Mats-Olof Mattsson

List of Publications by Year
in descending order

31 papers	1,202 citations	516710 16 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	1692 citing authors

#	Article	IF	Citations
1	5G New Radio Requires the Best Possible Risk Assessment Studies: Perspective and Recommended Guidelines. Frontiers in Communications and Networks, 2021, 2, .	3.0	8
2	5G Wireless Communication and Health Effectsâ€"A Pragmatic Review Based on Available Studies Regarding 6 to 100 GHz. International Journal of Environmental Research and Public Health, 2019, 16, 3406.	2.6	131
3	Activation of the intracellular temperature and ROS sensor membrane protein STIM1 as a mechanism underpinning biological effects of low-level low frequency magnetic fields. Medical Hypotheses, 2019, 122, 68-72.	1.5	7
4	Is there a Biological Basis for Therapeutic Applications of Millimetre Waves and THz Waves?. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 863-878.	2.2	24
5	Immune-Modulating Perspectives for Low Frequency Electromagnetic Fields in Innate Immunity. Frontiers in Public Health, 2018, 6, 85.	2.7	33
6	The changing face of nanomaterials: Risk assessment challenges along the value chain. Regulatory Toxicology and Pharmacology, 2017, 84, 105-115.	2.7	25
7	Cellular Response to ELF-MF and Heat: Evidence for a Common Involvement of Heat Shock Proteins?. Frontiers in Public Health, 2017, 5, 280.	2.7	17
8	Pooling and Analysis of Published in Vitro Data: A Proof of Concept Study for the Grouping of Nanoparticles. International Journal of Molecular Sciences, 2015, 16, 26211-26236.	4.1	9
9	Grouping of Experimental Conditions as an Approach to Evaluate Effects of Extremely Low-Frequency Magnetic Fields on Oxidative Response in in vitro Studies. Frontiers in Public Health, 2014, 2, 132.	2.7	55
10	EMF Monitoringâ€"Concepts, Activities, Gaps and Options. International Journal of Environmental Research and Public Health, 2014, 11, 9460-9479.	2.6	41
11	Interactions Between Nanosized Materials and the Brain. Current Medicinal Chemistry, 2014, 21, 4200-4214.	2.4	46
12	Is there a relation between extremely low frequency magnetic field exposure, inflammation and neurodegenerative diseases? A review of in vivo and in vitro experimental evidence. Toxicology, 2012, 301, 1-12.	4.2	56
13	Effects of 50-Hz magnetic field exposure on superoxide radical anion formation and HSP70 induction in human K562 cells. Radiation and Environmental Biophysics, 2010, 49, 731-741.	1.4	63
14	Risks from accidental exposures to engineered nanoparticles and neurological health effects: A critical review. Particle and Fibre Toxicology, 2010, 7, 42.	6.2	148
15	Exposure to ELF magnetic fields modulate redox related protein expression in mouse macrophages. Toxicology Letters, 2010, 192, 330-336.	0.8	50
16	Background ELF magnetic fields in incubators: A factor of importance in cell culture work. Cell Biology International, 2009, 33, 755-757.	3.0	18
17	Possible effects of Electromagnetic Fields (EMF) on Human Health - Opinion of the Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR). Toxicology, 2008, 246, 248-250.	4.2	149
18	Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: Possible immune cell activation. Journal of Cellular Biochemistry, 2004, 93, 83-92.	2.6	187

#	Article	IF	Citations
19	Mobile telephones and cancer: is there really no evidence of an association? (review). International Journal of Molecular Medicine, 2003, 12, 67-72.	4.0	33
20	INABILITY OF 50HZ MAGNETIC FIELDS TO REGULATE PKC- AND CA2+-DEPENDENT GENE EXPRESSION IN JURKAT CELLS. Cell Biology International, 2002, 26, 203-209.	3.0	5
21	[Ca2+]iRISE IN JURKAT E6-1 CELL LINES FROM DIFFERENT SOURCES AS A RESPONSE TO 50Hz MAGNETIC FIELD EXPOSURE IS A REPRODUCIBLE EFFECT AND INDEPENDENT OF POLY- ? -LYSINE TREATMENT. Cell Biology International, 2001, 25, 901-907.	3.0	17
22	Expression pattern of glutamate decarboxylase (GAD) in the developing cortex of the embryonic chick brain. International Journal of Developmental Neuroscience, 1997, 15, 127-137.	1.6	7
23	Ornithine decarboxylase activity and polyamine levels are different in Jurkat and CEM-CM3 cells after exposure to a 50 Hz magnetic field. Bioelectrochemistry, 1997, 43, 169-172.	1.0	15
24	Differences in the release ofl-glutamate andd-aspartate from primary neuronal chick cultures. Neurochemical Research, 1996, 21, 79-85.	3.3	0
25	Two Glutamate Decarboxylase Forms Corresponding to the Mammalian GAD65and GAD67are Expressed During Development of the Chick Telencephalon. European Journal of Neuroscience, 1996, 8, 2111-2117.	2.6	20
26	Morphological and GABA-immunoreactive development of the embryonic chick telencephalon. International Journal of Developmental Neuroscience, 1995, 13, 463-472.	1.6	12
27	On the activity of ?-aminobutyric acid and glutamate transporters in chick embryonic neurons and rat synaptosomes. Neurochemical Research, 1992, 17, 333-337.	3.3	9
28	Inhibition of transporter mediated ?-aminobutyric acid (GABA) release by SKF 89976-A, a GABA uptake inhibitor, studied in a primary neuronal culture from chicken. Neurochemical Research, 1992, 17, 577-584.	3.3	10
29	Factors involved in the formation and stabilization of cell aggregates obtained from amphibian embryonic explants. Cell Differentiation, 1988, 23, 69-76.	0.4	2
30	Autoneuralization in the Amphibian Ectoderm -A Species-Specific and Stage-Specific Phenomenon. Pathobiology, 1987, 55, 145-151.	3.8	0
31	Cyclic AMP and Cell Differentiation in Amphibian Embryonic Explants. Pathobiology, 1986, 54, 106-111.	3.8	0