

Oleksandr Makeyev

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,043
citations

566801

15
h-index

476904

29
g-index

50
all docs

50
docs citations

50
times ranked

1187
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Frequency Oscillations Recorded on the Scalp of Patients With Epilepsy Using Tripolar Concentric Ring Electrodes. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-11.	2.2	183
2	Non-invasive monitoring of chewing and swallowing for objective quantification of ingestive behavior. Physiological Measurement, 2008, 29, 525-541.	1.2	141
3	Automatic Detection of Swallowing Events by Acoustical Means for Applications of Monitoring of Ingestive Behavior. IEEE Transactions on Biomedical Engineering, 2010, 57, 626-633.	2.5	135
4	Anti-IL6 neutralizing antibody modulates blood-brain barrier function in the ovine fetus. FASEB Journal, 2015, 29, 1739-1753.	0.2	66
5	Toward Objective Monitoring of Ingestive Behavior in Free-living Population. Obesity, 2009, 17, 1971-1975.	1.5	60
6	Automatic food intake detection based on swallowing sounds. Biomedical Signal Processing and Control, 2012, 7, 649-656.	3.5	56
7	Permutation Coding Technique for Image Recognition Systems. IEEE Transactions on Neural Networks, 2006, 17, 1566-1579.	4.8	50
8	Interleukin-1 β Transfer across the Blood-Brain Barrier in the Ovine Fetus. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1388-1395.	2.4	40
9	Neutralizing anti-interleukin-1 β antibodies modulate fetal blood-brain barrier function after ischemia. Neurobiology of Disease, 2015, 73, 118-129.	2.1	40
10	Toward a Noninvasive Automatic Seizure Control System in Rats With Transcranial Focal Stimulations via Tripolar Concentric Ring Electrodes. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 422-431.	2.7	29
11	Detection of Food Intake from Swallowing Sequences by Supervised and Unsupervised Methods. Annals of Biomedical Engineering, 2010, 38, 2766-2774.	1.3	25
12	Detection of periods of food intake using Support Vector Machines. , 2010, 2010, 1004-7.		20
13	Improving the Accuracy of Laplacian Estimation with Novel Variable Inter-Ring Distances Concentric Ring Electrodes. Sensors, 2016, 16, 858.	2.1	19
14	Improving the accuracy of Laplacian estimation with novel multipolar concentric ring electrodes. Measurement: Journal of the International Measurement Confederation, 2016, 80, 44-52.	2.5	19
15	Automatic identification of the number of food items in a meal using clustering techniques based on the monitoring of swallowing and chewing. Biomedical Signal Processing and Control, 2012, 7, 474-480.	3.5	16
16	Noninvasive Transcranial Focal Stimulation Via Tripolar Concentric Ring Electrodes Lessens Behavioral Seizure Activity of Recurrent Pentylentetrazole Administrations in Rats. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 383-390.	2.7	16
17	Improved Spatial Resolution of Electroencephalogram Using Tripolar Concentric Ring Electrode Sensors. Journal of Sensors, 2020, 2020, 1-9.	0.6	12
18	Limited receptive area neural classifier for recognition of swallowing sounds using continuous wavelet transform. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3128-31.	0.5	10

#	ARTICLE	IF	CITATIONS
19	Evaluation of Bipolar, Tripolar, and Quadripolar Laplacian Estimates of Electrocardiogram via Concentric Ring Electrodes. <i>Sensors</i> , 2019, 19, 3780.	2.1	10
20	Limited receptive area neural classifier for recognition of swallowing sounds using short-time Fourier transform. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , .	0.0	9
21	Solving the general inter-ring distances optimization problem for concentric ring electrodes to improve Laplacian estimation. <i>BioMedical Engineering OnLine</i> , 2018, 17, 117.	1.3	9
22	Pairwise Permutation Coding Neural Classifier. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , .	0.0	7
23	Hybrid evolutionary algorithm for microscrew thread parameter estimation. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 446-452.	4.3	6
24	Transcranial focal stimulation via concentric ring electrodes reduced power of pentylenetetrazole-induced seizure activity in rat electroencephalogram. , 2011, 2011, 7560-3.		6
25	Proof of concept Laplacian estimate derived for noninvasive tripolar concentric ring electrode with incorporated radius of the central disc and the widths of the concentric rings. , 2017, 2017, 841-844.		6
26	Validating the Comparison Framework for the Finite Dimensions Model of Concentric Ring Electrodes Using Human Electrocardiogram Data. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4279.	1.3	6
27	The Problem of Automation of Solar Concentrator Assembly and Adjustment. <i>International Journal of Advanced Robotic Systems</i> , 2011, 8, 46.	1.3	5
28	Emulating conventional disc electrode with the outer ring of the tripolar concentric ring electrode in phantom and human electroencephalogram data. , 2013, , .		5
29	Multiple sensor integration for seizure onset detection in human patients comparing conventional disc versus novel tripolar concentric ring electrodes. , 2013, 2013, 17-20.		4
30	Automatic recognition of postural allocations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4993-6.	0.5	3
31	Neural network with ensembles. , 2010, , .		3
32	Sensor integration of multiple tripolar concentric ring electrodes improves pentylenetetrazole-induced seizure onset detection in rats. , 2012, 2012, 5154-7.		3
33	Chronic transcranial focal stimulation from tripolar concentric ring electrodes does not disrupt memory formation in rats. , 2014, 2014, 6139-42.		3
34	Analysis of variance to assess statistical significance of Laplacian estimation accuracy improvement due to novel variable inter-ring distances concentric ring electrodes. , 2017, 2017, 4110-4113.		3
35	Safety of the Transcranial Focal Electrical Stimulation via Tripolar Concentric Ring Electrodes for Hippocampal CA3 Subregion Neurons in Rats. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-7.	1.1	3
36	Recent Advances in High-Frequency Oscillations and Seizure Onset Detection Using Laplacian Electroencephalography via Tripolar Concentric Ring Electrodes. <i>Proceedings (mdpi)</i> , 2018, 2, 117.	0.2	3

#	ARTICLE	IF	CITATIONS
37	Reply to "Comment on "Non-invasive monitoring of chewing and swallowing for objective quantification of ingestive behavior"™. <i>Physiological Measurement</i> , 2009, 30, L5-L7.	1.2	2
38	Electric fields in hippocampus due to transcranial focal electrical stimulation via concentric ring electrodes. , 2011, 2011, 5488-91.		2
39	Comprehensive Optimization of the Tripolar Concentric Ring Electrode Based on Its Finite Dimensions Model and Confirmed by Finite Element Method Modeling. <i>Sensors</i> , 2021, 21, 5881.	2.1	2
40	Limited Receptive Area neural classifier for texture recognition of metal surfaces. , 2006, , 375-384.		2
41	Feasibility of recording high frequency oscillations with tripolar concentric ring electrodes during pentylenetetrazole-induced seizures in rats. , 2012, 2012, 4599-602.		1
42	Toward improving the laplacian estimation with novel multipolar concentric ring electrodes. , 2013, 2013, 1486-9.		1
43	Frequency domain synchrony between signals from the conventional disc electrode and the outer ring of the tripolar concentric ring electrode in human electroencephalogram data. , 2014, , .		1
44	Comprehensive optimization of the tripolar concentric ring electrode with respect to the accuracy of Laplacian estimation based on the finite dimensions model of the electrode. , 2020, 2, .		1
45	A comparison of tripolar concentric ring electrode and spline laplacians on a four-layer concentric spherical model. , 2011, 2011, 2949-52.		0
46	Finite element method modeling to assess Laplacian estimates via novel variable inter-ring distances concentric ring electrodes. , 2016, 2016, 2054-2057.		0
47	Analytic assessment of Laplacian estimates via novel variable interring distances concentric ring electrodes. , 2016, 2016, 2058-2062.		0
48	Feasibility of Automatic Detection of High-Frequency Oscillations in Human Tripolar Laplacian Electroencephalogram Using Exponentially Embedded Family. <i>Proceedings (mdpi)</i> , 2020, 42, 52.	0.2	0
49	Finite element method modeling to confirm the results of comprehensive optimization of the tripolar concentric ring electrode based on its finite dimensions model. , 2021, 2021, 7244-7247.		0
50	Solving the Inter-Ring Distances Optimization Problem for Pentapolar and Sextopolar Concentric Ring Electrodes Based on the Negligible Dimensions Model of the Electrode. , 2021, 10, .		0