Maciej J KamiÅ„ski

List of Publications by Year
in descending order

45 papers	3,856 citations	377584 21 h-index	355658 38 g-index
47 all docs	47 docs citations	47 times ranked	3369 citing authors

#	Article	IF	Citations
1	From Coherence to Multivariate Causal Estimators of EEG Connectivity. Frontiers in Physiology, 2022, 13, 868294.	1.3	3
2	Processing of fMRI-related anxiety and information flow between brain and body revealed a preponderance of oscillations at 0.15/0.16ÂHz. Scientific Reports, 2022, 12, .	1.6	6
3	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. Alzheimer's and Dementia, 2021, 17, 1528-1553.	0.4	64
4	Causal Coupling of Low Frequency Oscillations During Movement Imagination â€“ A Multimodal Study. Lecture Notes in Computer Science, 2021, , 107-111.	1.0	1
5	Processing of fMRI-related anxiety and bi-directional information flow between prefrontal cortex and brain stem. Scientific Reports, 2021, 11, 22348.	1.6	10
6	The Impact of Repetitive Transcranial Magnetic Stimulation on Functional Connectivity in Major Depressive Disorder and Bipolar Disorder Evaluated by Directed Transfer Function and Indices Based on Graph Theory. International Journal of Neural Systems, 2020, 30, 2050015.	3.2	21
7	Coupling Between Brain Structures During Visual and Auditory Working Memory Tasks. International Journal of Neural Systems, 2019, 29, 1850046.	3.2	11
8	Is Graph Theoretical Analysis a Useful Tool for Quantification of Connectivity Obtained by Means of EEG/MEG Techniques?. Frontiers in Neural Circuits, 2018, 12, 76.	1.4	13
9	Breakdown of long-range temporal correlations in brain oscillations during general anesthesia. NeuroImage, 2017, 159, 146-158.	2.1	29
10	Functional and effective brain connectivity for discrimination between Alzheimerâ€™s patients and healthy individuals: A study on resting state EEG rhythms. Clinical Neurophysiology, 2017, 128, 667-680.	0.7	79
11	The Influence of Volume Conduction on DTF Estimate and the Problem of Its Mitigation. Frontiers in Computational Neuroscience, 2017, 11, 36.	1.2	30
12	Measures of Coupling between Neural Populations Based on Granger Causality Principle. Frontiers in Computational Neuroscience, 2016, 10, 114.	1.2	19
13	Information Transfer During Auditory Working Memory Task. IFMBE Proceedings, 2016, , 19-24.	0.2	0
14	Interactions Between the Prefrontal Cortex and Attentional Systems During Volitional Affective Regulation: An Effective Connectivity Reappraisal Study. Brain Topography, 2016, 29, 253-261.	0.8	33
15	Directed Transfer Function is not influenced by volume conductionÃ¢â‚¬â€inexpedient pre-processing should be avoided. Frontiers in Computational Neuroscience, 2014, 8, 61.	1.2	71
16	Trans3D: A free tool for dynamical visualization of EEG activity transmission in the brain. Computers in Biology and Medicine, 2014, 51, 214-222.	3.9	7
17	Directed Transfer Function. Frontiers in Neuroengineering Series, 2014, , 13-34.	0.4	1
18	Application of directed transfer function and network formalism for the assessment of functional connectivity in working memory task. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110614.	1.6	34

#	Article	IF	Citations
19	Functional Brain Networks: Random, â€œSmall Worldâ€•or Deterministic?. PLoS ONE, 2013, 8, e78763.	1.1	33
20	Tree-level contributions to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover accent="true"><mml:mi>B</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mo>â†’</mml:mo><mml:msub><mml:mi>X</mml:mi></mml:mi Physical Review D, 2012, 86, .	1.6	16
21	Causality Analysis of Multivariate Neural Data. , 2012, , 1-26.		0
22	Information Transfer During a Transitive Reasoning Task. Brain Topography, 2011, 24, 1-8.	0.8	37
23	Estimation of the propagation direction and spectral properties of the EEG signals registered during sevoflurane anaesthesia using Directed Transfer Function method. Polish Journal of Medical Physics and Engineering, 2011, 17, 95-104.	0.2	2
24	Transmission of Brain Activity During Cognitive Task. Brain Topography, 2010, 23, 205-213.	0.8	54
25	Comparison of methods for estimation of time-varying transmission in multichannel data. , 2010, , .		5
26	Information processing in brain and dynamic patterns of transmission during working memory task by the SDTF function. , 2010, 2010, 1722-5.		2
27	Multivariate autoregressive model for a study of phylogenetic diversity. Gene, 2009, 435, 104-118.	1.0	5
28	Transmission of brain activity in cognitive and motor tasks. , 2008, 2008, 3508-11.		0
29	Transmission of information during Continuous Attention Test. Acta Neurobiologiae Experimentalis, 2008, 68, 103-12.	0.4	16
30	Electrocorticographical Transfer of Information During Motor Task. , 2007, , .		0
31	Multichannel Data Analysis in Biomedical Research. Understanding Complex Systems, 2007, , 327-355.	0.3	8
32	Dynamic changes in the direction of the theta rhythmic drive between supramammillary nucleus and the septohippocampal system. Hippocampus, 2006, 16, 531-540.	0.9	59
33	Determination of transmission patterns in multichannel data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 947-952.	1.8	26
34	Causal Influence: Advances in Neurosignal Analysis. Critical Reviews in Biomedical Engineering, 2005, 33, 347-430.	0.5	93
35	Analysis of multichannel biomedical data. Acta Neurobiologiae Experimentalis, 2005, 65, 443-52.	0.4	6
36	Determination of EEG Activity Propagation: Pair-Wise Versus Multichannel Estimate. IEEE Transactions on Biomedical Engineering, 2004, 51, 1501-1510.	2.5	305

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37	Granger causality and information flow in multivariate processes. Physical Review E, 2004, 70, 050902.	0.8	222
38	Determination of information flow direction among brain structures by a modified directed transfer function (dDTF) method. Journal of Neuroscience Methods, 2003, 125, 195-207.	1.3	313
39	Evaluating causal relations in neural systems: Granger causality, directed transfer function and statistical assessment of significance. Biological Cybernetics, 2001, 85, 145-157.	0.6	858
40	Phase and amplitude analysis in timeâ€“frequency spaceâ€”application to voluntary finger movement. Journal of Neuroscience Methods, 2001, 110, 113-124.	1.3	73
41	Topographic analysis of coherence and propagation of EEG activity during sleep and wakefulness. Electroencephalography and Clinical Neurophysiology, 1997, 102, 216-227.	0.3	162
42	Information flow between hippocampus and related structures during various types of rat's behavior. Journal of Neuroscience Methods, 1997, 73, 49-60.	1.3	70
43	Analysis of mesial temporal seizure onset and propagation using the directed transfer function method. Electroencephalography and Clinical Neurophysiology, 1994, 91, 413-427.	0.3	128
44	A new method of the description of the information flow in the brain structures. Biological Cybernetics, 1991, 65, 203-210.	0.6	916
45	Multivariate Signal Analysis by Parametric Models. , 0, , 373-409.		15