pubmed/24986120?dopt=Abstract

53	Effects of mobile phone radiation (900 MHz radiofrequency) on structure and functions of rat brain	Saikhedkar	Effect	01/12/2014	http://www.emf-portal.de/viewer.php?aid=24987&l=e
54	Biochemical Modifications and Neuronal Damage in Brain of Young and Adult Rats After long-term Exposure to Mobile Phone Radiations	Motawi	Effect	01/12/2014	http://www.ncbi.nlm.nih.gov/pubmed/24801773?dopt=Abstract
31	Exposure to 900 MHz electromagnetic fields activates the mkp-1/ERK pathway and causes blood-brain barrier damage and cognitive impairment in rats	Tang	Effect	15/01/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26411
33	Circadian Rhythmicity of Antioxidant Markers in Rats Exposed to 1.8 GHz Radiofrequency Fields	Cao	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?aid=26534&l=e
30	Investigation of the effects of distance from sources on apoptosis, oxidative stress and cytosolic calcium accumulation via TRPV1 channels induced by mobile phones and Wi-Fi in breast cancer cells	Cig	Effect	19/02/2015	http://www.emf-portal.de/viewer.php?aid=26606&l=e
105	The effects of long-term exposure to a 2450 MHz electromagnetic field on growth and pubertal development in female Wistar rats	Sangun	Effect	01/03/2015	http://www.emf-portal.de/viewer.php?l=e&aid=24187
25	Cognitive Impairment and Neurogenotoxic Effects in Rats Exposed to Low-Intensity Microwave Radiation	Deshmukh	Effect	05/03/2015	http://www.ncbi.nlm.nih.gov/pubmed/25749756?dopt=Abstract
59	Oxidative changes and apoptosis induced by 1800-MHz electromagnetic radiation in NIH/3T3 cells	Hou	Effect	25/03/2015	http://www.emf-portal.de/viewer.php?aid=24552&l=e
559	The effect of melatonin on the liver of rats exposed to microwave radiation	Djordjevic	Effect	01/06/2015	https://www.ncbi.nlm.nih.gov/pubmed/25665474
4	Influence of electromagnetic field (1800 MHz) on lipid peroxidation in brain, blood, liver and kidney in rats	Bodera	Effect	01/06/2015	http://www.emf-portal.de/viewer.php?l=e&aid=27635
14	The Effects of Melatonin on Oxidative Stress Parameters and DNA Fragmentation in Testicular Tissue of Rats Exposed to Microwave Radiation	Sokolovic	Effect	24/06/2015	http://www.emf-portal.de/viewer.php?aid=28061&l=e
5	Protective effect of Liuweidihuang Pills against cellphone electromagnetic radiation-induced histomorphological abnormality, oxidative injury, and cell apoptosis in rat testes	Ma	Effect	02/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26442304?dopt=Abstract
11	Electromagnetic radiation at 900 MHz induces sperm apoptosis through bcl-2, bax and caspase-3 signalling pathways in rats	Liu	Effect	04/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26239320?dopt=Abstract
94	Impact of 2.45 GHz microwave radiation on the testicular inflammatory pathway biomarkers in young rats: The role of gallic acid	Saygin	Effect	13/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26268881
55	Cell oxidation-reduction imbalance after modulated radiofrequency radiation	Marjanovic	Effect	28/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/25119294?dopt=Abstract

6	Effect of 900 MHz Electromagnetic Radiation on the Induction of ROS in Human Peripheral Blood Mononuclear Cells	Kazemi	Effect	01/09/2015	http://www.emf-portal.de/viewer.php?aid=27903&l=e
8	8-oxoG DNA Glycosylase-1 Inhibition Sensitizes Neuro-2a Cells to Oxidative DNA Base Damage Induced by 900 MHz Radiofrequency Electromagnetic Radiation	Wang	Effect	25/09/2015	https://www.emf-portal.org/en/article/27920
3	Effects of prenatal exposure to a 900 MHz electromagnetic field on 60-day-old rat testis and epididymal sperm quality	Odacı	Effect	15/10/2015	http://www.ncbi.nlm.nih.gov/pubmed/26472053?dopt=Abstract
1	Low intensity microwave radiation induced oxidative stress, inflammatory response and DNA damage in rat brain	Megha	Effect	25/10/2015	http://www.ncbi.nlm.nih.gov/pubmed/26511840
513	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.	Yuksel	Effect	14/11/2015	http://www.ncbi.nlm.nih.gov/pubmed/26578367?dopt=Abstract
58	Effect of exposure and withdrawal of 900-MHz-electromagnetic waves on brain, kidney and liver oxidative stress and some biochemical parameters in male rats	Ragy	Effect	01/12/2015	http://www.emf-portal.de/viewer.php?aid=24632&l=e
844	The effect of prenatal exposure to 1800 MHz electromagnetic field on calcineurin and bone development in rats	Erkut	Effect	01/02/2016	http://www.ncbi.nlm.nih.gov/pubmed/26959616?dopt=Abstract
514	Exposure to mobile phone electromagnetic field radiation, ringtone and vibration affects anxiety-like behaviour and oxidative stress biomarkers in albino wistar rats.	Shehu	Effect	01/04/2016	http://www.ncbi.nlm.nih.gov/pubmed/26546224?dopt=Abstract
990	Histological and histochemical study of the protective role of rosemary extract against harmful effect of cell phone electromagnetic radiation on the parotid glands.	Ghoneim	Effect	04/05/2016	http://www.ncbi.nlm.nih.gov/pubmed/27155802?dopt=Abstract
1126	Effects of 1950 MHz W-CDMA-like signal on human spermatozoa	ıkatani-Enomo	No Effect	11/06/2016	https://www.emf-portal.org/en/article/29652
1112	Microwave radiation (2.45 GHz)-induced oxidative stress: Whole-body exposure effect on histopathology of Wistar rats.	Chauhan	Effect	30/06/2016	http://www.ncbi.nlm.nih.gov/pubmed/27362544
1157	Effects of radiofrequency field exposure on glutamate-induced oxidative stress in mouse hippocampal HT22 cells	Kim	Effect	20/09/2016	https://www.ncbi.nlm.nih.gov/pubmed/27648632?dopt=Abstract
2365	Impact of RF EMF on cucumber and tomato plants	Al-Kathiri	Effect	13/10/2016	http://ieeexplore.ieee.org/document/7746234/?reload=true
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PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1568	Effects of radiofrequency exposure on the GABAergic system in the rat cerebellum: clues from semi-quantitative immunohistochemistry	Mausset	Effect	24/04/2001	https://www.ncbi.nlm.nih.gov/pubmed/11520491
1690	Effects of exposure to low level radiofrequency fields on acetylcholine release in hippocampus of freely moving rats	Testylier	Effect	02/04/2002	http://onlinelibrary.wiley.com/doi/10.1002/bem.10008/abstract

1569	Acute exposure to GSM 900-MHz electromagnetic fields induces glial reactivity and biochemical modifications in the rat brain	ausset Bonnefc	Effect	01/12/2004	https://www.ncbi.nlm.nih.gov/pubmed/15571980
1441	Short term exposure to 1439 MHz pulsed TDMA field does not alter melatonin synthesis in rats	Hata	No Effect	01/01/2005	https://www.ncbi.nlm.nih.gov/pubmed/15605405
1771	The effect of GSM and TETRA mobile handset signals on blood pressure, catechol levels and heart rate variability	Barker	No Effect	01/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17486598
2174	Change of cholinesterase relative activity under modulated ultra high frequency electromagnetic radiation in experiments in vitro	Pashovkina	Effect	01/05/2011	https://www.ncbi.nlm.nih.gov/pubmed/21866837
1592	Variations in amino acid neurotransmitters in some brain areas of adult and young male albino rats due to exposure to mobile phone radiation	Noor	Effect	01/07/2011	https://www.ncbi.nlm.nih.gov/pubmed/21780540
1304	The influence of microwave radiation from cellular phone on fetal rat brain.	Jing	Effect	01/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22268709
72	The effect of pulsed electromagnetic radiation from mobile phone on the levels of monoamine neurotransmitters in four different areas of rat brain	Aboul	Effect	01/07/2013	http://www.emf-portal.de/viewer.php?l=e&aid=23112
61	Spatial learning, monoamines and oxidative stress in rats exposed to 900MHz electromagnetic field in combination with iron overload	Maaroufi	Effect	01/01/2014	http://www.ncbi.nlm.nih.gov/pubmed/24144546?dopt=Abstract
1417	Effects of nano-selenium on cognition performance of mice exposed in 1800 MHz radiofrequency fields	Qin	Effect	01/01/2014	https://www.ncbi.nlm.nih.gov/pubmed/24564105
150	Reduction of Phosphorylated Synapsin I (Ser-553) Leads to Spatial Memory Impairment by Attenuating GABA Release after Microwave Exposure in Wistar Rats	Qiao	Effect	01/04/2014	http://www.ncbi.nlm.nih.gov/pubmed/24743689?dopt=Abstract
155	Alteration of glycine receptor immunoreactivity in the auditory brainstem of mice following three months of exposure to radiofrequency radiation at SAR 4.0 W/kg	Maskey	Effect	22/05/2014	http://www.ncbi.nlm.nih.gov/pubmed/24866721
145	Alterations of cognitive function and 5-HT system in rats after long term microwave exposure	Li	Effect	24/12/2014	http://www.emf-portal.de/viewer.php?aid=26303&l=e
983	The relationship between NMDA receptors and microwave-induced learning and memory impairment: a long-term observation on Wistar rats	Wang	Effect	24/01/2015	http://www.ncbi.nlm.nih.gov/pubmed/25426698
23	Effect of Low-Intensity Microwave Radiation on Monoamine Neurotransmitters and Their Key Regulating Enzymes in Rat Brain	Megha	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26521
28	Effect of Short-term 900 MHz low level electromagnetic radiation exposure on blood serotonin and glutamate levels	Eris	Effect	01/06/2015	https://www.ncbi.nlm.nih.gov/pubmed/25665475?dopt=Abstract

532	Increased Release of Mercury from Dental Amalgam Fillings due to Maternal Exposure to Electromagnetic Fields as a Possible Mechanism for the High Rates of Autism in the Offspring: Introducing a Hypothesis	Mortazavi	Effect	01/03/2016	https://www.researchgate.net/publication/275210542_Increased_Release_of_Mercury_from_Dental_Amalgam_Fillings_due_to_Maternal_Exposure_to_Electromagnetic_Fields_as_a_Possible_Mechanism_for_the_High_Rates_of_Autism_in_the_Offspring_Introducing_a_Hypothe
	Altered Enzyme Studies				
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1348	The role of coherence time in the effect of microwaves on ornithine decarboxylase activity.	Litovitz	Effect	22/03/1993	https://www.ncbi.nlm.nih.gov/pubmed/8285913
1414	Effect of amplitude modulated RF radiation on calcium ion efflux and ODC activity in chronically exposed rat brain.	Paulraj	Effect	01/10/1999	https://www.ncbi.nlm.nih.gov/pubmed/10844985
1618	Changes in serum alkaline phosphatase activity during in vitro exposure to amplitude-modulated electromagnetic field of ultrahigh frequency (2375 MHz) in guinea pigs	Pashovkina	Effect	01/01/2000	https://www.ncbi.nlm.nih.gov/pubmed/10732222
1367	Effects of acute exposure to the radiofrequency fields of cellular phones on plasma lipid peroxide and antioxidase activities in human erythrocytes.	Moustafa	Effect	01/11/2001	https://www.ncbi.nlm.nih.gov/pubmed/11516912
1177	Oxidative stress-mediated skin damage in an experimental mobile phone model can be prevented by melatonin	Ayata	Effect	01/11/2004	https://www.ncbi.nlm.nih.gov/pubmed/15729859
1386	Oxidative damage in the kidney induced by 900-MHz-emitted mobile phone: protection by melatonin.	Oktem	Effect	11/03/2005	https://www.ncbi.nlm.nih.gov/pubmed/15950073
1214	Electromagnetic fields at mobile phone frequency induce apoptosis and inactivation of the multi-chaperone complex in human epidermoid cancer cells	Caraglia	Effect	01/08/2005	https://www.ncbi.nlm.nih.gov/pubmed/15754340
1404	A novel antioxidant agent caffeic acid phenethyl ester prevents long-term mobile phone exposure-induced renal impairment in rat. Prognostic value of malondialdehyde, N-acetyl-beta-D-glucosaminidase and nitric oxide determination.	Ozguner	Effect	01/09/2005	https://www.ncbi.nlm.nih.gov/pubmed/16132717
1394	Mobile phone-induced myocardial oxidative stress: protection by a novel antioxidant agent caffeic acid phenethyl ester.	Ozguner	Effect	01/10/2005	https://www.ncbi.nlm.nih.gov/pubmed/16342473
1401	Protective effects of melatonin and caffeic acid phenethyl ester against retinal oxidative stress in long-term use of mobile phone: a comparative study.	Ozguner	Effect	01/01/2006	https://www.ncbi.nlm.nih.gov/pubmed/16317515

781	Ultra high frequency-electromagnetic field irradiation during pregnancy leads to an increase in erythrocytes micronuclei incidence in rat offspring	Ferreira	Effect	23/08/2006	http://www.emf-portal.de/viewer.php?l=e&aid=14184
1288	Ornithine decarboxylase activity is affected in primary astrocytes but not in secondary cell lines exposed to 872MHz RF radiation.	Höytö	Effect	05/03/2007	https://www.ncbi.nlm.nih.gov/pubmed/17487676
1335	Mobile phone exposure does not induce apoptosis on spermatogenesis in rats	Dasdag	No Effect	20/07/2007	https://www.emf-portal.org/en/article/15455
1258	900 MHz radiofrequency-induced histopathologic changes and oxidative stress in rat endometrium: protection by vitamins E and C.	Guney	Effect	01/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/18536493
1366	Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea pigs	Meral	Effect	12/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17674954
1459	Exposure to radiofrequency radiation induces oxidative stress in duckweed Lemna minor L.	Tkalec	Effect	01/12/2007	https://www.ncbi.nlm.nih.gov/pubmed/17825879
1228	Effect of long term mobile phone exposure on oxidative-antioxidative processes and nitric oxide in rats.	Dasdag	Effect	01/01/2008	https://www.emf-portal.org/en/article/19308
503	Effects of radiofrequency electromagnetic waves (RF- EMW) from cellular phones on human ejaculated semen: an in vitro pilot study	Agarwal	Effect	22/09/2008	http://www.ncbi.nlm.nih.gov/pubmed/18804757
1446	Melatonin reduces oxidative stress induced by chronic exposure of microwave radiation from mobile phones in rat brain.	Sokolovic	Effect	29/09/2008	https://www.ncbi.nlm.nih.gov/pubmed/18827438
1179	Effects of mobile phones on oxidant/antioxidant balance in cornea and lens of rats.	Balci	Effect	02/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/17364731
258	GSM base station electromagnetic radiation and oxidative stress in rats	Yurekli	Effect	07/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/16954120
1211	Reactive oxygen species levels and DNA fragmentation on astrocytes in primary culture after acute exposure to low intensity microwave electromagnetic field	Campisi	Effect	31/03/2010	https://www.ncbi.nlm.nih.gov/pubmed/20156525
804	Mutagenic response of 2.45 GHz radiation exposure on rat brain	Kesari	Effect	01/04/2010	http://www.emf-portal.de/viewer.php?aid=18089&l=e
1236	Pulse modulated 900 MHz radiation induces hypothyroidism and apoptosis in thyroid cells: a light, electron microscopy and immunohistochemical study.	Esmekaya	Effect	01/09/2010	https://www.ncbi.nlm.nih.gov/pubmed/20807179
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839	Mobile phone usage and male infertility in Wistar rats	Kesari	Effect	01/10/2010	http://www.emf-portal.de/viewer.php?aid=19004&l=e
852	Low intensity microwave radiation as modulator of the L:-lactate dehydrogenase activity	Vojisavljevic	Effect	07/10/2010	http://www.ncbi.nlm.nih.gov/pubmed/21308416?dopt=Abstract
1485	Effects of Radiofrequency Electromagnetic Wave Exposure from Cellular Phones on the Reproductive Pattern in Male Wistar Rats	Kesari	Effect	15/01/2011	https://www.emf-portal.org/en/article/18931
1477	Selenium and L-carnitine reduce oxidative stress in the heart of rat induced by 2.45-GHz radiation from wireless devices.	Türker	Effect	01/03/2011	https://www.ncbi.nlm.nih.gov/pubmed/21360060
1244	Effects of a 900-MHz Electromagnetic Field on Oxidative Stress Parameters in Rat Lymphoid Organs, Polymorphonuclear Leukocytes and Plasma	Aydin	Effect	01/05/2011	https://www.emf-portal.org/en/article/19492
1656	Testicular apoptosis and histopathological changes induced by a 2.45 GHz electromagnetic field	Saygin	Effect	01/06/2011	https://www.emf-portal.org/en/article/19016
1310	900-MHz microwave radiation promotes oxidation in rat brain.	Kesari	Effect	02/11/2011	https://www.ncbi.nlm.nih.gov/pubmed/22047460
1173	Rat testicular impairment induced by electromagnetic radiation from a conventional cellular telephone and the protective effects of the antioxidants vitamins C and E	Al-Damegh	Effect	07/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22892924?dopt=Abstract
1381	Protective effects of melatonin against oxidative injury in rat testis induced by wireless (2.45 GHz) devices.	Oksay	Effect	12/04/2012	https://www.ncbi.nlm.nih.gov/pubmed/23145464
702	Effects of 837 and 1950 MHz radiofrequency radiation exposure alone or combined on oxidative stress in MCF10A cells	Hong	No Effect	30/04/2012	http://www.emf-portal.de/viewer.php?l=e&aid=20693
679	Effects of GSM-Frequency Electromagnetic Radiation on Some Physiological and Biochemical Parameters in Rats	Khirazova	Effect	01/06/2012	http://www.emf-portal.de/viewer.php?l=e&aid=21407
1350	Effects of third generation mobile phone-emitted electromagnetic radiation on oxidative stress parameters in eye tissue and blood of rats	Demirel	No Effect	01/06/2012	https://www.emf-portal.org/en/article/20259
1378	2.45-Gz wireless devices induce oxidative stress and proliferation through cytosolic Ca^{2+} influx in human leukemia cancer cells.	Nazıroğlu	Effect	01/06/2012	https://www.ncbi.nlm.nih.gov/pubmed/22489926
100	Radiofrequency electromagnetic field exposure effects on antioxidant enzymes and liver function tests	Kumari	Effect	09/09/2012	http://www.emf-portal.de/viewer.php?l=e&aid=26267
40	Radiofrequency electromagnetic field exposure effects on antioxidant enzymes and liver function tests	Kumari	Effect	01/10/2012	http://www.emf-portal.de/viewer.php?l=e&aid=26267
1283	Effects of 837 and 1950MHz radiofrequency radiation exposure alone or combined on oxidative stress in MCF10A cells.	Hong	No Effect	01/10/2012	https://www.ncbi.nlm.nih.gov/pubmed/22549623
1296	The prophylactic effect of vitamin C on oxidative stress indexes in rat eyes following exposure to radiofrequency wave generated by a BTS antenna model.	Jelodar	Effect	01/02/2013	https://www.ncbi.nlm.nih.gov/pubmed/22892052

1449	Melatonin protects rat thymus against oxidative stress caused by exposure to microwaves and modulates proliferation/apoptosis of thymocytes	Sokolovic	Effect	01/03/2013	https://www.ncbi.nlm.nih.gov/pubmed/23531837
1675	Melatonin protects rat thymus against oxidative stress caused by exposure to microwaves and modulates proliferation/apoptosis of thymocytes	Sokolovic	Effect	01/03/2013	https://www.emf-portal.org/en/article/21991
74	Effect of 900 MHz radiofrequency radiation on oxidative stress in rat brain and serum	Bilgici	Effect	09/03/2013	http://www.ncbi.nlm.nih.gov/pubmed/23301880?dopt=Abstract
1233	Immunohistopathologic demonstration of deleterious effects on growing rat testes of radiofrequency waves emitted from conventional Wi-Fi devices	Atasoy	Effect	01/04/2013	https://www.emf-portal.org/en/article/20439
1462	Oxidative and genotoxic effects of 900 MHz electromagnetic fields in the earthworm Eisenia fetida	Tkalec	Effect	01/04/2013	https://www.ncbi.nlm.nih.gov/pubmed/23352129
1178	Modulation of wireless (2.45 GHz)-induced oxidative toxicity in laryngotracheal mucosa of rat by melatonin.	Aynali	Effect	01/05/2013	https://www.ncbi.nlm.nih.gov/pubmed/23479077
62	Study of Oxidative Stress in Human Lens Epithelial Cells Exposed to 1.8 GHz Radiofrequency Fields	NI	Effect	26/08/2013	http://www.ncbi.nlm.nih.gov/pubmed/23991100?dopt=Abstract
79	Overproduction of free radical species in embryonal cells exposed to low intensity radiofrequency radiation	Burlaka	Effect	01/09/2013	http://www.ncbi.nlm.nih.gov/pubmed/24084462?dopt=Abstract
106	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	Ozorak	Effect	24/09/2013	http://www.emf-portal.de/viewer.php?l=e&aid=23656
64	Circadian alterations of reproductive functional markers in male rats exposed to 1800 MHz radiofrequency field	Qin	Effect	01/11/2013	http://www.ncbi.nlm.nih.gov/pubmed/24117058
104	Effects of olive leave extract on metabolic disorders and oxidative stress induced by 2.45 GHz WIFI signals	Salah	Effect	01/11/2013	http://www.emf-portal.de/viewer.php?aid=23421&l=e
1466	Effects of melatonin on Wi-Fi-induced oxidative stress in lens of rats.	Tok	Effect	01/01/2014	https://www.ncbi.nlm.nih.gov/pubmed/24492496
1172	Evaluation of selected biochemical parameters in the saliva of young males using mobile phones.	Abu Khadra	Effect	05/02/2014	https://www.ncbi.nlm.nih.gov/pubmed/24499288
75	Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain	Kesari	Effect	01/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/23949848
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1354	Effect of American Ginseng Capsule on the liver oxidative injury and the Nrf2 protein expression in rats exposed by electromagnetic radiation of frequency of cell phone.	Luo	Effect	01/05/2014	https://www.ncbi.nlm.nih.gov/pubmed/24941847
39	Protective role of sesame oil against mobile base station-induced oxidative stress.	Marzook	Effect	01/07/2014	http://www.emf-portal.de/viewer.php?l=e&aid=23921
1422	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells.	Sefidbakht	Effect	01/07/2014	https://www.ncbi.nlm.nih.gov/pubmed/24886806
80	The protective effect of autophagy on mouse spermatocyte derived cells exposure to 1800MHz radiofrequency electromagnetic radiation	Liu	Effect	04/08/2014	http://www.ncbi.nlm.nih.gov/pubmed/24813634?dopt=Abstract
47	The effects of prenatal exposure to a 900-MHz electromagnetic field on the 21-day-old male rat heart.	Turedi	Effect	28/08/2014	http://www.emf-portal.de/viewer.php?aid=25683&l=e
103	Electromagnetic radiation (Wi-Fi) and epilepsy induce calcium entry and apoptosis through activation of TRPV1 channel in hippocampus and dorsal root ganglion of rats	Ghazizadeh	Effect	01/09/2014	http://www.emf-portal.de/viewer.php?aid=24789&l=e
156	Activation of VEGF/Flk-1-ERK Pathway Induced Blood-Brain Barrier Injury After Microwave Exposure	Wang	Effect	09/09/2014	http://www.ncbi.nlm.nih.gov/pubmed/25195697?dopt=Abstract
53	Effects of mobile phone radiation (900 MHz radiofrequency) on structure and functions of rat brain	Saikhedkar	Effect	01/12/2014	http://www.emf-portal.de/viewer.php?aid=24987&l=e
33	Circadian Rhythmicity of Antioxidant Markers in Rats Exposed to 1.8 GHz Radiofrequency Fields	Cao	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?aid=26534&l=e
26	Exposure to a 900 MHz electromagnetic field for one hour a day over 30 days does change the histopathology and biochemistry of the rat testis	Odacı	Effect	19/03/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26694
20	Can prenatal exposure to a 900 MHz electromagnetic field affect the morphology of the spleen and thymus, and alter biomarkers of oxidative damage in 21-day-old male rats?	Hancı	Effect	19/05/2015	http://www.emf-portal.de/viewer.php?aid=27165&l=e
559	The effect of melatonin on the liver of rats exposed to microwave radiation	Djordjevic	Effect	01/06/2015	https://www.ncbi.nlm.nih.gov/pubmed/25665474
14	The Effects of Melatonin on Oxidative Stress Parameters and DNA Fragmentation in Testicular Tissue of Rats Exposed to Microwave Radiation	Sokolovic	Effect	24/06/2015	http://www.emf-portal.de/viewer.php?aid=28061&l=e
556	Exposure to a 900 MHz electromagnetic field for 1 hour a day over 30 days does change the histopathology and biochemistry of the rat testis.	Odacı	Effect	01/07/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26694

15	Effects of Wi-Fi (2.45 GHz) Exposure on Apoptosis, Sperm Parameters and Testicular Histomorphometry in Rats: A Time Course Study	Shokri	Effect	11/07/2015	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4503846/
1	Low intensity microwave radiation induced oxidative stress, inflammatory response and DNA damage in rat brain	Megha	Effect	25/10/2015	http://www.ncbi.nlm.nih.gov/pubmed/26511840
513	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.	Yuksel	Effect	14/11/2015	http://www.ncbi.nlm.nih.gov/pubmed/26578367?dopt=Abstract
58	Effect of exposure and withdrawal of 900-MHz-electromagnetic waves on brain, kidney and liver oxidative stress and some biochemical parameters in male rats	Ragy	Effect	01/12/2015	http://www.emf-portal.de/viewer.php?aid=24632&l=e
514	Exposure to mobile phone electromagnetic field radiation, ringtone and vibration affects anxiety-like behaviour and oxidative stress biomarkers in albino wistar rats.	Shehu	Effect	01/04/2016	http://www.ncbi.nlm.nih.gov/pubmed/26546224?dopt=Abstract
	Circadian Rhythm Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1792	Evaluation of the Health Impact of the Radio-Frequency Fields from Mobile Telephone	De Seze	Effect	18/07/2001	http://ibe.sagepub.com/content/10/5/284.abstract
1776	The excretion of 6-hydroxymelatonin sulfate in healthy young men exposed to electromagnetic fields emitted by cellular phone -- an experimental study	Bortkiewicz	No Effect	01/04/2002	https://www.ncbi.nlm.nih.gov/pubmed/12019359
1628	Actions of pulsed ultra-broadband electromagnetic irradiation on the EEG and sleep in laboratory animals	Petrova	Effect	01/02/2005	https://www.ncbi.nlm.nih.gov/pubmed/15779329
1948	Does evening exposure to mobile phone radiation affect subsequent melatonin production?	Wood	Uncertain Effect	01/02/2006	https://www.emf-portal.org/en/article/13570
180	A Study in Kuwait of Health Risks Associated with Using Cell Phones	Al-Khamees	Effect	01/03/2007	http://www.freepatentsonline.com/article/College-Student-Journal/161282242.html
1305	2.45 GHz (CW) microwave irradiation alters circadian organization, spatial memory, DNA structure in the brain cells and blood cell counts of male mice, Mus musculus	Chaturvedi	Effect	15/03/2011	https://www.emf-portal.org/en/article/19608
993	Effects of 1800-MHz radiofrequency fields on circadian rhythm of plasma melatonin and testosterone in male rats	Qin	Effect	14/08/2012	http://www.ncbi.nlm.nih.gov/pubmed/22891885
64	Circadian alterations of reproductive functional markers in male rats exposed to 1800 MHz radiofrequency field	Qin	Effect	01/11/2013	http://www.ncbi.nlm.nih.gov/pubmed/24117058
33	Circadian Rhythmicity of Antioxidant Markers in Rats Exposed to 1.8 GHz Radiofrequency Fields	Cao	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?aid=26534&l=e

ORSAA Database Extract Per Bio Effect Category

	Endocrine Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
490	Long-term, low-level microwave irradiation of rats.	Chou	No Effect	01/01/1992	https://www.ncbi.nlm.nih.gov/pubmed/1482413
1582	Uteroplacental circulatory disturbance mediated by prostaglandin f2alpha in rats exposed to microwaves	Nakamura	Effect	01/05/2000	https://www.ncbi.nlm.nih.gov/pubmed/10838124
1453	Inhibitory effects of low doses of melatonin on induction of preneoplastic liver lesions in a medium-term liver bioassay in F344 rats: relation to the influence of electromagnetic near field exposure	Imaida	Effect	01/07/2000	https://www.ncbi.nlm.nih.gov/pubmed/10814886
1272	Toxicologic Study of Electromagnetic Radiation Emitted by Television and Video Display Screens and Cellular Telephones on Chickens and Mice (Mice outcome)	Bastide	Effect	01/01/2001	https://www.emf-portal.org/en/article/24601
1681	Effect of immobilization and concurrent exposure to a pulse-modulated microwave field on core body temperature, plasma ACTH and corticosteroid, and brain ornithine decarboxylase, Fos and Jun mRNA	Stagg	No Effect	01/04/2001	https://www.emf-portal.org/en/article/6387
1907	No effects of pulsed radio frequency electromagnetic fields on melatonin, cortisol, and selected markers of the immune system in man	Radon	No Effect	05/04/2001	https://www.emf-portal.org/en/article/6444
1792	Evaluation of the Health Impact of the Radio-Frequency Fields from Mobile Telephone	De Seze	Effect	18/07/2001	http://ibe.sagepub.com/content/10/5/284.abstract
1776	The excretion of 6-hydroxymelatonin sulfate in healthy young men exposed to electromagnetic fields emitted by cellular phone -- an experimental study	Bortkiewicz	No Effect	01/04/2002	https://www.ncbi.nlm.nih.gov/pubmed/12019359
1777	Influence of a radiofrequency electromagnetic field on cardiovascular and hormonal parameters of the autonomic nervous system in healthy individuals	Braune	No Effect	01/09/2002	https://www.ncbi.nlm.nih.gov/pubmed/12175313?dopt=Abstract
218	Melatonin metabolite excretion among cellular telephone users	Burch	Effect	01/11/2002	http://www.emf-portal.de/viewer.php?aid=9351&l=e
1581	Nonthermal effects of mobile-phone frequency microwaves on uteroplacental functions in pregnant rats	Nakamura	Effect	26/01/2003	https://www.emf-portal.org/en/article/13442
1254	GSM modulated radiofrequency radiation does not affect 6-sulfatoxymelatonin excretion of rats	Bakos	No Effect	01/12/2003	https://www.emf-portal.org/en/article/10368
1607	Biological and morphological effects on the reproductive organ of rats after exposure to electromagnetic field	Ozguner	Effect	01/03/2005	https://www.ncbi.nlm.nih.gov/pubmed/15806208?dopt=Abstract
1504	Effects of 900 MHz electromagnetic field on TSH and thyroid hormones in rats	Koyu	Effect	11/04/2005	https://www.emf-portal.org/en/article/11995

2239	1800 MHz electromagnetic field effects on melatonin release from isolated pineal glands	Sukhotina	Effect	01/01/2006	https://www.emf-portal.org/en/article/12923
1948	Does evening exposure to mobile phone radiation affect subsequent melatonin production?	Wood	Uncertain Effect	01/02/2006	https://www.emf-portal.org/en/article/13570
1816	Effects of a 900 MHz GSM exposure on self-reported symptoms and blood chemistry, an experimental provocation study	Hillert	Uncertain Effect	01/01/2007	http://www.bioelectromagnetics.org/doc/bems2007-abstracts.pdf
1771	The effect of GSM and TETRA mobile handset signals on blood pressure, catechol levels and heart rate variability	Barker	No Effect	01/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17486598
1532	Effects of mobile phone electromagnetic fields at nonthermal SAR values on melatonin and body weight of Djungarian hamsters (Phodopus sungorus)	Lerchl	Effect	25/10/2007	https://www.emf-portal.org/en/article/15273
1203	Effects of Electromagnetic Fields of Cellular Phone on Cortisol and Testosterone	Aghdam	Effect	01/01/2008	https://www.emf-portal.org/en/article/20315
1360	Effects of Electromagnetic Radiation Use on Oxidant/Antioxidant Status and DNA Turn-over Enzyme Activities in Erythrocytes and Heart, Kidney, Liver, and Ovary Tissues From Rats: Possible Protective Role of Vitamin C	Devrim	Effect	01/01/2008	https://www.ncbi.nlm.nih.gov/pubmed/20020924
936	Influence of Electromagnetic Fields Emitted by GSM-900 Cellular Telephones on the Circadian Patterns of Gonadal, Adrenal and Pituitary Hormones in Men	Djeridane	Uncertain Effect	01/02/2008	http://www.ncbi.nlm.nih.gov/pubmed/18302481
1535	Elevation of plasma corticosterone levels and hippocampal glucocorticoid receptor translocation in rats: a potential mechanism for cognition impairment following chronic low-power-density microwave exposure	Li	Effect	01/03/2008	https://www.emf-portal.org/en/article/18399
1670	Chronic non-thermal exposure of modulated 2450 MHz microwave radiation alters thyroid hormones and behavior of male rat	Sinha	Effect	01/06/2008	https://www.emf-portal.org/en/article/16182
393	Alterations in TSH and Thyroid Hormones following Mobile Phone Use	Mortavazi	Effect	01/10/2009	https://www.ncbi.nlm.nih.gov/pubmed/22216380
1330	The effect of electromagnetic radiation in the mobile phone range on the behaviour of the rat.	Daniels	Uncertain Effect	13/10/2009	https://www.emf-portal.org/en/article/17611
492	Effects of mobile phone radiation on serum testosterone in Wistar albino rats	Meo	Effect	01/08/2010	hhttps://www.emf-portal.org/en/article/18557
1236	Pulse modulated 900 MHz radiation induces hypothyroidism and apoptosis in thyroid cells: a light, electron microscopy and immunohistochemical study.	Esmekaya	Effect	01/09/2010	https://www.ncbi.nlm.nih.gov/pubmed/20807179
1730	Short-term exposure to a 1439-MHz TDMA signal exerts no estrogenic effect in rats	Yamashita	No Effect	01/10/2010	https://www.emf-portal.org/en/article/18428

1654	The influence of 950 MHz magnetic field (mobile phone radiation) on sex organ and adrenal functions of male rabbits	Sarookhani	Effect	01/02/2011	https://www.emf-portal.org/en/article/20093
1632	Electromagnetic Field Effect or Simply Stress? Effects of UMTS Exposure on Hippocampal Longterm Plasticity in the Context of Procedure Related Hormone Release	Prochnow	Effect	05/05/2011	https://www.ncbi.nlm.nih.gov/pubmed/21573218
277	Impact of cell phone use on men's semen parameters	Gutschi	Effect	01/10/2011	http://www.ncbi.nlm.nih.gov/pubmed/21951197
1524	The effects of simultaneous combined exposure to CDMA and WCDMA electromagnetic fields on rat testicular function	Lee	No Effect	19/10/2011	https://www.emf-portal.org/en/article/19804
1310	900-MHz microwave radiation promotes oxidation in rat brain.	Kesari	Effect	02/11/2011	https://www.ncbi.nlm.nih.gov/pubmed/22047460
260	How does long term exposure to base stations and mobile phones affect human hormone profiles?	Eskander	Effect	27/11/2011	http://www.ncbi.nlm.nih.gov/pubmed/22138021
1304	The influence of microwave radiation from cellular phone on fetal rat brain.	Jing	Effect	01/03/2012	https://www.ncbi.nlm.nih.gov/pubmed/22268709
1278	Effects of 900MHz radiofrequency on corticosterone, emotional memory and neuroinflammation in middle-aged rats.	Bouji	Effect	01/06/2012	https://www.emf-portal.org/en/article/20531
993	Effects of 1800-MHz radiofrequency fields on circadian rhythm of plasma melatonin and testosterone in male rats	Qin	Effect	14/08/2012	http://www.ncbi.nlm.nih.gov/pubmed/22891885
1484	Evidence for mobile phone radiation exposure effects on reproductive pattern of male rats: role of ROS	Kesari	Effect	01/09/2012	https://www.emf-portal.org/en/article/21125
1608	Effects of exposure to electromagnetic field (1.8/0.9GHz) on testicular function and structure in growing rats	Ozlem Nisbet	Effect	01/10/2012	https://www.ncbi.nlm.nih.gov/pubmed/22130559
674	Effects of simultaneous combined exposure to CDMA and WCDMA electromagnetic fields on serum hormone levels in rats	Jin	No Effect	01/12/2012	http://www.ncbi.nlm.nih.gov/pubmed/23239176
619	Impact of 900 MHz electromagnetic field exposure on main male reproductive hormone levels: a Rattus norvegicus model	Sepehrimanesh	Effect	01/09/2013	http://www.ncbi.nlm.nih.gov/pubmed/24357488?dopt=Abstract
64	Circadian alterations of reproductive functional markers in male rats exposed to 1800 MHz radiofrequency field	Qin	Effect	01/11/2013	http://www.ncbi.nlm.nih.gov/pubmed/24117058
39	Protective role of sesame oil against mobile base station-induced oxidative stress.	Marzook	Effect	01/07/2014	http://www.emf-portal.de/viewer.php?l=e&aid=23921
21	Effects of chronic exposure to 2G and 3G cell phone radiation on mice testis – a randomised controlled trial	Mugunthan	Effect	01/02/2015	https://www.emf-portal.org/en/article/26886
23	Effect of Low-Intensity Microwave Radiation on Monoamine Neurotransmitters and Their Key Regulating Enzymes in Rat Brain	Megha	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26521
33	Circadian Rhythmicity of Antioxidant Markers in Rats Exposed to 1.8 GHz Radiofrequency Fields	Cao	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?aid=26534&l=e
105	The effects of long-term exposure to a 2450 MHz electromagnetic field on growth and pubertal development in female Wistar rats	Sangun	Effect	01/03/2015	http://www.emf-portal.de/viewer.php?l=e&aid=24187

28	Effect of Short-term 900 MHz low level electromagnetic radiation exposure on blood serotonin and glutamate levels	Eris	Effect	01/06/2015	https://www.ncbi.nlm.nih.gov/pubmed/25665475?dopt=Abstract
94	Impact of 2.45 GHz microwave radiation on the testicular inflammatory pathway biomarkers in young rats: The role of gallic acid	Saygin	Effect	13/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26268881
513	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.	Yuksel	Effect	14/11/2015	http://www.ncbi.nlm.nih.gov/pubmed/26578367?dopt=Abstract
58	Effect of exposure and withdrawal of 900-MHz-electromagnetic waves on brain, kidney and liver oxidative stress and some biochemical parameters in male rats	Ragy	Effect	01/12/2015	http://www.emf-portal.de/viewer.php?aid=24632&l=e
	Immune System Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
490	Long-term, low-level microwave irradiation of rats.	Chou	No Effect	01/01/1992	https://www.ncbi.nlm.nih.gov/pubmed/1482413
2180	Non-thermal effects of continuous 2.45 GHz microwaves on Fas-induced apoptosis in human Jurkat T-cell line	Peinnequin	Effect	1/06/2000	https://www.emf-portal.org/en/article/6204
1272	Toxicologic Study of Electromagnetic Radiation Emitted by Television and Video Display Screens and Cellular Telephones on Chickens and Mice (Mice outcome)	Bastide	Effect	1/01/2001	https://www.emf-portal.org/en/article/24601
1681	Effect of immobilization and concurrent exposure to a pulse-modulated microwave field on core body temperature, plasma ACTH and corticosteroid, and brain ornithine decarboxylase, Fos and Jun mRNA	Stagg	No Effect	01/04/2001	https://www.emf-portal.org/en/article/6387
1907	No effects of pulsed radio frequency electromagnetic fields on melatonin, cortisol, and selected markers of the immune system in man	Radon	No Effect	05/04/2001	https://www.emf-portal.org/en/article/6444
1696	Multinucleated giant cell appearance after whole body microwave irradiation of rats	Trosic	Effect	23/05/2001	https://www.ncbi.nlm.nih.gov/pubmed/11759156
1581	Nonthermal effects of mobile-phone frequency microwaves on uteroplacental functions in pregnant rats	Nakamura	Effect	26/01/2003	https://www.emf-portal.org/en/article/13442
2014	Immunotropic effects in cultured human blood mononuclear cells pre-exposed to low-level 1300 MHz pulse-modulated microwave field	Dabrowski	Effect	29/04/2003	https://www.emf-portal.org/en/article/10033
1556	Effect of millimeter waves on cyclophosphamide induced suppression of T cell functions	Makar	Effect	16/06/2003	https://www.ncbi.nlm.nih.gov/pubmed/12820293

1420	Effects of in vivo exposure to GSM-modulated 900 MHz radiation on mouse peripheral lymphocytes.	Gatta	No Effect	01/11/2003	https://www.emf-portal.org/en/article/10429
255	Specific symptoms and radiation from mobile basis stations in Selbitz, Bavaria, Germany: evidence for a dose-effect relationship	Eger	Effect	1/09/2004	http://www.emf-portal.de/viewer.php?l=e&aid=18762
1506	Histochemical Study of Effects of Weak Electromagnetic Field on Structures of the Rat Midbrain	rasnoshchekov	Effect	1/01/2005	https://www.emf-portal.org/en/article/11988
2275	Effect of 900MHz electromagnetic fields on energy metabolism of cerebral cortical neurons in postnatal rat	Wang	Effect	1/03/2005	https://www.ncbi.nlm.nih.gov/pubmed/15952649
1845	Microwave radiation from cellular phones increases allergen-specific IgE production	Kimata	Effect	6/05/2005	https://www.emf-portal.org/en/article/12171
457	Subjective symptoms related to mobile phone use--a pilot study	Szyjkowska	Uncertain Effect	1/10/2005	http://www.ncbi.nlm.nih.gov/pubmed/16379318
1584	Effects of GSM-modulated radiofrequency electromagnetic fields on B-cell peripheral differentiation and antibody production	Nasta	No Effect	02/01/2006	https://www.ncbi.nlm.nih.gov/pubmed/16802866
2260	In vitro effects of GSM modulated radiofrequency fields on human immune cells	Tuschl	No Effect	01/04/2006	https://www.ncbi.nlm.nih.gov/pubmed/16342197
1543	Effect of millimeter wave irradiation on tumor metastasis	Logani	Effect	1/05/2006	https://www.emf-portal.org/en/article/13175
1388	Expression of the immediate early gene, c-fos, in fetal brain after whole of gestation exposure of pregnant mice to global system for mobile communication microwaves	Finnie	No Effect	01/08/2006	https://www.ncbi.nlm.nih.gov/pubmed/16916723
1372	Effects of electromagnetic field produced by mobile phones on the oxidant and antioxidant status of rats	Elhag	Effect	1/12/2007	https://www.emf-portal.org/en/article/16650
1360	Effects of Electromagnetic Radiation Use on Oxidant/Antioxidant Status and DNA Turn-over Enzyme Activities in Erythrocytes and Heart, Kidney, Liver, and Ovary Tissues From Rats: Possible Protective Role of Vitamin C	Devrim	Effect	1/01/2008	https://www.ncbi.nlm.nih.gov/pubmed/20020924
2313	Surface markers and functions of human dendritic cells exposed to mobile phone 1800 MHz electromagnetic fields	Zhou	Effect	1/01/2008	https://www.ncbi.nlm.nih.gov/pubmed/18275116
889	Physiological effects of RF exposure on hypersensitive people by a cell phone	Kim	No Effect	01/08/2008	http://www.emf-portal.de/viewer.php?l=e&aid=16739
1631	Effects of GSM-modulated radiofrequency electromagnetic fields on mouse bone marrow cells	Prisco	No Effect	01/12/2008	https://www.ncbi.nlm.nih.gov/pubmed/19138032
2043	Radioprotective effects of honeybee venom (Apis mellifera) against 915-MHz microwave radiation-induced DNA damage in wistar rat lymphocytes: in vitro study	Gajski	Effect	1/03/2009	https://www.emf-portal.org/en/article/17452
1431	Effects of Selenium and L-Carnitine on Oxidative Stress in Blood of Rat Induced by 2.45-GHz Radiation from Wireless Devices	Gumral	Effect	25/04/2009	https://www.ncbi.nlm.nih.gov/pubmed/19396408
1682	Immunotropic influence of 900 MHz microwave GSM signal on human blood immune cells activated in vitro	Stankiewicz	Effect Positive	7/07/2009	https://www.emf-portal.org/en/article/13731

1295	Antagonistic effect of microwave on hematopoietic damage of mice induced by gamma-ray irradiation.	Cao	Effect	1/09/2009	https://www.ncbi.nlm.nih.gov/pubmed/20137296
1726	Radiation protection and possible mechanisms for low intensity microwave	Xu	Effect Positive	1/09/2009	https://www.ncbi.nlm.nih.gov/pubmed/20137295
1343	A confirmation study of Russian and Ukrainian data on effects of 2450 MHz microwave exposure on immunological processes and teratology in rats	de Gannes	No Effect	01/11/2009	https://www.emf-portal.org/en/article/17481
1426	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	Grigor'ev	Effect	1/01/2010	https://www.ncbi.nlm.nih.gov/pubmed/20297677
1537	Autoimmune processes after long-term low-level exposure to electromagnetic fields (the results of an experiment). Part 5. Impact of the blood serum from rats exposed to low-level electromagnetic fields on pregnancy, foetus and offspring development of intact female rats	Liaginskaia	Effect	1/01/2010	https://www.ncbi.nlm.nih.gov/pubmed/20297678
1389	Microglial activation as a measure of stress in mouse brains exposed acutely (60 minutes) and long-term (2 years) to mobile telephone radiofrequency fields	Finnie,	No Effect	01/02/2010	https://www.emf-portal.org/en/article/17890
1290	Effects of 900-MHz microwave radiation on gamma-ray-induced damage to mouse hematopoietic system	Cao	Effect	24/02/2010	https://www.emf-portal.org/en/article/18115
2293	Relationship between activation of microglia and Jaks phosphorylation induced by microwave irradiation	Yang	Effect	1/06/2010	https://www.ncbi.nlm.nih.gov/pubmed/21033146
2098	Effect of electromagnetic field on endocytosis of cationic solid lipid nanoparticles by human brain-microvascular endothelial cells	Kuo	Effect	7/06/2010	https://www.ncbi.nlm.nih.gov/pubmed/20528098
2133	Chronic 835 MHz radiofrequency exposure to mice hippocampus alters the distribution of calbindin and GFAP immunoreactivity	Maskey	Effect	30/07/2010	https://www.emf-portal.org/en/article/18345
1811	Provocation study using heart rate variability shows microwave radiation from DECT phone affects autonomic nervous system	Havas	Effect	1/10/2010	https://www.emf-portal.org/en/article/18905
1427	Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results	Grigoriev	Effect	1/12/2010	https://www.emf-portal.org/en/article/18632
1460	Autoimmune processes after long-term low-level exposure to electromagnetic fields (the results of an experiment). Part 3. The effect of the long-term non-thermal RF EMF exposure on complement-fixation antibodies against homologenous tissue	Ivanov	Effect	29/03/2011	https://www.ncbi.nlm.nih.gov/pubmed/20297676

1297	A study of neurotoxic biomarkers, c-fos and GFAP after acute exposure to GSM radiation at 900MHz in the picrotoxin model of rat brains	arballo-Quinta	Effect	16/04/2011	https://www.emf-portal.org/en/article/19230
1206	In utero and early-life exposure of rats to a Wi-Fi signal: Screening of immune markers in sera and gestational outcome	Aït-Aïssa	No Effect	13/10/2011	https://www.emf-portal.org/en/article/20086
2132	Calcium-binding proteins and GFAP immunoreactivity alterations in murine hippocampus after 1 month of exposure to 835MHz radiofrequency at SAR values of 1.6 and 4.0W/kg	Maskey	Effect	11/01/2012	https://www.ncbi.nlm.nih.gov/pubmed/22133805
2223	Mobile phone radiation interferes laboratory immunoenzymometric assays: Example chorionic gonadotropin assays	ahbazi-Gahrou	Effect	1/02/2012	https://www.ncbi.nlm.nih.gov/pubmed/22325369
1232	Electromagnetic treatment to old Alzheimer's mice reverses beta-amyloid deposition, modifies cerebral blood flow, and provides selected cognitive benefit.	Arendash	Effect Positive	1/04/2012	https://www.emf-portal.org/en/article/20698
1523	Prenatal exposure to radiofrequencies: Effects of WiFi signals on thymocyte development and peripheral T cell compartment in an animal model.	Laudisi	No Effect	03/05/2012	https://www.emf-portal.org/en/article/20696
641	Microwave radiation induced oxidative stress, cognitive impairment and inflammation in brain of Fischer rats.	Megha	Effect	1/12/2012	http://www.emf-portal.de/viewer.php?aid=23417&l=e
2110	Inhibitory Effects of Microwave Radiation on LPS-Induced NFkappaB Expression in THP-1 Monocytes	Li	Effect	1/12/2012	https://www.ncbi.nlm.nih.gov/pubmed/23286450
153	A new problem in inflammatory bladder diseases: Use of mobile phones	Koca	Effect	1/07/2014	http://www.ncbi.nlm.nih.gov/pubmed/25251956?dopt=Abstract
1037	Self-reporting of symptom development from exposure to radiofrequency fields of wireless smart meters in victoria, australia: a case series.	Lamech	Effect	1/11/2014	http://www.ncbi.nlm.nih.gov/pubmed/25478801
988	Development and evaluation of an electromagnetic hypersensitivity questionnaire for Japanese people.	Hojo	Effect	21/06/2016	http://www.ncbi.nlm.nih.gov/pubmed/27324106
1158	Adverse effects in lumbar spinal cord morphology and tissue biochemistry in Sprague Dawley male rats following exposure to a continuous 1-h a day 900-MHz electromagnetic field throughout adolescence	Kerimoglu	Effect	1/12/2016	https://www.ncbi.nlm.nih.gov/pubmed/27650207?dopt=Abstract
	Cardiovascular System Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1022	Hypersensitivity symptoms associated with exposure to cellular telephones: no causal link	Hietanen	No Effect	02/04/2002	https://www.emf-portal.org/en/article/8759
427	Study of the health of people living in the vicinity of mobile phone base stations: I. Influences of distance and sex	Santini	Effect	01/07/2002	https://www.ncbi.nlm.nih.gov/pubmed/12168254

1581	Nonthermal effects of mobile-phone frequency microwaves on uteroplacental functions in pregnant rats	Nakamura	Effect	26/01/2003	https://www.emf-portal.org/en/article/13442
1829	Radio frequency electromagnetic field exposure in humans: Estimation of SAR distribution in the brain, effects on sleep and heart rate	Huber	Effect	01/05/2003	https://www.ncbi.nlm.nih.gov/pubmed/12696086
401	The Microwave Syndrome: A Preliminary Study in Spain	Navarro	Effect	01/06/2003	http://www.emf-portal.de/viewer.php?aid=13498&l=e
1028	Symptoms experienced by people in vicinity of base stations: II/ Incidences of age, duration of exposure, location of subjects in relation to the antennas and other electromagnetic factors.	Santini	Effect	01/09/2003	http://www.ncbi.nlm.nih.gov/pubmed/12948762
1029	Subjective symptoms reported by people living in the vicinity of cellular phone base stations: review	Bortkiewicz	Effect	01/01/2004	http://www.ncbi.nlm.nih.gov/pubmed/15620045
1931	Cellular phone use does not acutely affect blood pressure or heart rate of humans	Tahvanainen	No Effect	14/01/2004	https://www.emf-portal.org/en/article/10480
404	The microwave syndrome – further aspects of a Spanish study	Oberfeld	Effect	01/05/2004	http://www.apdr.info/electrocontaminacion/Documentos/Investigacion/ESTUDOS%20EPIDEMIOLOXIDOS%20E%20ANTENAS/The%20Microwave%20Syndrome%20-%20Further%20Aspects%20of%20a%20Spanish%20Study.pdf
255	Specific symptoms and radiation from mobile basis stations in Selbitz, Bavaria, Germany: evidence for a dose-effect relationship	Eger	Effect	01/09/2004	http://www.emf-portal.de/viewer.php?l=e&aid=18762
1877	Cardiac Autonomic Activity during Sleep under the Influence of Radiofrequency Electromagnetic Fields	Mann	No Effect	01/11/2005	https://www.emf-portal.org/en/article/13166
1047	Psychophysiological tests and provocation of subjects with mobile phone related symptoms.	Wilen	Uncertain Effect	01/04/2006	http://www.ncbi.nlm.nih.gov/pubmed/16304699
1900	Electromagnetic fields produced by GSM cellular phones and heart rate variability	Parazzini	Effect	26/09/2006	https://www.emf-portal.org/en/article/14215
1760	The application of surface plethysmography for heart rate variability analysis after GSM radiofrequency exposure	Atlasz	No Effect	01/11/2006	https://www.emf-portal.org/en/article/13874
180	A Study in Kuwait of Health Risks Associated with Using Cell Phones	Al-Khamees	Effect	01/03/2007	http://www.freepatentsonline.com/article/College-Student-Journal/161282242.html
1534	Electromagnetic pulses induce fluctuations in blood pressure in rats	Li	Effect	01/06/2007	https://www.ncbi.nlm.nih.gov/pubmed/17487681
259	Development and evaluation of the electromagnetic hypersensitivity questionnaire	Eltiti	Effect	01/07/2007	http://www.ncbi.nlm.nih.gov/pubmed/17013888
1771	The effect of GSM and TETRA mobile handset signals on blood pressure, catechol levels and heart rate variability	Barker	No Effect	01/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17486598

944	Electromagnetic fields produced by incubators influence heart rate variability in newborns	Bellieni	Effect	01/05/2008	https://www.ncbi.nlm.nih.gov/pubmed/18450804
1753	Effect of mobile phone radiation on heart rate variability	Ahamed	Uncertain Effect	01/06/2008	https://www.emf-portal.org/en/article/15982
889	Physiological effects of RF exposure on hypersensitive people by a cell phone	Kim	No Effect	01/08/2008	http://www.emf-portal.de/viewer.php?l=e&aid=16739
284	Apparent decreases in Swedish public health indicators after 1997- Are they due to improved diagnostics or to environmental factors?	Hallberg	Uncertain Effect	01/06/2009	http://www.ncbi.nlm.nih.gov/pubmed/19211231
1950	Analysis of the mobile phone effect on the heart rate variability by using the largest Lyapunov exponent	Yilmaz	Effect	18/06/2009	https://www.ncbi.nlm.nih.gov/pubmed/20703598
1932	The cardiac effects of a mobile phone positioned closest to the heart	Tamer	No Effect	01/10/2009	https://www.emf-portal.org/en/article/17607
338	Symptoms, personality traits, and stress in people with mobile phone-related symptoms and electromagnetic hypersensitivity	Johansson	Effect	01/01/2010	http://www.ncbi.nlm.nih.gov/pubmed/20004299
1945	Do TETRA (Airwave) Base Station Signals Have a Short-Term Impact on Health and Well-Being? A Randomized Double-Blind Provocation Study	Wallace	Uncertain Effect	01/06/2010	https://www.emf-portal.org/en/article/17882
1811	Provocation study using heart rate variability shows microwave radiation from DECT phone affects autonomic nervous system	Havas	Effect	01/10/2010	https://www.emf-portal.org/en/article/18905
1218	Effects of 900 and 1800 MHz Electromagnetic Field Application on Electrocardiogram, Nitric Oxide, Total Antioxidant Capacity, Total Oxidant Capacity, Total Protein, Albumin and Globulin Levels in Guinea Pigs.	Cenesiz	Effect	01/01/2011	http://vetdergi.kafkas.edu.tr/extdocs/2011_3/357-362.pdf
1235	900 MHz pulse-modulated radiofrequency radiation induces oxidative stress on heart, lung, testis and liver tissues.	Esmekaya	Effect	01/03/2011	https://www.ncbi.nlm.nih.gov/pubmed/21460416
779	The pattern of mobile phone use and prevalence of self-reported symptoms in elementary and junior high school students in Shiraz, Iran	Mortazavi	Effect	01/06/2011	http://www.emf-portal.de/viewer.php?l=e&aid=28521
1132	Assessment of intermittent UMTS electromagnetic field effects on blood circulation in the human auditory region using a near-infrared system	Spichtig	Effect	21/06/2011	https://www.emf-portal.org/en/article/20115
1773	Do Mobile Phones Pose a Potential Risk to Autonomic Modulation of the Heart?	Barutcu	No Effect	28/07/2011	https://www.ncbi.nlm.nih.gov/pubmed/21797894
1949	Effects of radiation emitted from mobile phones on short- term heart rate variability parameters	Yildiz	Effect	01/08/2011	https://www.ncbi.nlm.nih.gov/pubmed/22564271
1324	Effects of electromagnetic radiation from 3G mobile phone on heart rate, blood pressure and ECG parameters in rats	Colak	No Effect	01/08/2012	https://www.emf-portal.org/en/article/19761

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1043	Electrosensitivity from a neurological point of view Neuroepidemiology	Griesz-Brisson	Effect	21/11/2013	http://www.karger.com/Article/Pdf/356326
126	Subjective symptoms related to GSM radiation from mobile phone base stations: a cross-sectional study	Gomez-Perretta	Effect	01/12/2013	http://www.emf-portal.de/viewer.php?aid=24069&l=e
160	Changes in mitochondrial functioning with electromagnetic radiation of ultra-high frequency as revealed by electron paramagnetic resonance methods	Burlaka	Effect	01/05/2014	http://www.ncbi.nlm.nih.gov/pubmed/24597749?dopt=Abstract
600	Comparing non-specific physical symptoms in environmentally sensitive patients: prevalence, duration, functional status and illness behavior	Baliatsas	Effect	01/05/2014	http://www.emf-portal.de/viewer.php?aid=24497&l=e
47	The effects of prenatal exposure to a 900-MHz electromagnetic field on the 21-day-old male rat heart.	Turedi	Effect	28/08/2014	http://www.emf-portal.de/viewer.php?aid=25683&l=e
1037	Self-reporting of symptom development from exposure to radiofrequency fields of wireless smart meters in victoria, australia: a case series.	Lamech	Effect	01/11/2014	http://www.ncbi.nlm.nih.gov/pubmed/25478801
17	Effect of Mobile Phone Radiation on Cardiovascular Development of Chick Embryo	Ye	Effect	14/07/2015	http://www.ncbi.nlm.nih.gov/pubmed/26171674?dopt=Abstract
93	Effects of acute exposure to WIFI signals (2.45 GHz) on heart variability and blood pressure in Albinos rabbit	Saili	Effect	02/09/2015	http://www.ncbi.nlm.nih.gov/pubmed/26356390?dopt=Abstract
723	The effects of the duration of mobile phone use on heart rate variability parameters in healthy subjects	Ekici	Effect	07/04/2016	https://www.emf-portal.org/en/article/29347
959	The influence of the call with a mobile phone on heart rate variability parameters in healthy volunteers	Ekici	Effect	07/04/2016	https://www.emf-portal.org/en/article/29347
988	Development and evaluation of an electromagnetic hypersensitivity questionnaire for Japanese people.	Hojo	Effect	21/06/2016	http://www.ncbi.nlm.nih.gov/pubmed/27324106
	Calcium Flux Change Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1414	Effect of amplitude modulated RF radiation on calcium ion efflux and ODC activity in chronically exposed rat brain.	Paulraj	Effect	01/10/1999	https://www.ncbi.nlm.nih.gov/pubmed/10844985
2004	Effects of mobile phone type signals on calcium levels within human leukaemic T-cells (Jurkat cells)	Menezes	No Effect	01/12/2001	https://www.ncbi.nlm.nih.gov/pubmed/11747545
1619	The effect of low level continuous 2.45 GHz waves on enzymes of developing rat brain	Paulraj	Effect	01/01/2002	https://www.emf-portal.org/en/article/9961
1230	Radiofrequency-induced carcinogenesis: cellular calcium homeostasis changes as a triggering factor	Anghileri	Effect	01/03/2005	https://www.ncbi.nlm.nih.gov/pubmed/16019929
1419	Nonthermal effects of radiofrequency-field exposure on calcium dynamics in stem cell-derived neuronal cells: elucidation of calcium pathways.	Rao	Effect	01/03/2008	https://www.ncbi.nlm.nih.gov/pubmed/18302487

2132	Calcium-binding proteins and GFAP immunoreactivity alterations in murine hippocampus after 1 month of exposure to 835MHz radiofrequency at SAR values of 1.6 and 4.0W/kg	Maskey	Effect	11/01/2012	https://www.ncbi.nlm.nih.gov/pubmed/22133805
1377	Melatonin modulates wireless (2.45 GHz)-induced oxidative injury through TRPM2 and voltage gated Ca(2+) channels in brain and dorsal root ganglion in rat.	Nazıroğlu	Effect	01/02/2012	https://www.ncbi.nlm.nih.gov/pubmed/22019785
2153	2.45-Gz Wireless Devices Induce Oxidative Stress and Proliferation Through Cytosolic Ca(2+) Influx in Human Leukemia Cancer Cells	Naziroglu	Effect	02/05/2012	https://www.emf-portal.org/en/article/20481
1378	2.45-Gz wireless devices induce oxidative stress and proliferation through cytosolic Ca^{2+} influx in human leukemia cancer cells.	Nazıroğlu	Effect	01/06/2012	https://www.ncbi.nlm.nih.gov/pubmed/22489926
103	Electromagnetic radiation (Wi-Fi) and epilepsy induce calcium entry and apoptosis through activation of TRPV1 channel in hippocampus and dorsal root ganglion of rats	Ghazizadeh	Effect	01/09/2014	http://www.emf-portal.de/viewer.php?aid=24789&l=e
571	Epilepsy But Not Mobile Phone Frequency (900 MHz) Induces Apoptosis and Calcium Entry in Hippocampus of Epileptic Rat: Involvement of TRPV1 Channels	Nazıroglu	Effect	01/02/2015	http://www.ncbi.nlm.nih.gov/pubmed/25381485?dopt=Abstract
30	Investigation of the effects of distance from sources on apoptosis, oxidative stress and cytosolic calcium accumulation via TRPV1 channels induced by mobile phones and Wi-Fi in breast cancer cells	Cig	Effect	19/02/2015	http://www.emf-portal.de/viewer.php?aid=26606&l=e
	Gene Expression Changes Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
2054	Effects on protein kinase C and gene expression in a human mast cell line, HMC-1, following microwave exposure	Harvey	Effect	01/01/2000	https://www.emf-portal.org/en/article/4178
1985	Apoptosis of human lung carcinoma cell line GLC-82 induced by high power electromagnetic pulse	Cao	Effect	01/09/2002	https://www.ncbi.nlm.nih.gov/pubmed/12508535
2116	The microarray study on the stress gene transcription profile in human retina pigment epithelial cells exposed to microwave radiation	Liu	Effect	01/09/2002	https://www.ncbi.nlm.nih.gov/pubmed/12411184
2188	Influence of high-frequency electromagnetic fields on different modes of cell death and gene expression	Port	No Effect	03/07/2003	https://www.ncbi.nlm.nih.gov/pubmed/14703943
2306	Effects of 2,450 MHz microwave on DNA damage induced by three chemical mutagens in vitro	Zhang	Effect	01/08/2003	https://www.ncbi.nlm.nih.gov/pubmed/14761437
2095	Effects of high frequency electromagnetic fields on micronucleus formation in CHO-K1 cells	Koyama	Effect	10/11/2003	https://www.ncbi.nlm.nih.gov/pubmed/14568297

2012	High frequency electromagnetic fields (GSM signals) affect gene expression levels in tumor suppressor p53-deficient embryonic stem cells	Czyz	Uncertain Effect	01/05/2004	https://www.ncbi.nlm.nih.gov/pubmed/15114639
2094	Effects of 2.45-GHz electromagnetic fields with a wide range of SARs on micronucleus formation in CHO-K1 cells	Koyama	Effect	20/10/2004	https://www.ncbi.nlm.nih.gov/pubmed/15517100
2114	Effect of 900 MHz electromagnetic fields on nonthermal induction of heat-shock proteins in human leukocytes	Lim	No Effect	01/01/2005	https://www.emf-portal.org/en/article/11511
1380	Expression of the immediate early gene, c-fos, in mouse brain after acute global system for mobile communication microwave exposure	Finnie	No Effect	01/06/2005	https://www.ncbi.nlm.nih.gov/pubmed/16175897
1214	Electromagnetic fields at mobile phone frequency induce apoptosis and inactivation of the multi-chaperone complex in human epidermoid cancer cells	Caraglia	Effect	01/08/2005	https://www.ncbi.nlm.nih.gov/pubmed/15754340
2108	2.45 GHz radiofrequency fields alter gene expression in cultured human cells	Lee	Effect	09/08/2005	https://www.ncbi.nlm.nih.gov/pubmed/16107253
1994	Gene expression analysis of a human lymphoblastoma cell line exposed in vitro to an intermittent 1.9 GHz pulse-modulated radiofrequency field	Chauhan	No Effect	01/04/2006	http://pinnacle.allenpress.com/doi/abs/10.1667/RR3531.1?journalCode=rare
2310	Effect of 1.8 GHz radiofrequency electromagnetic fields on the expression of microtubule associated protein 2 in rat neurons	Zhao	Effect	01/04/2006	https://www.ncbi.nlm.nih.gov/pubmed/16701035
1995	Analysis of proto-oncogene and heat-shock protein gene expression in human derived cell-lines exposed in vitro to an intermittent 1.9 GHz pulse-modulated radiofrequency field	Chauhan	No Effect	01/05/2006	https://www.emf-portal.org/en/article/13925
2274	Global gene response to GSM 1800 MHz radiofrequency electromagnetic field in MCF-7 cells	Wang	Uncertain Effect	01/05/2006	https://www.ncbi.nlm.nih.gov/pubmed/16836876
1987	Age-dependent effects of in vitro radiofrequency exposure (mobile phone) on CD95+ T helper human lymphocytes	Capri	Effect	10/05/2006	https://www.ncbi.nlm.nih.gov/pubmed/16804032
743	Exposure of rat brain to 915 MHz GSM microwaves induces changes in gene expression but not double stranded DNA breaks or effects on chromatin conformation	Belyaev	Effect	27/05/2006	http://www.emf-portal.de/viewer.php?l=e&aid=13430
2280	Gene expression does not change significantly in C3H 10T(1/2) cells after exposure to 847.74 CDMA or 835.62 FDMA radiofrequency radiation	Whitehead	No Effect	01/06/2006	https://www.emf-portal.org/en/article/13898
2190	Microarray gene expression profiling of a human glioblastoma cell line exposed in vitro to a 1.9 GHz pulse-modulated radiofrequency field	Qutob	Effect	01/06/2006	https://www.emf-portal.org/en/article/13899

2161	Mobile phone radiation causes changes in gene and protein expression in human endothelial cell lines and the response seems to be genome- and proteome-dependent	Nylund	Effect	28/07/2006	https://www.emf-portal.org/en/article/14052
2196	Gene expression changes in human cells after exposure to mobile phone	Remondini	Effect	28/07/2006	https://www.emf-portal.org/en/article/14041
2281	The number of genes changing expression after chronic exposure to code division multiple access or frequency DMA radiofrequency radiation does not exceed the false-positive rate	Whitehead	No Effect	25/08/2006	https://www.emf-portal.org/en/article/14117
2119	Effects of 1.8 GHz radiofrequency field on DNA damage and expression of heat shock protein 70 in human lens epithelial cells	Lixia	Effect	01/12/2006	https://www.ncbi.nlm.nih.gov/pubmed/17011595
2096	Effects of 2.45 GHz electromagnetic fields with a wide range of SARs on bacterial and HPRT gene mutations	Koyama	Effect	01/01/2007	https://www.ncbi.nlm.nih.gov/pubmed/17179647
817	Exposure to cell phone radiation up-regulates apoptosis genes in primary cultures of neurons and astrocytes.	Zhao	Effect	22/01/2007	https://www.ncbi.nlm.nih.gov/pubmed/17187929
2309	Studying gene expression profile of rat neuron exposed to 1800MHz radiofrequency electromagnetic fields with cDNA microassay	Zhao	Effect	19/03/2007	https://www.emf-portal.org/en/article/14671
1247	Mechanism of short-term ERK activation by electromagnetic fields at mobile phone frequencies.	Friedman	Effect	01/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/17456048
2111	Proteomic analysis of human lens epithelial cells exposed to microwaves	Li	Effect	21/12/2007	https://www.emf-portal.org/en/article/15513
2314	The effect of microwave emission from mobile phones on neuron survival in rat central nervous system	Zhu	Effect	01/01/2008	https://www.researchgate.net/publication/242055963_The_effect_of_microwave_emission_from_mobile_phones_on_neuron_survival_in_rat_central_nervous_system
1616	No evidence of major transcriptional changes in the brain of mice exposed to 1800 MHz GSM signal	Paparini	No Effect	03/01/2008	https://www.emf-portal.org/en/article/15535
2030	Exposure to electromagnetic radiation induces characteristic stress response in human epidermis	Ennamany	Effect	01/03/2008	http://www.jidonline.org/article/S0022-202X(15)33788-X/abstract
1588	Exposure to radiation from global system for mobile communications at 1,800 MHz significantly changes gene expression in rat hippocampus and cortex	Nittby	Effect	15/04/2008	https://www.emf-portal.org/en/article/16176
1496	Local exposure of 849 MHz and 1763 MHz radiofrequency radiation to mouse heads does not induce cell death or cell proliferation in brain	Kim	No Effect	30/06/2008	https://www.emf-portal.org/en/article/16105
2307	Effect of 1.8 GHz radiofrequency electromagnetic fields on gene expression of rat neurons	Zhang	Effect	01/08/2008	https://www.ncbi.nlm.nih.gov/pubmed/19358751

2041	HSP70 expression in human trophoblast cells exposed to different 1.8 Ghz mobile phone signals	Franzellitti	Effect	01/10/2008	https://www.emf-portal.org/en/article/16440
2019	Continuous exposure to 900MHz GSM-modulated EMF alters morphological maturation of neural cells	Del Vecchio	Effect	01/05/2009	https://www.emf-portal.org/en/article/17080
1986	900-MHz microwave radiation enhances gamma-ray adverse effects	Cao	Effect	01/06/2009	https://www.emf-portal.org/en/article/17160
1991	Effect of high-frequency electromagnetic fields on trophoblastic	Cervellati	Effect	01/07/2009	https://www.emf-portal.org/en/article/17161
2073	Characterization of biological effect of 1763 MHz radiofrequency exposure on auditory hair cells	Huang	No Effect	03/07/2009	https://www.emf-portal.org/en/article/16546
2072	Molecular responses of Jurkat T-cells to 1763 MHz radiofrequency radiation	Huang	Effect	03/07/2009	https://www.emf-portal.org/en/article/16424
1382	Expression of the water channel protein, aquaporin-4, in mouse brains exposed to mobile telephone radiofrequency fields	Finnie J	No Effect	01/08/2009	https://www.emf-portal.org/en/article/17038
2051	Cytogenetic effects of exposure to 2.3 GHz radiofrequency radiation on human lymphocytes in vitro	Hansteen	Effect	01/11/2009	https://www.ncbi.nlm.nih.gov/pubmed/20032374
1339	Low-intensity microwave irradiation does not substantially alter gene expression in late larval and adult Caenorhabditis elegans	Dawe	No Effect	01/12/2009	https://www.emf-portal.org/en/article/17197
2040	Transient DNA damage induced by high-frequency electromagnetic fields (GSM 1.8 GHz) in the human trophoblast HTR-8/SVneo cell line evaluated with the alkaline comet assay	Franzellitti	Effect	05/01/2010	https://www.emf-portal.org/en/article/17612
2053	STAT3 signalling pathway is involved in the activation of microglia induced by 2.45 GHz electromagnetic fields	Hao	Effect	13/01/2010	https://www.emf-portal.org/en/article/17876
2076	Classification of Biological Effect of 1,763 MHz Radiofrequency Radiation Based on Gene Expression Profiles	Im	No Effect	01/03/2010	https://www.researchgate.net/publication/232906229_Classification_of_Biological_Effect_of_1763_MHz_Radiofrequency_Radiation_Based_on_Gene_Expression_Profiles
2222	2-GHz Band CW and W-CDMA Modulated Radiofrequency Fields Have No Significant Effect on Cell Proliferation and Gene Expression Profile in Human Cells	Sekijima	No Effect	09/03/2010	https://www.emf-portal.org/en/article/18030
2075	Genome-wide Response of Normal WI-38 Human Fibroblast Cells to 1,763 MHz Radiofrequency Radiation	Im	No Effect	01/04/2010	https://www.researchgate.net/publication/232906227_Genome-wide_Response_of_Normal_WI-38_Human_Fibroblast_Cells_to_1763_MHz_Radiofrequency_Radiation
2200	Human keratinocytes in culture exhibit no response when exposed to short duration, low amplitude, high frequency (900 MHz) electromagnetic fields in a reverberation chamber	Roux	Uncertain Effect	22/12/2010	https://www.emf-portal.org/en/article/18852

2205	Analysis of Gene Expression in a Human-derived Glial Cell Line Exposed to 2.45 GHz Continuous Radiofrequency Electromagnetic Fields	Sakurai	No Effect	01/02/2011	https://www.emf-portal.org/en/article/19038
2257	Cytostatic response of NB69 cells to weak pulse-modulated 2.2 GHz radar-like signals	Trillo	Effect	01/07/2011	https://www.emf-portal.org/en/article/18973
501	Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons	Xu	Effect	22/01/2012	http://www.emf-portal.de/viewer.php?l=e&aid=17674
2088	Analysis of the Cellular Stress Response in MCF10A Cells Exposed to Combined Radio Frequency Radiation	Kim	No Effect	01/03/2012	https://www.emf-portal.org/en/article/20543
2258	Microwave electromagnetic field regulates gene expression in T-lymphoblastoid leukemia CCRF-CEM cell line exposed to 900 MHz	Trivino Pardo	Effect	01/03/2012	https://www.emf-portal.org/en/article/20263
1733	Exposure to 2.45GHz electromagnetic fields elicits an HSP-related stress response in rat hippocampus	Yang	Effect	09/04/2012	https://www.emf-portal.org/en/article/20588
1978	Study of p53 expression and post-transcriptional modifications after GSM-900 radiofrequency exposure of human amniotic cells	Bourthoumieu	No Effect	01/01/2013	https://www.emf-portal.org/en/article/20967
2117	The induction of Epstein-Barr Virus early antigen expression in Raji Cells by GSM mobile phone radiation	Liu	Effect	01/01/2013	https://www.emf-portal.org/en/article/21619
2308	Effects of 1.8 GHz radiofrequency radiation on protein expression in human lens epithelial cells	Zhang	Effect	21/01/2013	https://www.ncbi.nlm.nih.gov/pubmed/23338683
62	Study of Oxidative Stress in Human Lens Epithelial Cells Exposed to 1.8 GHz Radiofrequency Fields	NI	Effect	26/08/2013	http://www.ncbi.nlm.nih.gov/pubmed/23991100?dopt=Abstract
64	Circadian alterations of reproductive functional markers in male rats exposed to 1800 MHz radiofrequency field	Qin	Effect	01/11/2013	http://www.ncbi.nlm.nih.gov/pubmed/24117058
75	Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain	Kesari	Effect	01/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/23949848
147	Neural Cell Apoptosis Induced by Microwave Exposure Through Mitochondria-dependent Caspase-3 Pathway	Zuo	Effect	09/03/2014	http://www.ncbi.nlm.nih.gov/pubmed/24688304?dopt=Abstract
150	Reduction of Phosphorylated Synapsin I (Ser-553) Leads to Spatial Memory Impairment by Attenuating GABA Release after Microwave Exposure in Wistar Rats	Qiao	Effect	01/04/2014	http://www.ncbi.nlm.nih.gov/pubmed/24743689?dopt=Abstract
597	Cell phone use and parotid salivary gland alterations: no molecular evidence	de Souza	No Effect	21/04/2014	http://www.ncbi.nlm.nih.gov/pubmed/24753545?dopt=Abstract
143	MicroRNAs: Novel Mechanism Involved in the Pathogenesis of Microwave Exposure on Rats' Hippocampus	Zhao	Effect	22/04/2014	http://www.ncbi.nlm.nih.gov/pubmed/24748327?dopt=Abstract
89	Exposure to 1800 MHz radiofrequency radiation impairs neurite outgrowth of embryonic neural stem cells	Chen	Effect	01/05/2014	http://www.emf-portal.de/viewer.php?l=e&aid=25033

155	Alteration of glycine receptor immunoreactivity in the auditory brainstem of mice following three months of exposure to radiofrequency radiation at SAR 4.0 W/kg	Maskey	Effect	22/05/2014	http://www.ncbi.nlm.nih.gov/pubmed/24866721
136	Connection between Cell Phone use, p53 Gene Expression in Different Zones of Glioblastoma Multiforme and Survival Prognoses	Akhavan-Sigari	Effect	08/08/2014	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4178273/
82	The effects of mobile phones on apoptosis in cerebral tissue: an experimental study on rats	Yilmaz	Effect	01/09/2014	http://www.ncbi.nlm.nih.gov/pubmed/24763879?dopt=Abstract
156	Activation of VEGF/Flk-1-ERK Pathway Induced Blood-Brain Barrier Injury After Microwave Exposure	Wang	Effect	09/09/2014	http://www.ncbi.nlm.nih.gov/pubmed/25195697?dopt=Abstract
88	Differential Pro-Inflammatory Responses of Astrocytes and Microglia Involve STAT3 Activation in Response to 1800 MHz Radiofrequency Fields	Lu	Effect	01/10/2014	http://www.emf-portal.de/viewer.php?aid=25822&l=e
54	Biochemical Modifications and Neuronal Damage in Brain of Young and Adult Rats After long-term Exposure to Mobile Phone Radiations	Motawi	Effect	01/12/2014	http://www.ncbi.nlm.nih.gov/pubmed/24801773?dopt=Abstract
145	Alterations of cognitive function and 5-HT system in rats after long term microwave exposure	Li	Effect	24/12/2014	http://www.emf-portal.de/viewer.php?aid=26303&l=e
31	Exposure to 900 MHz electromagnetic fields activates the mkp-1/ERK pathway and causes blood-brain barrier damage and cognitive impairment in rats	Tang	Effect	15/01/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26411
43	Long term and excessive use of 900 MHz radiofrequency radiation alter microRNA expression in brain	Dasdag	Effect	27/01/2015	http://www.ncbi.nlm.nih.gov/pubmed/25529971?dopt=Abstract
146	Effects of Pulsed 2.856 GHz Microwave Exposure on BM-MSCs Isolated from C57BL/6 Mice	Wang	Effect	06/02/2015	http://www.ncbi.nlm.nih.gov/pubmed/25658708?dopt=Abstract
23	Effect of Low-Intensity Microwave Radiation on Monoamine Neurotransmitters and Their Key Regulating Enzymes in Rat Brain	Megha	Effect	12/02/2015	http://www.emf-portal.de/viewer.php?l=e&aid=26521
96	Effects of 2.4 Ghz radiofrequency radiation emitted from wi-fi equipment on microRNA expression in brain tissue	Dasdag	Effect	16/03/2015	http://www.ncbi.nlm.nih.gov/pubmed/25775055?dopt=Abstract
729	1950 MHz Electromagnetic Fields Ameliorate Aβ Pathology in Alzheimer's Disease Mice	Jeong	Effect	21/03/2015	http://www.ncbi.nlm.nih.gov/pubmed/26017559
19	In vitro effect of cell phone radiation on motility, DNA fragmentation and clusterin gene expression in human sperm	Zalata	Effect	21/04/2015	http://www.emf-portal.de/viewer.php?aid=26969&l=e
18	Possible cause for altered spatial cognition of prepubescent rats exposed to chronic radiofrequency electromagnetic radiation	Narayanan	Effect	22/05/2015	http://www.emf-portal.de/viewer.php?aid=27297&l=e
9	The Screening of Genes Sensitive to Long-Term, Low-Level Microwave Exposure and Bioinformatic Analysis of Potential Correlations to Learning and Memory	Zhao	Effect	01/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26383594?dopt=Abstract

5	Protective effect of Liuweidihuang Pills against cellphone electromagnetic radiation-induced histomorphological abnormality, oxidative injury, and cell apoptosis in rat testes	Ma	Effect	02/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26442304?dopt=Abstract
11	Electromagnetic radiation at 900 MHz induces sperm apoptosis through bcl-2, bax and caspase-3 signalling pathways in rats	Liu	Effect	04/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26239320?dopt=Abstract
94	Impact of 2.45 GHz microwave radiation on the testicular inflammatory pathway biomarkers in young rats: The role of gallic acid	Saygin	Effect	13/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26268881
144	Microwave-Induced Structural and Functional Injury of Hippocampal and PC12 Cells Is Accompanied by Abnormal Changes in the NMDAR-PSD95-CaMKII Pathway	Wang	Effect	25/08/2015	http://www.ncbi.nlm.nih.gov/pubmed/26337368?dopt=Abstract
99	Exposure to non-ionizing radiation provokes changes in rat thyroid morphology and expression of HSP-90	Misa-Agustiño	Effect	01/09/2015	http://www.ncbi.nlm.nih.gov/pubmed/25649190?dopt=Abstract
1237	Does MW Radiation Affect Gene Expression, Apoptotic Level, and Cell Cycle Progression of Human SH-SY5Y Neuroblastoma Cells?	Kayhan	Effect	03/06/2016	https://www.ncbi.nlm.nih.gov/pubmed/27260669
2353	Long-term exposure to 835 MHz RF-EMF induces hyperactivity, autophagy and demyelination in the cortical neurons of mice	Kim	Effect	20/01/2017	https://www.ncbi.nlm.nih.gov/pubmed/28106136
2028	Is gene activity in plant cells affected by UMTS-irradiation? A whole genome	Engelmann	Effect		https://www.emf-portal.org/en/article/16545
	Brain Wave Changes Papers				
PaperID	**Title**	**MainAuthors**	**Effect**	**Date_Pub**	**Web Link**
1800	Microwaves emitted by cellular telephones affect human slow brain potentials	Freude	Effect	01/01/2000	https://www.ncbi.nlm.nih.gov/pubmed/10552262
1863	Cellular phone electromagnetic field effects on bioelectric activity of human brain	Lebedeva	Effect	01/01/2000	https://www.emf-portal.org/en/article/5106
1814	Human brain activity during exposure to radiofrequency fields emitted by cellular phones	Hietanen	Uncertain Effect	01/04/2000	https://www.ncbi.nlm.nih.gov/pubmed/10817372
1461	Effect of modified SHF and acoustic stimulation on spectral characteristics of the electroencephalograms of the cat brain	Ivanova	Effect	01/09/2000	https://www.ncbi.nlm.nih.gov/pubmed/11094726
1828	Exposure to pulsed high-frequency electromagnetic field during waking affects human sleep EEG	Huber	Effect	20/10/2000	https://www.ncbi.nlm.nih.gov/pubmed/11059895
1944	Human sleep EEG under the influence of pulsed radio frequency electromagnetic fields. Results from polysomnographies using submaximal high power flux densities	Wagner	No Effect	01/11/2000	https://www.emf-portal.org/en/article/5336
1862	Investigation of brain potentials in sleeping humans exposed to the electromagnetic field of mobile phones	Lebedeva	Effect	01/02/2001	https://www.ncbi.nlm.nih.gov/pubmed/11321644
1792	Evaluation of the Health Impact of the Radio-Frequency Fields from Mobile Telephone	De Seze	Effect	18/07/2001	http://ibe.sagepub.com/content/10/5/284.abstract

1784	Can the Q Link Ally, a form of Sympathetic Resonance Technology (SRT), attenuate acute mobile phone-related changes to neural function?	Croft	Effect	01/08/2002	https://www.ncbi.nlm.nih.gov/pubmed/12230903
1783	Acute mobile phone operation affects neural function in humans	Croft	Effect	01/10/2002	https://www.ncbi.nlm.nih.gov/pubmed/12350439
1830	Electromagnetic fields, such as those from mobile phones, alter regional cerebral blood flow and sleep and waking EEG	Huber	Effect	11/12/2002	https://www.ncbi.nlm.nih.gov/pubmed/12464096
1829	Radio frequency electromagnetic field exposure in humans: Estimation of SAR distribution in the brain, effects on sleep and heart rate	Huber	Effect	01/05/2003	https://www.ncbi.nlm.nih.gov/pubmed/12696086
1559	Nonlinear changes in brain electrical activity due to cell phone radiation	Marino	Effect	01/07/2003	https://www.ncbi.nlm.nih.gov/pubmed/12820291
1851	Effects of high-frequency electromagnetic fields on human EEG: a brain mapping study	Kramarenko	Effect	01/07/2003	https://www.emf-portal.org/en/article/10077
1791	Human brain wave activity during exposure to radiofrequency field emissions from mobile phones	D'Costa	Effect	01/12/2003	https://www.ncbi.nlm.nih.gov/pubmed/14995060
1852	Effects of electromagnetic field emitted by cellular phones on the EEG during an auditory memory task: a double blind replication study	Krause	Effect	22/12/2003	https://www.emf-portal.org/en/article/3600
1809	Examining the effects of electromagnetic fields emitted by GSM mobile phones on human event-related potentials and performance during an auditory task	Hamblin	Effect	01/01/2004	https://www.ncbi.nlm.nih.gov/pubmed/14706485
1874	Analysis of auditory evoked potential parameters in the presence of radiofrequency fields using a support vector machines method	Maby	Effect	01/07/2004	https://www.emf-portal.org/en/article/11230
1716	Repeated exposure to low-level extremely low frequency-modulated microwaves affects baseline and scopolamine-modified electroencephalograms in freely moving rats	Vorobyov	Effect	01/09/2004	https://www.emf-portal.org/en/article/13578
1825	Changes in human EEG caused by low level modulated microwave stimulation	Hinrikus	Uncertain Effect	01/09/2004	https://www.ncbi.nlm.nih.gov/pubmed/15300729
1896	Gender related differences on the EEG during a simulated mobile phone signal	Papageorgiou	Effect	01/11/2004	https://www.ncbi.nlm.nih.gov/pubmed/15538195
1761	Non-linear analysis of the electroencephalogram for detecting effects of low-level electromagnetic fields	Bachmann	No Effect	01/01/2005	https://www.emf-portal.org/en/article/11657
1628	Actions of pulsed ultra-broadband electromagnetic irradiation on the EEG and sleep in laboratory animals	Petrova	Effect	01/02/2005	https://www.ncbi.nlm.nih.gov/pubmed/15779329
1817	Human Sleep Under the Influence of a GSM 1800 Electromagnetic Far Field	Hinrichs	Uncertain Effect	11/04/2005	https://www.emf-portal.org/en/article/12855
1943	The Influence of All-Night Exposure to Pulsed Radiofrequency Electromagnetic Fields on Human Sleep	Wagner	Effect	11/04/2005	https://www.emf-portal.org/en/article/13164

1873	Effects of GSM signals on auditory evoked responses	Maby	Effect	10/05/2005	https://www.emf-portal.org/en/article/11903
1787	Is the brain influenced by a phone call? An EEG study of resting wakefulness	Curcio	Effect	15/08/2005	https://www.ncbi.nlm.nih.gov/pubmed/16102863?dopt=Abstract
1868	The effect of electromagnetic fields emitted by mobile phones on human sleep	Loughran	Effect	01/11/2005	https://www.ncbi.nlm.nih.gov/pubmed/16272890
1877	Cardiac Autonomic Activity during Sleep under the Influence of Radiofrequency Electromagnetic Fields	Mann	No Effect	01/11/2005	https://www.emf-portal.org/en/article/13166
1762	Effect of 450 MHz Microwave Modulated with 217 Hz on Human EEG in Rest	Bachmann	Effect	01/12/2005	https://www.emf-portal.org/en/article/13407
1769	New Device Against Non-Thermal Effects from Mobile Telephones	Bardasano	Effect	01/12/2005	http://link.springer.com/article/10.1007/s10669-005-4292-8
1820	Non-Thermal Effect of Microwave Radiation on Human Brain	Hinrikus	Effect	01/12/2005	https://www.researchgate.net/publication/227317313_Non-Thermal_Effect_of_Microwave_Radiation_on_Human_Brain
1886	Influence of the Interaction of a 900 MHz Signal with Gender on EEG Energy: Experimental Study on the Influence of 900 MHz Radiation on EEG	Nanou	Effect	01/12/2005	https://www.emf-portal.org/en/article/13408
1818	High frequency GSM-1800 fields with various modulations and field strengths: No short term effect on human awake EEG	Hinrichs	Uncertain Effect	01/01/2006	https://www.emf-portal.org/en/article/16290
1808	The sensitivity of human event-related potentials and reaction time to mobile phone emitted electromagnetic fields	Hamblin	No Effect	25/01/2006	https://www.ncbi.nlm.nih.gov/pubmed/16437544
1872	Short-term effects of GSM mobiles phones on spectral components of the human electroencephalogram	Maby	Effect	01/08/2006	https://www.emf-portal.org/en/article/15056
1764	Integration of differences in EEG analysis reveals changes in human EEG	Bachmann	Effect	30/08/2006	https://www.ncbi.nlm.nih.gov/pubmed/17946053
1801	Effects of short- and long-term pulsed radiofrequency electromagnetic fields on night sleep and cognitive functions in healthy subjects	Fritzer	No Effect	01/05/2007	https://www.emf-portal.org/en/article/14448
1908	Pulsed radio frequency radiation affects cognitive performance and the waking electroencephalogram	Regel	Effect	01/05/2007	https://www.emf-portal.org/en/article/14680
1832	Mobile phone 'talk-mode' signal delays EEG-determined sleep onset	Hung	Effect	21/06/2007	https://www.ncbi.nlm.nih.gov/pubmed/17548154
1763	Modulated microwave effects on individuals with depressive disorder	Bachmann	Effect	29/07/2007	http://link.springer.com/article/10.1007/s10669-007-9068-x
1910	Pulsed radio-frequency electromagnetic fields: dose-dependent effects on sleep, the sleep EEG and cognitive performance	Regel	Effect	17/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/17716273

1765	Adaptation of human brain bioelectrical activity to low-level microwave	Bachmann	Effect	22/08/2007	https://www.ncbi.nlm.nih.gov/pubmed/18003066
184	Electroencephalographic, personality, and executive function measures associated with frequent mobile phone use	Arns	Uncertain Effect	01/09/2007	http://www.emf-portal.de/viewer.php?aid=14944&l=e
1785	The effect of mobile phone electromagnetic fields on the alpha rhythm of human electroencephalogram	Croft	Effect	04/09/2007	https://www.ncbi.nlm.nih.gov/pubmed/17786925
1904	Comparison of the effects of continuous and pulsed mobile phone like RF exposure on the human EEG	Perentos	No Effect	03/10/2007	https://www.emf-portal.org/en/article/15676
1770	EEG bioeffects on cochlear deaf from cellular phones	Bardasano	Effect	01/12/2007	https://www.emf-portal.org/en/article/15811
1927	Effect of Microwave Radiation on EEG Coherence	Suhhova	Effect	01/01/2008	https://www.emf-portal.org/en/article/17378
1847	Effects of weak mobile phone - electromagnetic fields (GSM, UMTS) on event related potentials and cognitive functions	Kleinlogel	No Effect	17/04/2008	https://www.ncbi.nlm.nih.gov/pubmed/18421712
1846	Effects of weak mobile phone - electromagnetic fields (GSM, UMTS) on well-being and resting EEG	Kleinlogel	No Effect	22/04/2008	https://www.emf-portal.org/en/article/15939
1823	Effect of low frequency modulated microwave exposure on human EEG: individual sensitivity	Hinrikus	Effect	01/05/2008	https://www.ncbi.nlm.nih.gov/pubmed/18452168
1827	The spectral power coherence of the EEG under different EMF conditions	Hountala	Effect	22/08/2008	https://www.ncbi.nlm.nih.gov/pubmed/18577422
1133	EMF-protection sleep study near mobile phone base stations.	Leitgeb	No Effect	01/09/2008	http://link.springer.com/article/10.1007/s11818-008-0353-9
1924	Effects of twenty-minute 3G mobile phone irradiation on event related potential components and early gamma synchronization in auditory oddball paradigm	Stefanics	No Effect	01/11/2008	https://www.emf-portal.org/en/article/16445
1544	The action of pulse-modulated GSM radiation increases regional changes in brain activity and c-Fos expression in cortical and subcortical areas in a rat model of picrotoxin-induced seizure proneness	Lopez	Effect	29/12/2008	https://www.emf-portal.org/en/article/16675
1895	Effects of wi-fi signals on the p300 component of event-related potentials during an auditory hayling task	Papageorgiou	Effect	07/02/2009	https://www.emf-portal.org/en/article/19391
1887	Influence of a 1,800 MHz electromagnetic field on the EEG energy	Nanou	Effect	14/02/2009	https://www.emf-portal.org/en/article/17308
1379	Modulator effects of L-carnitine and selenium on wireless devices (2.45 GHz)-induced oxidative stress and electroencephalography records in brain of rat.	Nazıroglu	Effect	29/04/2009	https://www.ncbi.nlm.nih.gov/pubmed/19637079
1822	Effect of modulated at different low frequencies microwave radiation on human EEG	Hinrikus	Effect	01/06/2009	https://www.emf-portal.org/en/article/17310
1928	Effect of modulated microwave radiation on human EEG asymmetry	Suhhova	Effect	01/06/2009	https://www.emf-portal.org/en/article/17309

1538	Using the nonlinear control of anaesthesia-induced hypersensitivity of EEG at burst suppression level to test the effects of radiofrequency radiation on brain function	Lipping	No Effect	01/07/2009	https://www.emf-portal.org/en/article/17303
775	Mobile phone effects on children's event-related oscillatory EEG during an auditory memory task	Krause	Uncertain Effect	03/07/2009	https://www.emf-portal.org/en/article/14007
1824	Effect of 7, 14 and 21 Hz modulated 450 MHz microwave radiation on human electroencephalographic rhythms	Hinrikus	Effect	03/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/18058332
1854	Effects of electromagnetic fields emitted by cellular phones on the electroencephalogram during a visual working memory task	Krause	Effect	03/07/2009	https://www.ncbi.nlm.nih.gov/pubmed/11133048
1793	Mobile phones exposure induces changes of contingent negative variation in humans	de Tommaso	Effect	23/10/2009	https://www.ncbi.nlm.nih.gov/pubmed/19699778
1942	Mobile phone emission increases inter-hemispheric functional coupling of electroencephalographic alpha rhythms in epileptic patients	Vecchio	Effect	11/12/2009	https://www.emf-portal.org/en/article/17812
1941	Mobile phone emission modulates event-related desynchronization of alpha rhythms and cognitive-motor performance in healthy humans	Vecchio	Uncertain Effect	01/01/2010	https://www.emf-portal.org/en/article/19568
1940	Mobile phone emission modulates inter-hemispheric functional coupling of EEG alpha rhythms in elderly compared to young subjects	Vecchio	Effect	01/02/2010	https://www.emf-portal.org/en/article/17812
808	Effects of 2G and 3G mobile phones on human alpha rhythms: Resting EEG in adolescents, young adults, and the elderly	Croft	No Effect	28/04/2010	https://www.emf-portal.org/en/article/18143
812	Repeated exposure to low-level extremely low frequency-modulated microwaves affects cortex-hypothalamus interplay in freely moving rats: EEG study	Vorobyov	Effect	01/05/2010	http://www.emf-portal.de/viewer.php?l=e&aid=18123
1758	Principal component analysis of the P600 waveform: RF and gender effects	Maganioti	Effect	01/06/2010	https://www.emf-portal.org/en/article/18161
1084	Do mobile phone base stations affect sleep of residents? Results from an experimental double-blind sham-controlled field study	Danker-Hopfe	No Effect	01/09/2010	http://www.ncbi.nlm.nih.gov/pubmed/20737608
1869	Dependence of the non-thermal radiofrequency electromagnetic field bioeffects on the typological features of electroencephalogram in humans	Luk'ianova	Effect	01/11/2010	https://www.ncbi.nlm.nih.gov/pubmed/21434398
861	Effects of 2G and 3G mobile phones on performance and electrophysiology in adolescents, young adults and older adults	Leung	Effect	12/05/2011	http://www.emf-portal.de/viewer.php?aid=19277&l=e
1867	Individual differences in the effects of mobile phone exposure on human sleep: Rethinking the problem	Loughran	Effect	03/08/2011	https://www.emf-portal.org/en/article/19475

1377	Melatonin modulates wireless (2.45 GHz)-induced oxidative injury through TRPM2 and voltage gated Ca(2+) channels in brain and dorsal root ganglion in rat.	Nazıroğlu	Effect	01/02/2012	https://www.ncbi.nlm.nih.gov/pubmed/22019785
1936	No effects of a single 3G UMTS mobile phone exposure on spontaneous EEG activity, ERP correlates, and automatic deviance detection	Trunk	No Effect	04/06/2012	https://www.emf-portal.org/en/article/20831
856	Sleep EEG alterations: effects of different pulse-modulated radio frequency electromagnetic fields	Schmid	Uncertain Effect	22/06/2012	http://www.emf-portal.de/viewer.php?l=e&aid=20939
90	Non- thermal continuous and modulated electromagnetic radiation fields effects on sleep EEG of rats	Mohammed	Effect	25/06/2012	http://www.ncbi.nlm.nih.gov/pubmed/25685416
1935	Mobile phone emissions modulate brain excitability in patients with focal epilepsy	Tombini	Effect	11/08/2012	https://www.ncbi.nlm.nih.gov/pubmed/22889717?dopt=Abstract
1929	Effect of microwave radiation on human EEG at two different levels of exposure	Suhhova	Effect	31/12/2012	https://www.ncbi.nlm.nih.gov/pubmed/23280729
669	The alpha band of the resting electroencephalogram under pulsed and continuous radio frequency exposures	Perentos	Uncertain Effect	01/01/2013	http://www.emf-portal.de/viewer.php?aid=21710&l=e
666	No increased sensitivity in brain activity of adolescents exposed to mobile phone-like emissions	Loughran	No Effect	01/02/2013	http://www.ncbi.nlm.nih.gov/pubmed/23428307?dopt=Abstract
71	Stimulation of the brain with radiofrequency electromagnetic field pulses affects sleep-dependent performance improvement negatively	Lustenberger	Effect	24/02/2013	http://www.ncbi.nlm.nih.gov/pubmed/23482083?dopt=Abstract
1043	Electrosensitivity from a neurological point of view Neuroepidemiology	Griesz-Brisson	Effect	21/11/2013	http://www.karger.com/Article/Pdf/356326
636	Effects of electromagnetic fields emitted from W-CDMA-like mobile phones on sleep in humans	akatani-Enomo	No Effect	01/12/2013	https://www.emf-portal.org/en/article/23426
145	Alterations of cognitive function and 5-HT system in rats after long term microwave exposure	Li	Effect	24/12/2014	http://www.emf-portal.de/viewer.php?aid=26303&l=e
36	Radiofrequency signal affects alpha band in resting electroencephalogram	Ghosn	Effect	18/02/2015	http://www.ncbi.nlm.nih.gov/pubmed/25695646?dopt=Abstract
16	Does the brain detect 3G mobile phone radiation peaks? An exploitative in-depth analysis of an experimental study	Roggeveen	Effect	11/05/2015	http://www.ncbi.nlm.nih.gov/pubmed/25962168?dopt=Abstract
733	Does the Brain Detect 3G Mobile Phone Radiation Peaks? An Explorative In-Depth Analysis of an Experimental Study	Roggeveen	Effect	11/05/2015	http://www.emf-portal.de/viewer.php?l=e&aid=27090
509	No Effects of Acute Exposure to Wi-Fi Electromagnetic Fields on Spontaneous EEG Activity and Psychomotor Vigilance in Healthy Human Volunteers	Zentai	No Effect	01/12/2015	http://www.ncbi.nlm.nih.gov/pubmed/26600173
845	Does chronic exposure to mobile phones affect cognition?	Mohan	No Effect	08/03/2016	http://www.emf-portal.de/viewer.php?l=e&aid=28999

2319	Trigeminal neurons detect cellphone radiation: Thermal or nonthermal is not the question	Marino	Effect	15/07/2016	https://www.ncbi.nlm.nih.gov/pubmed/27419655
1798	Mechanism of low-level microwave radiation effect on nervous system	Hinrikus	Effect	22/11/2016	https://www.ncbi.nlm.nih.gov/pubmed/27874295