

Andrzej Wróbel

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,638
citations

304368

22
h-index

301761

39
g-index

62
all docs

62
docs citations

62
times ranked

2079
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG beta band activity is related to attention and attentional deficits in the visual performance of elderly subjects. <i>International Journal of Psychophysiology</i> , 2013, 89, 334-341.	0.5	227
2	Beta band oscillations engagement in human alertness process. <i>International Journal of Psychophysiology</i> , 2012, 85, 125-128.	0.5	141
3	The Do's and Don'ts of Neurofeedback Training: A Review of the Controlled Studies Using Healthy Adults. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 301.	1.0	80
4	NEUROINFORMATICS: THE INTEGRATION OF SHARED DATABASES AND TOOLS TOWARDS INTEGRATIVE NEUROSCIENCE. <i>Journal of Integrative Neuroscience</i> , 2002, 01, 117-128.	0.8	77
5	Beta band oscillations as a correlate of alertness – Changes in aging. <i>International Journal of Psychophysiology</i> , 2012, 85, 62-67.	0.5	77
6	Frequency dependent corticofugal excitation of principal cells in the cat's dorsal lateral geniculate nucleus. <i>Experimental Brain Research</i> , 1990, 79, 313-318.	0.7	76
7	Short-term memory capacity (7 ± 2) predicted by theta to gamma cycle length ratio. <i>Neurobiology of Learning and Memory</i> , 2011, 95, 19-23.	1.0	76
8	NMDA/glutamate mechanism of antidepressant-like action of magnesium in forced swim test in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2007, 88, 158-164.	1.3	69
9	Two Streams of Attention-Dependent \hat{A} Activity in the Striate Recipient Zone of Cat's Lateral Posterior-Pulvinar Complex. <i>Journal of Neuroscience</i> , 2007, 27, 2230-2240.	1.7	68
10	Impact of meditation on emotional processing – A visual ERP study. <i>Neuroscience Research</i> , 2011, 71, 44-48.	1.0	63
11	Neuroscience data and tool sharing. <i>Neuroinformatics</i> , 2003, 1, 149-165.	1.5	54
12	A complex interaction between glycine/NMDA receptors and serotonergic/noradrenergic antidepressants in the forced swim test in mice. <i>Journal of Neural Transmission</i> , 2011, 118, 1535-1546.	1.4	46
13	Inverse Current-Source Density Method in 3D: Reconstruction Fidelity, Boundary Effects, and Influence of Distant Sources. <i>Neuroinformatics</i> , 2007, 5, 207-222.	1.5	43
14	Resting-state EEG activity predicts frontoparietal network reconfiguration and improved attentional performance. <i>Scientific Reports</i> , 2020, 10, 5064.	1.6	43
15	Attention-dependent coupling between beta activities recorded in the cat's thalamic and cortical representations of the central visual field. <i>European Journal of Neuroscience</i> , 2003, 17, 421-426.	1.2	38
16	Extracting functional components of neural dynamics with Independent Component Analysis and inverse Current Source Density. <i>Journal of Computational Neuroscience</i> , 2010, 29, 459-473.	0.6	37
17	Coupling of beta and gamma activity in corticothalamic system of cats attending to visual stimuli. <i>NeuroReport</i> , 1999, 10, 3589-3594.	0.6	35
18	Why does the human brain need to be a nonlinear system?. <i>Behavioral and Brain Sciences</i> , 1996, 19, 302-303.	0.4	34

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19	EEG-neurofeedback training of beta band (12–22 Hz) affects alpha and beta frequencies – A controlled study of a healthy population. <i>Neuropsychologia</i> , 2018, 108, 13-24.	0.7	32
20	Increased excitability of cortical neurons induced by associative learning: an <i>ex vivo</i> study. <i>European Journal of Neuroscience</i> , 2010, 32, 1715-1725.	1.2	25
21	Gating of the sensory activity within barrel cortex of the awake rat. <i>Experimental Brain Research</i> , 1998, 123, 117-123.	0.7	23
22	Private inhibitory systems for the X and Y pathways in the dorsal lateral geniculate nucleus of the cat. <i>Journal of Physiology</i> , 1990, 429, 259-280.	1.3	22
23	Cortical modulation of neuronal activity in the cat's lateral geniculate and perigeniculate nuclei. <i>Experimental Neurology</i> , 2005, 196, 54-72.	2.0	18
24	Identification of principal components in cortical evoked potentials by brief surface cooling. <i>Clinical Neurophysiology</i> , 2001, 112, 1720-1725.	0.7	17
25	Beware: Recruitment of Muscle Activity by the EEG-Neurofeedback Trainings of High Frequencies. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 119.	1.0	17
26	Involvement of NMDA receptor complex in the anxiolytic-like effects of chlordiazepoxide in mice. <i>Journal of Neural Transmission</i> , 2011, 118, 857-864.	1.4	16
27	Variability of Visual Responses of Superior Colliculus Neurons Depends on Stimulus Velocity. <i>Journal of Neuroscience</i> , 2010, 30, 3199-3209.	1.7	15
28	The 5–12 Hz oscillations in the barrel cortex of awake rats – Sustained attention during behavioral idling?. <i>Clinical Neurophysiology</i> , 2011, 122, 483-489.	0.7	15
29	Transient changes of electrical activity in the rat barrel cortex during conditioning. <i>Brain Research</i> , 1998, 786, 1-10.	1.1	14
30	Visual classification of X and Y perigeniculate neurons of the cat. <i>Experimental Brain Research</i> , 1994, 101, 307-313.	0.7	13
31	Towards electrophysiological correlates of auditory perception of temporal order. <i>Neuroscience Letters</i> , 2008, 437, 139-143.	1.0	13
32	Alertness opens the effective flow of sensory information through rat thalamic posterior nucleus. <i>European Journal of Neuroscience</i> , 2015, 41, 1321-1331.	1.2	13
33	The relationship between alpha burst activity and the default mode network. <i>Acta Neurobiologiae Experimentalis</i> , 2018, 78, 92-106.	0.4	12
34	Spontaneous variability reveals principal components in cortical evoked potentials. <i>NeuroReport</i> , 1998, 9, 2627-2631.	0.6	10
35	Reciprocal inhibition and slow calcium decay in perigeniculate interneurons explain changes of spontaneous firing of thalamic cells caused by cortical inactivation. <i>Journal of Computational Neuroscience</i> , 2013, 34, 461-476.	0.6	10
36	Local resource depletion hypothesis as a mechanism for action selection in the brain. <i>Behavioral and Brain Sciences</i> , 2013, 36, 682-683.	0.4	9

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37	Large-scale brain networks underlying non-spatial attention updating: Towards understanding the function of the temporoparietal junction. <i>Cortex</i> , 2020, 133, 247-265.	1.1	9
38	Feedforward and recurrent inhibitory receptive fields of principal cells in the cat's dorsal lateral geniculate nucleus. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 277-294.	1.3	6
39	Sparse Correlation Kernel Analysis and Evolutionary Algorithm-Based Modeling of the Sensory Activity within the Rat's Barrel Cortex. <i>Lecture Notes in Computer Science</i> , 2002, , 198-212.	1.0	6
40	Evolutionary Algorithms and Rough Sets-Based Hybrid Approach to Classificatory Decomposition of Cortical Evoked Potentials. <i>Lecture Notes in Computer Science</i> , 2002, , 621-628.	1.0	5
41	Cross-trial correlation analysis of evoked potentials reveals arousal-related attenuation of thalamo-cortical coupling. <i>Journal of Computational Neuroscience</i> , 2010, 29, 485-493.	0.6	4
42	Stronger connectivity and higher extraversion protect against stress-related deterioration of cognitive functions. <i>Scientific Reports</i> , 2021, 11, 17452.	1.6	4
43	The Primary Visual Cortex Is Differentially Modulated by Stimulus-Driven and Top-Down Attention. <i>PLoS ONE</i> , 2016, 11, e0145379.	1.1	4
44	Cortical contribution to sensory volleys recorded at thalamic nuclei of lemniscal and paralemniscal pathways. <i>Acta Neurobiologiae Experimentalis</i> , 2003, 63, 377-82.	0.4	4
45	Gap junction blockade eliminates supralinear summation of fast (>200Hz) oscillatory components during sensory integration in the rat barrel cortex. <i>Brain Research Bulletin</i> , 2011, 85, 424-428.	1.4	3
46	Beyond Difference in Reaction Time: Understanding Neuronal Activity during the Preparatory Period of the Decision Process. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 263-278.	1.1	3
47	20 Hz Bursts of Activity in the Cortico-Thalamic Pathway During Attentive Perception. , 1994, , 311-324.		3
48	Cholinergic and Noradrenergic Modulation of Corticothalamic Synaptic Input From Layer 6 to the Posteromedial Thalamic Nucleus in the Rat. <i>Frontiers in Neural Circuits</i> , 2021, 15, 624381.	1.4	2
49	The relationship between alpha burst activity and the default mode network. <i>Acta Neurobiologiae Experimentalis</i> , 2018, 78, 92-113.	0.4	2
50	Sorting functional classes of evoked potentials by wavelets. <i>Neuroinformatics</i> , 2003, 1, 193-202.	1.5	1
51	Effect of cortex inactivation on spontaneous activity of cells in perigeniculate and dorsal lateral geniculate nuclei. <i>BMC Neuroscience</i> , 2013, 14, .	0.8	1
52	Lateral Inhibition Organizes Beta Attentional Modulation in the Primary Visual Cortex. <i>International Journal of Neural Systems</i> , 2019, 29, 1850047.	3.2	1
53	A hidden message: Decoding artistic intent. <i>PsyCh Journal</i> , 2020, 9, 507-512.	0.5	1
54	The need of neuroinformatic approach in functional neurophysiology. <i>Acta Neurobiologiae Experimentalis</i> , 2005, 65, 421-3.	0.4	1

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55	Cortical modulation of neuronal activity in the cat's lateral geniculate and perigeniculate nuclei: a modeling study. BMC Neuroscience, 2011, 12, .	0.8	0
56	Neuroengineering control and regulation of behavior. , 2014, , .		0
57	Capturing the essence of decision making should not be oversimplified. Behavioral and Brain Sciences, 2014, 37, 85-85.	0.4	0
58	Analysis of neural networks in subcortical visual structures using correlation methods. , 2014, , .		0
59	Lateral Inhibition as the organizer of the bottom-up attentional modulation in the primary visual cortex. BMC Neuroscience, 2015, 16, .	0.8	0
60	Reduction in spontaneous firing of mouse excitatory layer 4 cortical neurons following visual classical conditioning. , 2017, , .		0
61	Spectral analysis versus signal complexity methods for assessing attention related activity in human EEG*. , 2019, 2019, 4517-4520.		0
62	Czy doświadczenie Benjamina Libeta rzeczywiście kwestionuje woln... woln™? Próbby wyjaśnienia paradoksu. Cosmos: Problems of Biological Sciences, 2020, 69, 135-143.	0.0	0