Hiie Hinrikus

List of Publications by Year
in descending order

58	1,065	471509 17	454955 30
papers	citations	h-index	g-index

66	66	66	719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact. International Journal of Radiation Biology, 2022, 98, 1210-1221.	1.8	4
2	Long-term stability of resting state EEG-based linear and nonlinear measures. International Journal of Psychophysiology, 2021, 159, 83-87.	1.0	5
3	Threshold of radiofrequency electromagnetic field effect on human brain. International Journal of Radiation Biology, 2021, 97, 1-11.	1.8	8
4	Negative Correlation Between Functional Connectivity and Small-Worldness in the Alpha Frequency Band of a Healthy Brain. Frontiers in Physiology, 2020, 11, 910.	2.8	7
5	Reliability of Electroencephalogram-Based Individual Markers â€“ Case Study*. , 2020, 2020, 276-279.		1
6	Long-Term Stability of EEG Spectral Asymmetry Index â€“ Preliminary Study. IFMBE Proceedings, 2020, , 276-281.	0.3	1
7	Assessment of Objective Symptoms of Depression in Occupational Health Examination. Journal of Occupational and Environmental Medicine, 2019, 61, 605-609.	1.7	3
8	EEG Spectral Asymmetry Is Dependent on Education Level of Men. IFMBE Proceedings, 2019, , 405-408.	0.3	0
9	Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis. Computer Methods and Programs in Biomedicine, 2018, 155, 11-17.	4.7	160
10	Brain stimulation by modulated microwave radiation: a feasibility study. , 2018, , .		0
11	Surrogate Data Method Requires End-Matched Segmentation of Electroencephalographic Signals to Estimate Non-linearity. Frontiers in Physiology, 2018, 9, 1350.	2.8	16
12	Understanding physical mechanism of low-level microwave radiation effect. International Journal of Radiation Biology, 2018, 94, 877-882.	1.8	21
13	After-effect induced by microwave radiation in human electroencephalographic signal: a feasibility study. International Journal of Radiation Biology, 2018, 94, 896-901.	1.8	2
14	Mechanism of Low-level Microwave Radiation Effect on Brain: Frequency Limits. IFMBE Proceedings, 2018, , 647-650.	0.3	1
15	Resting EEG functional connectivity and graph theoretical measures for discrimination of depression. , 2017, , .		10
16	Single channel EEG analysis for detection of depression. Biomedical Signal Processing and Control, 2017, 31, 391-397.	5.7	67
17	Mechanism of low-level microwave radiation effect on nervous system. Electromagnetic Biology and Medicine, 2017, 36, 202-212.	1.4	19
18	Brain functional connectivity in depression: Gender differences in EEG. , 2016, , .		7

#	Article	IF	Citations
19	Lempel-Ziv and multiscale Lempel-Ziv complexity in depression. , 2015, 2015, 4158-61.		26
20	Brain Topography of Emf-Induced Eeg-Changes in Restful Wakefulness: Tracing Current Effects, Targeting Future Prospects. Prilozi - Makedonska Akademija Na Naukite I Umetnostite Oddelenie Za Medicinski Nauki, 2015, 36, 103-112.	0.5	6
21	Effect of negative and positive emotions on EEG spectral asymmetry. , 2015, 2015, 8107-10.		17
22	Effect of Coffee on EEG Spectral Assymmetry. IFMBE Proceedings, 2015, , 1030-1033.	0.3	2
23	Microwave effect on diffusion: a possible mechanism for non-thermal effect. Electromagnetic Biology and Medicine, 2015, 34, 327-333.	1.4	19
24	Spectral asymmetry index and Higuchiâ€™s fractal dimension for detecting microwave radiation effect on electroencephalographic signal. Proceedings of the Estonian Academy of Sciences, 2014, 63, 234.	1.5	5
25	Effect of microwave radiation on human EEG at two different levels of exposure. Bioelectromagnetics, 2013, 34, 264-274.	1.6	26
26	Spectral Asymmetry and Higuchiâ€™s Fractal Dimension Measures of Depression Electroencephalogram. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	84
27	Parametric mechanism of excitation of the electroencephalographic rhythms by modulated microwave radiation. International Journal of Radiation Biology, 2011, 87, 1077-1085.	1.8	22
28	Higuchiâ€™s fractal dimension for analysis of the effect of external periodic stressor on electrical oscillations in the brain. Medical and Biological Engineering and Computing, 2011, 49, 585-591.	2.8	17
29	Method for Testing the Brain. IFMBE Proceedings, 2011, , 1198-1201.	0.3	0
30	Effect of noise in processing of visual information. Nonlinear Biomedical Physics, 2010, 4, S5.	1.5	5
31	Spectral features of EEG in depression. Biomedizinische Technik, 2010, 55, 155-161.	0.8	27
32	Signatures of Depression in Non-Stationary Biometric Time Series. Computational Intelligence and Neuroscience, 2009, 2009, 1-7.	1.7	1
33	Effect of modulated microwave radiation on human EEG asymmetry. The Environmentalist, 2009, 29, 210-214.	0.7	3
34	Effect of modulated at different low frequencies microwave radiation on human EEG. The Environmentalist, 2009, 29, 215-219.	0.7	10
35	Electroencephalographic spectral asymmetry index for detection of depression. Medical and Biological Engineering and Computing, 2009, 47, 1291-1299.	2.8	73
36	EEG Coherence as Measure of Depressive Disorder. IFMBE Proceedings, 2009, , 353-355.	0.3	3

#	Article	IF	Citations
37	Effect of low frequency modulated microwave exposure on human EEG: Individual sensitivity. Bioelectromagnetics, 2008, 29, 527-538.	1.6	45
38	Effect of 7, 14 and 21 Hz modulated 450 MHz microwave radiation on human electroencephalographic rhythms. International Journal of Radiation Biology, 2008, 84, 69-79.	1.8	61
39	Sensitivity of the Brain to Microwave Radiation. IFMBE Proceedings, 2008, , 558-561.	0.3	1
40	Adaptation of Human Brain Bioelectrical Activity to Low-Level Microwave. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4747-50.	0.5	3
41	Methods of electroencephalographic signal analysis for detection of small hidden changes. Nonlinear Biomedical Physics, 2007, 1, 9.	1.5	9
42	Modulated microwave effects on individuals with depressive disorder. The Environmentalist, 2007, 27, 505-510.	0.7	8
43	Individual changes in human EEG caused by 450ÂMHz microwave modulated at 40 and 70ÂHz. The Environmentalist, 2007, 27, 511-517.	0.7	9
44	Are there modulated Electromagnetic Field Effects on Human Conscious Perception during Attentional Blink Test?. , 2006, 2006, 2924-7.		2
45	Integration of differences in EEG Analysis Reveals Changes in Human EEG Caused by Microwave. , 2006, 2006, 1597-600.		6
46	Are there modulated Electromagnetic Field Effects on Human Conscious Perception during Attentional Blink Test?. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
47	Study of effects of low level microwave field by method of face masking. Bioelectromagnetics, 2005, 26, 571-577.	1.6	10
48	Non-linear analysis of the electroencephalogram for detecting effects of low-level electromagnetic fields. Medical and Biological Engineering and Computing, 2005, 43, 142-149.	2.8	23
49	Low-Level Microwave Radiation Effect on Nerve Pulse Conduction Velocity. The Environmentalist, 2005, 25, 157-163.	0.7	1
50	Effect of 450 MHz Microwave Modulated with 217 Hz on Human EEG in Rest. The Environmentalist, 2005, 25, 165-171.	0.7	13
51	Non-Thermal Effect of Microwave Radiation on Human Brain. The Environmentalist, 2005, 25, 187-194.	0.7	30
52	Changes in human EEG caused by low level modulated microwave stimulation. Bioelectromagnetics, 2004, 25, 431-440.	1.6	41
53	Self-mixing in a diode laser as a method for cardiovascular diagnostics. Journal of Biomedical Optics, 2003, 8, 152.	2.6	39
54	Effects of 7 Hz-modulated 450 MHz electromagnetic radiation on human performance in visual memory tasks. International Journal of Radiation Biology, 2002, 78, 937-944.	1.8	37

#	Article	IF	Citations
55	Evaluation of the quality of rate adaptation algorithms for cardiac pacing. Europace, 2001, 3, 221-228.	1.7	6
56	Simple coherence method for blood flow detection. , 2000, , .		5
57	Performance and optimization of Gunn self-oscillating mixer. , 1995, 5, 177-179.		5
58	Self-modulated Gunn diode self-oscillating mixer. , 0, , .		1