

Leena H Korpinen

List of Publications by Year in descending order

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83
papers

696
citations

567281

15
h-index

610901

24
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84
all docs

84
docs citations

84
times ranked

707
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar Radiation Exposure and Outdoor Work: An Underestimated Occupational Risk. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2063.	2.6	125
2	Upper limb musculoskeletal disorders in healthcare personnel. <i>Ergonomics</i> , 2014, 57, 1166-1191.	2.1	43
3	Influence of 50 Hz electric and magnetic fields on the human heart. <i>Bioelectromagnetics</i> , 1993, 14, 329-340.	1.6	40
4	Self-reported physical symptoms associated with using mobile phones and other electrical devices. <i>Bioelectromagnetics</i> , 2009, 30, 431-437.	1.6	37
5	Self-reported neck symptoms and use of personal computers, laptops and cell phones among Finns aged 18-65. <i>Ergonomics</i> , 2013, 56, 1134-1146.	2.1	34
6	Influence of 50 Hz electric and magnetic fields on the pulse rate of human heart. <i>Bioelectromagnetics</i> , 1994, 15, 503-512.	1.6	32
7	Cardiac Pacemakers in Electric and Magnetic Fields of 400 kV Power Lines. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012, 35, 422-430.	1.2	25
8	Exposure to biological and chemical agents at biomass power plants. <i>Biomass and Bioenergy</i> , 2016, 93, 78-86.	5.7	25
9	Evaluation of current densities and total contact currents in occupational exposure at 400 kV substations and power lines. <i>Bioelectromagnetics</i> , 2009, 30, 231-240.	1.6	21
10	Occupational Exposure to Electric and Magnetic Fields While Working at Switching and Transforming Stations of 110 kV. <i>Annals of Occupational Hygiene</i> , 2011, 55, 526-36.	1.9	21
11	A questionnaire on the health effects of new technical equipment. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 105-114.	2.6	18
12	Accidents and close call situations connected to the use of mobile phones. <i>Accident Analysis and Prevention</i> , 2012, 45, 75-82.	5.7	18
13	Physical Symptoms in Young Adults and Their Use of Different Computers and Mobile Phones. <i>International Journal of Occupational Safety and Ergonomics</i> , 2011, 17, 361-371.	1.9	16
14	Mental Symptoms and the Use of New Technical Equipment. <i>International Journal of Occupational Safety and Ergonomics</i> , 2009, 15, 385-400.	1.9	15
15	Numerical evaluation of currents induced in a worker by ELF non-uniform electric fields in high voltage substations and comparison with experimental results. <i>Bioelectromagnetics</i> , 2013, 34, 61-73.	1.6	15
16	Effects of tissue conductivity and electrode area on internal electric fields in a numerical human model for ELF contact current exposures. <i>Physics in Medicine and Biology</i> , 2012, 57, 2981-2996.	3.0	13
17	Simple estimation of induced electric fields in nervous system tissues for human exposure to non-uniform electric fields at power frequency. <i>Physics in Medicine and Biology</i> , 2016, 61, 4438-4451.	3.0	13
18	Measuring occupational exposure to electric and magnetic fields at 400 kV substations. , 2008, , .		11

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19	Occupational exposure to electric fields and induced currents associated with 400kV substation tasks from different service platforms. <i>Bioelectromagnetics</i> , 2011, 32, 79-83.	1.6	10
20	Implantable Cardioverter Defibrillators in Electric and Magnetic Fields of 400 kV Power Lines. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 297-303.	1.2	10
21	Self-reported ache, pain, or numbness in hip and lower back and use of computers and cell phones amongst Finns aged 18-65. <i>International Journal of Industrial Ergonomics</i> , 2015, 48, 70-76.	2.6	10
22	Occupational exposure to electric and magnetic fields during work tasks at 110kV substations in the Tampere region. <i>Bioelectromagnetics</i> , 2010, 31, 252-254.	1.6	9
23	Occupational exposure to electric fields and currents associated with 110kV substation tasks. <i>Bioelectromagnetics</i> , 2012, 33, 438-442.	1.6	9
24	White-Collar Workers' Self-Reported Physical Symptoms Associated With Using Computers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 137-147.	1.9	7
25	Occupational exposure to electric and magnetic fields during tasks at ground or floor level at 110kV substations in Finland. <i>International Journal of Occupational Safety and Ergonomics</i> , 2016, 22, 384-388.	1.9	7
26	Evaluation of Epilepsy Expert a decision support system. <i>Computer Methods and Programs in Biomedicine</i> , 1994, 45, 223-231.	4.7	6
27	Self-reported wrist and finger symptoms associated with other physical/mental symptoms and use of computers/mobile phones. <i>International Journal of Occupational Safety and Ergonomics</i> , 2018, 24, 82-90.	1.9	6
28	The Influence of 50-Hz Electric and Magnetic Fields on Human Cardiovascular Autonomic Function Tests. <i>Electromagnetic Biology and Medicine</i> , 1995, 14, 135-147.	0.4	5
29	Self-reported use of ICT (Information and communication technology) uptake in 2002 and discomfort amongst Finns aged 45-66. <i>Applied Ergonomics</i> , 2010, 42, 85-90.	3.1	5
30	Self-reported sleep disorders/disturbances associated with physical symptoms and usage of computers. <i>International Journal of Industrial Ergonomics</i> , 2013, 43, 257-263.	2.6	5
31	DECREASING THE EXTREMELY LOW-FREQUENCY ELECTRIC FIELD EXPOSURE WITH A FARADAY CAGE DURING WORK TASKS FROM A MAN HOIST AT A 400 KV SUBSTATION. <i>Progress in Electromagnetics Research M</i> , 2016, 48, 55-66.	0.9	5
32	Sleep Expert an intelligent medical decision support system for sleep disorders. <i>Medical Informatics = Medecine Et Informatique</i> , 1993, 18, 163-170.	0.8	4
33	Evaluation of Sleep Expert a computer-aided decision support system for sleep disorders. <i>Medical Informatics = Medecine Et Informatique</i> , 1994, 19, 247-252.	0.8	4
34	The influences of climatic factors on electricity prices in liberalized market in Finland. , 0, , ,		4
35	Working-aged population's mental symptoms and the use of the Internet. <i>Mental Illness</i> , 2011, 3, 25-28.	0.8	4
36	Influence of relative humidity on analyzing electric field exposure using ELF electric field measurements. <i>Bioelectromagnetics</i> , 2013, 34, 414-418.	1.6	4

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37	Examples of extremely low-frequency magnetic field measurements at treatment facilities of a university hospital. , 2016, , .		4
38	Peak exposures to main components of ash and gaseous diesel exhausts in closed and open ash loading stations at biomass-fuelled power plants. Chemosphere, 2017, 185, 183-191.	8.2	4
39	Effect of power frequency harmonics on magnetic field measurements. Radiation and Environmental Biophysics, 2000, 39, 67-71.	1.4	3
40	Hedging new electricity market risks in the concentrated market-places in the European Union. , 0, , .		3
41	Using the nonlinear control of anaesthesia-induced hypersensitivity of EEG at burst suppression level to test the effects of radiofrequency radiation on brain function. Nonlinear Biomedical Physics, 2009, 3, 5.	1.5	3
42	Examples of occupational exposure to electric and magnetic fields at 110-kV gas-insulated substations (GISs). Radiation Protection Dosimetry, 2015, 163, 394-397.	0.8	3
43	The Possibility of Decreasing 50-Hz Electric Field Exposure near 400-kV Power Lines with Arc Flash Personal Protective Equipment. International Journal of Environmental Research and Public Health, 2016, 13, 942.	2.6	3
44	Measuring Occupational Exposure to Extremely Low-Frequency Electric Fields at 220 kV Substations. Radiation Protection Dosimetry, 2017, 176, 400-403.	0.8	3
45	Comparison of electric and magnetic fields from electric power systems with exposure recommendations of the European Union. , 0, , .		2
46	Effect of spruce forest on electric fields caused by 400 kV transmission lines. , 0, , .		2
47	Simulation of resonance in a small-scale network laboratory. , 0, , .		2
48	WWW-based Calculation Tasks for Teaching Support of Electric Power Engineering. International Journal of Electrical Engineering and Education, 2002, 39, 100-109.	0.8	2
49	Response. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 267-268.	1.2	2
50	Comparison of electric field exposure measurement methods under power lines. Radiation Protection Dosimetry, 2014, 158, 221-223.	0.8	2
51	Examples of extremely low-frequency magnetic fields in a Finnish metro station. Radioprotection, 2015, 50, 229-232.	1.0	2
52	Self-reported depression and anxiety symptoms and usage of computers and mobile phones among working-age Finns. International Journal of Occupational Safety and Ergonomics, 2015, 21, 221-228.	1.9	2
53	Cardiac pacemakers in magnetic fields of a shunt reactor at a 400â€¦kV substation. International Journal of Occupational Safety and Ergonomics, 2015, 21, 229-232.	1.9	2
54	INFLUENCE OF ENVIRONMENTAL CONDITIONS ON EMF LEVELS IN A SPAN OF OVERHEAD TRANSMISSION LINES. Progress in Electromagnetics Research C, 2016, 63, 163-171.	0.9	2

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55	Possible Influences of Spark Discharges on Cardiac Pacemakers. Health Physics, 2016, 110, 1-10.	0.5	2
56	Measurements of leakage magnetic fields from induction heating range using different sized pans. , 2016, , .		2
57	The biomechanical overload of the upper limb: a neglected occupational hazard in animal facility operators. Ergonomics, 2017, 60, 366-374.	2.1	2
58	The electricity production and market liberalization in the European Union. , 0, , .		1
59	Vaasa region E-Girls — education of electrical engineering for the senior secondary school students. , 2008, , .		1
60	The use of animation and simulation to aid learning of electromagnetics: Electrical engineering at the University of Vaasa. , 2013, , .		1
61	A comparison of magnetic fields inside and outside high-voltage urban 110-kV power substations with the exposure recommendations of the Ukrainian regulatory authorities. Radiation Protection Dosimetry, 2013, 154, 417-429.	0.8	1
62	Examples of electromagnetic field (50â€“100 kHz) emissions from smart meters in Finland. Radioprotection, 2015, 50, 225-227.	1.0	1
63	Possibilities to decrease the electric field exposure with a shield over worker under the 400 kV power lines. , 2016, , .		1
64	Extremely low frequency magnetic fields at electric facilities of a hospital. , 2016, , .		1
65	Occupational exposure to extremely low-frequency magnetic fields near 20â€“kV, 3-phase shunt reactors at substations. Radioprotection, 2018, 53, 149-152.	1.0	1
66	Measurement of power frequency magnetic fields in buildings from EMC point of view. , 0, , .		0
67	Gender comparison - the students' feedback on web course “Electricity, Electronics and Environment” for the senior secondary school. , 2009, , .		0
68	Current densities and total contact currents associated with 400â€“kV power line tasks. Bioelectromagnetics, 2013, 34, 641-644.	1.6	0
69	Cardiac pacemakers and electromagnetic fields : Comparison of experimental results in France and Finland. , 2014, , .		0
70	Current densities and total contact currents for 110 and 220â€“kV power line tasks. Bioelectromagnetics, 2014, 35, 531-535.	1.6	0
71	Self-Reported Ache, Pain, or Numbness in Feet and Use of Computers amongst Working-Age Finns. Healthcare (Switzerland), 2016, 4, 82.	2.0	0
72	Possibilities to decrease the extremely low-frequency electric field exposure with a Faraday cage under a 400 kV power line. , 2016, , .		0

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73	Comparison of the extremely low-frequency electric field meters at 400 kV and 220 kV substations. , 2016, , .		0
74	The Electric field exposure of the work tasks from a ladder at 400 kV substations in Finland. , 2016, , .		0
75	Current densities and total contact currents during forest clearing tasks under 400 kV power lines. Bioelectromagnetics, 2016, 37, 423-428.	1.6	0
76	Extremely low frequency magnetic fields in the work environment. , 2016, , .		0
77	Directive 2013/35/EU for electromagnetic fields of workers' exposure and working from the ladder near a 400 kV power line. , 2016, , .		0
78	Near Retirement Age (≥55 Years) Self-Reported Physical Symptoms and Use of Computers/Mobile Phones at Work and at Leisure. Healthcare (Switzerland), 2017, 5, 71.	2.0	0
79	Patients with active implanted medical devices (AIMDs) and extremely low-frequency magnetic fields at hospital facilities. , 2018, , .		0
80	Workers' exposure to electric fields during the task of maintenance of an operating device of circuit breaker from a service platform at 110-kV substations. International Journal of Occupational Safety and Ergonomics, 2019, 25, 161-164.	1.9	0
81	Measurement of Exposure to Magnetic Fields from Electrical Appliances. , 1999, , 331-334.		0
82	Long-Term Measurement of Magnetic Fields in Exposure Assessment. , 1999, , 347-350.		0
83	Effects of External Magnetic (50 Hz) Fields on Visual Display Units. , 1999, , 283-286.		0