

Hiie Hinrikus

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,065
citations

471509

17
h-index

454955

30
g-index

66
all docs

66
docs citations

66
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 155, 11-17.	4.7	160
2	Spectral Asymmetry and Higuchi's Fractal Dimension Measures of Depression Electroencephalogram. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-8.	1.3	84
3	Electroencephalographic spectral asymmetry index for detection of depression. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 1291-1299.	2.8	73
4	Single channel EEG analysis for detection of depression. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 391-397.	5.7	67
5	Effect of 7, 14 and 21 Hz modulated 450 MHz microwave radiation on human electroencephalographic rhythms. <i>International Journal of Radiation Biology</i> , 2008, 84, 69-79.	1.8	61
6	Effect of low frequency modulated microwave exposure on human EEG: Individual sensitivity. <i>Bioelectromagnetics</i> , 2008, 29, 527-538.	1.6	45
7	Changes in human EEG caused by low level modulated microwave stimulation. <i>Bioelectromagnetics</i> , 2004, 25, 431-440.	1.6	41
8	Self-mixing in a diode laser as a method for cardiovascular diagnostics. <i>Journal of Biomedical Optics</i> , 2003, 8, 152.	2.6	39
9	Effects of 7 Hz-modulated 450 MHz electromagnetic radiation on human performance in visual memory tasks. <i>International Journal of Radiation Biology</i> , 2002, 78, 937-944.	1.8	37
10	Non-Thermal Effect of Microwave Radiation on Human Brain. <i>The Environmentalist</i> , 2005, 25, 187-194.	0.7	30
11	Spectral features of EEG in depression. <i>Biomedizinische Technik</i> , 2010, 55, 155-161.	0.8	27
12	Effect of microwave radiation on human EEG at two different levels of exposure. <i>Bioelectromagnetics</i> , 2013, 34, 264-274.	1.6	26
13	Lempel-Ziv and multiscale Lempel-Ziv complexity in depression. , 2015, 2015, 4158-61.		26
14	Non-linear analysis of the electroencephalogram for detecting effects of low-level electromagnetic fields. <i>Medical and Biological Engineering and Computing</i> , 2005, 43, 142-149.	2.8	23
15	Parametric mechanism of excitation of the electroencephalographic rhythms by modulated microwave radiation. <i>International Journal of Radiation Biology</i> , 2011, 87, 1077-1085.	1.8	22
16	Understanding physical mechanism of low-level microwave radiation effect. <i>International Journal of Radiation Biology</i> , 2018, 94, 877-882.	1.8	21
17	Microwave effect on diffusion: a possible mechanism for non-thermal effect. <i>Electromagnetic Biology and Medicine</i> , 2015, 34, 327-333.	1.4	19
18	Mechanism of low-level microwave radiation effect on nervous system. <i>Electromagnetic Biology and Medicine</i> , 2017, 36, 202-212.	1.4	19

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19	Higuchi's fractal dimension for analysis of the effect of external periodic stressor on electrical oscillations in the brain. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 585-591.	2.8	17
20	Effect of negative and positive emotions on EEG spectral asymmetry. , 2015, 2015, 8107-10.		17
21	Surrogate Data Method Requires End-Matched Segmentation of Electroencephalographic Signals to Estimate Non-linearity. <i>Frontiers in Physiology</i> , 2018, 9, 1350.	2.8	16
22	Effect of 450 MHz Microwave Modulated with 217 Hz on Human EEG in Rest. <i>The Environmentalist</i> , 2005, 25, 165-171.	0.7	13
23	Study of effects of low level microwave field by method of face masking. <i>Bioelectromagnetics</i> , 2005, 26, 571-577.	1.6	10
24	Effect of modulated at different low frequencies microwave radiation on human EEG. <i>The Environmentalist</i> , 2009, 29, 215-219.	0.7	10
25	Resting EEG functional connectivity and graph theoretical measures for discrimination of depression. , 2017, , .		10
26	Methods of electroencephalographic signal analysis for detection of small hidden changes. <i>Nonlinear Biomedical Physics</i> , 2007, 1, 9.	1.5	9
27	Individual changes in human EEG caused by 450 MHz microwave modulated at 40 and 70 Hz. <i>The Environmentalist</i> , 2007, 27, 511-517.	0.7	9
28	Modulated microwave effects on individuals with depressive disorder. <i>The Environmentalist</i> , 2007, 27, 505-510.	0.7	8
29	Threshold of radiofrequency electromagnetic field effect on human brain. <i>International Journal of Radiation Biology</i> , 2021, 97, 1-11.	1.8	8
30	Brain functional connectivity in depression: Gender differences in EEG. , 2016, , .		7
31	Negative Correlation Between Functional Connectivity and Small-Worldness in the Alpha Frequency Band of a Healthy Brain. <i>Frontiers in Physiology</i> , 2020, 11, 910.	2.8	7
32	Evaluation of the quality of rate adaptation algorithms for cardiac pacing. <i>Europace</i> , 2001, 3, 221-228.	1.7	6
33	Integration of differences in EEG Analysis Reveals Changes in Human EEG Caused by Microwave. , 2006, 2006, 1597-600.		6
34	Brain Topography of Emf-Induced Eeg-Changes in Restful Wakefulness: Tracing Current Effects, Targeting Future Prospects. <i>Prilozi - Makedonska Akademija Na Naukite I Umetnostite Oddelenie Za Medicinski Nauki</i> , 2015, 36, 103-112.	0.5	6
35	Performance and optimization of Gunn self-oscillating mixer. , 1995, 5, 177-179.		5
36	Simple coherence method for blood flow detection. , 2000, , .		5

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37	Effect of noise in processing of visual information. <i>Nonlinear Biomedical Physics</i> , 2010, 4, S5.	1.5	5
38	Spectral asymmetry index and Higuchi's fractal dimension for detecting microwave radiation effect on electroencephalographic signal. <i>Proceedings of the Estonian Academy of Sciences</i> , 2014, 63, 234.	1.5	5
39	Long-term stability of resting state EEG-based linear and nonlinear measures. <i>International Journal of Psychophysiology</i> , 2021, 159, 83-87.	1.0	5
40	Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact. <i>International Journal of Radiation Biology</i> , 2022, 98, 1210-1221.	1.8	4
41	Adaptation of Human Brain Bioelectrical Activity to Low-Level Microwave. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4747-50.	0.5	3
42	Effect of modulated microwave radiation on human EEG asymmetry. <i>The Environmentalist</i> , 2009, 29, 210-214.	0.7	3
43	EEG Coherence as Measure of Depressive Disorder. <i>IFMBE Proceedings</i> , 2009, , 353-355.	0.3	3
44	Assessment of Objective Symptoms of Depression in Occupational Health Examination. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, 605-609.	1.7	3
45	Are there modulated Electromagnetic Field Effects on Human Conscious Perception during Attentional Blink Test?. , 2006, 2006, 2924-7.		2
46	Effect of Coffee on EEG Spectral Assymetry. <i>IFMBE Proceedings</i> , 2015, , 1030-1033.	0.3	2
47	After-effect induced by microwave radiation in human electroencephalographic signal: a feasibility study. <i>International Journal of Radiation Biology</i> , 2018, 94, 896-901.	1.8	2
48	Self-modulated Gunn diode self-oscillating mixer. , 0, , .		1
49	Low-Level Microwave Radiation Effect on Nerve Pulse Conduction Velocity. <i>The Environmentalist</i> , 2005, 25, 157-163.	0.7	1
50	Signatures of Depression in Non-Stationary Biometric Time Series. <i>Computational Intelligence and Neuroscience</i> , 2009, 2009, 1-7.	1.7	1
51	Reliability of Electroencephalogram-Based Individual Markers " Case Study*. , 2020, 2020, 276-279.		1
52	Long-Term Stability of EEG Spectral Asymmetry Index " Preliminary Study. <i>IFMBE Proceedings</i> , 2020, , 276-281.	0.3	1
53	Mechanism of Low-level Microwave Radiation Effect on Brain: Frequency Limits. <i>IFMBE Proceedings</i> , 2018, , 647-650.	0.3	1
54	Sensitivity of the Brain to Microwave Radiation. <i>IFMBE Proceedings</i> , 2008, , 558-561.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Brain stimulation by modulated microwave radiation: a feasibility study. , 2018, , .		0
56	Method for Testing the Brain. IFMBE Proceedings, 2011, , 1198-1201.	0.3	0
57	EEG Spectral Asymmetry Is Dependent on Education Level of Men. IFMBE Proceedings, 2019, , 405-408.	0.3	0
58	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