TomÃ¡Å¡ Sieger

List of Publications by Year
in descending order

42 papers	766 citations	567281 15 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	1405 citing authors

#	Article	IF	Citations
1	Performance comparison of extracellular spike sorting algorithms for single-channel recordings. Journal of Neuroscience Methods, 2012, 203, 369-376.	2.5	64
2	Disorders of Balance and Gait in Essential Tremor Are Associated with Midline Tremor and Age. Cerebellum, 2013, 12, 27-34.	2.5	61
3	The Subthalamic Microlesion Story in Parkinson's Disease: Electrode Insertion-Related Motor Improvement with Relative Cortico-Subcortical Hypoactivation in fMRI. PLoS ONE, 2012, 7, e49056.	2.5	51
4	Distinct populations of neurons respond to emotional valence and arousal in the human subthalamic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3116-3121.	7.1	48
5	The sensitivity of ECG contamination to surgical implantation site in brain computer interfaces. Brain Stimulation, 2021, 14, 1301-1306.	1.6	43
6	Subthalamic nucleus stimulation affects incentive salience attribution in Parkinson's disease. Movement Disorders, 2011, 26, 2260-2266.	3.9	42
7	Detection and monitoring of normal and leukemic cell populations with hierarchical clustering of flow cytometry data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 25-34.	1.5	39
8	Horizontal and vertical eye movement metrics: What is important?. Clinical Neurophysiology, 2013, 124, 2216-2229.	1.5	38
9	Abnormal Activity in the Precuneus during Time Perception in Parkinson's Disease: An fMRI Study. PLoS ONE, 2012, 7, e29635.	2.5	34
10	Predicting Falls in Parkinson Disease: What Is the Value of Instrumented Testing in OFF Medication State?. PLoS ONE, 2015, 10, e0139849.	2.5	34
11	Fast vergence eye movements are disrupted in Parkinson's disease: A video-oculography study. Parkinsonism and Related Disorders, 2015, 21, 797-799.	2.2	27
12	Relapse in schizophrenia: Definitively not a bolt from the blue. Neuroscience Letters, 2018, 669, 68-74.	2.1	27
13	Chromatin organization at the nuclear periphery as revealed by image analysis of structured illumination microscopy data. Journal of Cell Science, 2017, 130, 2066-2077.	2.0	22
14	Associations of Brain Atrophy and Cerebral Iron Accumulation at MRI with Clinical Severity in Wilson Disease. Radiology, 2021, 299, 662-672.	7.3	22
15	Sex, Food and Threat: Startling Changes after Subthalamic Stimulation in Parkinson's Disease. Brain Stimulation, 2013, 6, 740-745.	1.6	18
16	Methods for automatic detection of artifacts in microelectrode recordings. Journal of Neuroscience Methods, 2017, 290, 39-51.	2.5	18
17	Eye movements in idiopathic rapid eye movement sleep behaviour disorder: High antisaccade error rate reflects prefrontal cortex dysfunction. Journal of Sleep Research, 2019, 28, e12742.	3.2	17
18	Cortical pattern of complex but not simple movements is affected in writerâ€™s cramp: A parametric event-related fMRI study. Clinical Neurophysiology, 2012, 123, 755-763.	1.5	16

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19	Nuclear pore protein TPR associates with lamin B1 and affects nuclear lamina organization and nuclear pore distribution. Cellular and Molecular Life Sciences, 2019, 76, 2199-2216.	5.4	16
20	Wrapper feature selection for small sample size data driven by complete error estimates. Computer Methods and Programs in Biomedicine, 2012, 108, 138-150.	4.7	15
21	Eye Movements in Ephedrone-Induced Parkinsonism. PLoS ONE, 2014, 9, e104784.	2.5	15
22	Basal Ganglia Neuronal Activity during Scanning Eye Movements in Parkinsonâ€™s Disease. PLoS ONE, 2013, 8, e78581.	2.5	13
23	The complex syndrome of functional neurological disorder. Psychological Medicine, 2023, 53, 3157-3167.	4.5	13
24	Motor Matters: Tackling Heterogeneity of Parkinsonâ€™s Disease in Functional MRI Studies. PLoS ONE, 2013, 8, e56133.	2.5	10
25	Prepulse inhibition of the blink reflex is abnormal in functional movement disorders. Movement Disorders, 2019, 34, 1022-1030.	3.9	10
26	Accounting for Movement Increases Sensitivity in Detecting Brain Activity in Parkinson's Disease. PLoS ONE, 2012, 7, e36271.	2.5	9
27	Interactive Dendrograms: The R Packages idendro and idendr0. Journal of Statistical Software, 2017, 76, .	3.7	6
28	A Loud Auditory Stimulus Overcomes Voluntary Movement Limitation in Cervical Dystonia. PLoS ONE, 2012, 7, e46586.	2.5	5
29	Topography of emotional valence and arousal within the motor part of the subthalamic nucleus in Parkinsonâ€™s disease. Scientific Reports, 2019, 9, 19924.	3.3	5
30	ShinySOM: graphical SOM-based analysis of single-cell cytometry data. Bioinformatics, 2020, 36, 3288-3289.	4.1	5
31	Supervised segmentation of microelectrode recording artifacts using power spectral density. , 2015, 2015, 1524-7.		4
32	Antisaccades and vergence abnormalities in functional movement disorders: A video-oculographic study. Movement Disorders, 2016, 31, 1072-1073.	3.9	3
33	Nucleoporin TPR Affects C2C12 Myogenic Differentiation via Regulation of Myh4 Expression. Cells, 2021, 10, 1271.	4.1	3
34	MRD Monitoring of Childhood ALL Using Hierarchical Clustering and Support Vector Machine Learning of Complex Multi-Parameter Flow Cytometry Data.. Blood, 2008, 112, 1508-1508.	1.4	3
35	Probabilistic Model of Neuronal Background Activity in Deep Brain Stimulation Trajectories. Lecture Notes in Computer Science, 2016, , 97-111.	1.3	2
36	GABA spectra and remote distractor effect in progressive supranuclear palsy: A pilot study. Revue Neurologique, 2017, 173, 225-229.	1.5	2

#	Article	IF	Citations
37	The effects of interventional mitral valve repair using the MitraClip System on the results of pulmonary function testing, pulmonary pressure and diffusing capacity of the lung. BMC Cardiovascular Disorders, 2021, 21, 235.	1.7	1
38	Speech Perception and Production in Cochlear Implant Recipients with Pendred Syndrome. , 2021, 38, 244-248.		1
39	Disease progression of 213 patients hospitalized with Covid-19 in the Czech Republic in Marchâ€“October 2020: An exploratory analysis. PLoS ONE, 2021, 16, e0245103.	2.5	1
40	External validation of extended prostate biopsy nomogram. Central European Journal of Urology, 2015, 68, 148-52.	0.3	0
41	GPU-Accelerated Mahalanobis-Average Hierarchical Clustering Analysis. Lecture Notes in Computer Science, 2021, , 580-595.	1.3	0
42	Chromatin organization at the nuclear periphery as revealed by image analysis of structured illumination microscopy data. Development (Cambridge), 2017, 144, e1.2-e1.2.	2.5	0