Alexander Ya Kaplan

List of Publications by Year
in descending order

28 papers	992 citations	430754 18 h-index	526166 27 g-index
30 all docs	30 docs citations	30 times ranked	994 citing authors

#	Article	IF	Citations
1	Nonstationary nature of the brain activity as revealed by EEG/MEG: Methodological, practical and conceptual challenges. Signal Processing, 2005, 85, 2190-2212.	2.1	233
2	Assessing motor imagery in brain-computer interface training: Psychological and neurophysiological correlates. Neuropsychologia, 2017, 97, 56-65.	0.7	73
3	Decoding Movement From Electrocorticographic Activity: A Review. Frontiers in Neuroinformatics, 2019, 13, 74.	1.3	61
4	Stability, reliability and consistency of the compositions of brain oscillations. International Journal of Psychophysiology, 2006, 59, 116-126.	0.5	60
5	Binary classification of multichannel-EEG records based on the Ïµ-complexity of continuous vector functions. Computer Methods and Programs in Biomedicine, 2017, 152, 131-139.	2.6	53
6	Macrostructural EEG characterization based on nonparametric change point segmentation: application to sleep analysis. Journal of Neuroscience Methods, 2001, 106, 81-90.	1.3	50
7	Structural (operational) synchrony of EEG alpha activity during an auditory memory task. NeuroImage, 2003, 20, 529-542.	2.1	48
8	A nonparametric method for the segmentation of the EEG. Computer Methods and Programs in Biomedicine, 1999, 60, 93-106.	2.6	45
9	Analysis of cross-correlations in electroencephalogram signals as an approach to proactive diagnosis of schizophrenia. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1179-1194.	1.2	44
10	The regularities of the discrete nature of multi-variability of EEG spectral patterns. International Journal of Psychophysiology, 2003, 47, 23-41.	0.5	42
11	UNCONSCIOUS OPERANT CONDITIONING IN THE PARADIGM OF BRAIN-COMPUTER INTERFACE BASED ON COLOR PERCEPTION. International Journal of Neuroscience, 2005, 115, 781-802.	0.8	35
12	Event-related potentials in a moving matrix modification of the P300 brain–computer interface paradigm. Neuroscience Letters, 2011, 496, 95-99.	1.0	33
13	A P300-based Brain-Computer Interface with Stimuli on Moving Objects: Four-Session Single-Trial and Triple-Trial Tests with a Game-Like Task Design. PLoS ONE, 2013, 8, e77755.	1.1	29
14	SYSTEMATIC RULES UNDERLYING SPECTRAL PATTERN VARIABILITY: EXPERIMENTAL RESULTS AND A REVIEW OF THE EVIDENCE. International Journal of Neuroscience, 2003, 113, 1447-1473.	0.8	28
15	N1 WAVE IN THE P300 BCI IS NOT SENSITIVE TO THE PHYSICAL CHARACTERISTICS OF STIMULI. Journal of Integrative Neuroscience, 2009, 08, 471-485.	0.8	28
16	Synthetic acth analogue semax displays nootropic-like activity in humans. Neuroscience Research Communications, 1996, 19, 115-123.	0.2	27
17	Modulation of critical brain dynamics using closed-loop neurofeedback stimulation. Clinical Neurophysiology, 2016, 127, 2882-2889.	0.7	22
18	A BCI-Based Vibrotactile Neurofeedback Training Improves Motor Cortical Excitability During Motor Imagery. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1583-1592.	2.7	22

#	Article	IF	Citations
19	Interictal EEG as a physiological adaptation. Part I. Composition of brain oscillations in interictal EEG. Clinical Neurophysiology, 2006, 117, 208-222.	0.7	20
20	Poor BCI Performers Still Could Benefit from Motor Imagery Training. Lecture Notes in Computer Science, 2016, , 46-56.	1.0	15
21	Interictal EEG as a physiological adaptation. Part II. Topographic variability of composition of brain oscillations in interictal EEG. Clinical Neurophysiology, 2006, 117, 789-802.	0.7	9
22	A model for the speed of memory retrieval. Biological Cybernetics, 2003, 89, 313-316.	0.6	3
23	Processing of Sensory Information is Affected by BCI Feedback Being Perceived. Communications in Computer and Information Science, 2020, , 575-580.	0.4	2
24	Combining the extremities on the basis of separation: a new approach to EEG/ERP source localization. International Congress Series, 2005, 1278, 119-122.	0.2	1
25	Motor Imagery Training Improves Reaction Time in Mouse Aiming Task. Lecture Notes in Networks and Systems, 2022, , 1063-1068.	0.5	1
26	High-speed brain-computer communication interface based on code-modulated visual evoked potentials. Bulletin of Russian State Medical University, 2019, , 26-31.	0.3	1
27	The Impact of Afferent Periphery Stimulation on the mu-rhythm ERD During the Motor Imagery. , 2021, , .		0
28	Activation of sensorimotor areas by passive observation of movements: a TMS-EEG study. , 2021, , .		0