Byoung-Kyong Min

List of Publications by Year
in descending order

41 papers	2,144 citations	331538 21 h-index	395590 33 g-index
41 all docs	41 docs citations	41 times ranked	2284 citing authors

#	Article	IF	Citations
1	Deep-Learning-Based Automatic Selection of Fewest Channels for Brainâ€“Machine Interfaces. IEEE Transactions on Cybernetics, 2022, 52, 8668-8680.	6.2	7
2	Electrophysiological Decoding of Spatial and Color Processing in Human Prefrontal Cortex. NeuroImage, 2021, 237, 118165.	2.1	4
3	Rich-club in the brainâ€™s macrostructure: Insights from graph theoretical analysis. Computational and Structural Biotechnology Journal, 2020, 18, 1761-1773.	1.9	45
4	3D CNN based Multilevel Feature Fusion for Workload Estimation. , 2020, , .		0
5	Thalamocortical inhibitory dynamics support conscious perception. NeuroImage, 2020, 220, 117066.	2.1	7
6	Multilevel Feature Fusion With 3D Convolutional Neural Network for EEG-Based Workload Estimation. IEEE Access, 2020, 8, 16009-16021.	2.6	27
7	New Cognitive Neurotechnology Facilitates Studies of Corticalâ€“Subcortical Interactions. Trends in Biotechnology, 2020, 38, 952-962.	4.9	15
8	An online top-down SSVEP-BMI for augmented reality. , 2019, , .		6
9	Applying deep-learning to a top-down SSVEP BMI. , 2018, , .		5
10	Online implementation of top-down SSVEP-BMI. , 2017, , .		1
11	Individual Identification Using Cognitive Electroencephalographic Neurodynamics. IEEE Transactions on Information Forensics and Security, 2017, 12, 2159-2167.	4.5	26
12	Harnessing Prefrontal Cognitive Signals for Brainâ€“Machine Interfaces. Trends in Biotechnology, 2017, 35, 585-597.	4.9	28
13	The absence of resting-state high-gamma cross-frequency coupling in patients with tinnitus. Hearing Research, 2017, 356, 63-73.	0.9	18
14	Top-down and bottom-up neurodynamic evidence in patients with tinnitus. Hearing Research, 2016, 342, 86-100.	0.9	39
15	Decoding of top-down cognitive processing for SSVEP-controlled BMI. Scientific Reports, 2016, 6, 36267.	1.6	26
16	A feedback training system using cognitive brain-computer interface. , 2015, , .		0
17	Porohyperelastic anatomical models for hydrocephalus and idiopathic intracranial hypertension. Journal of Neurosurgery, 2015, 122, 1330-1340.	0.9	15
18	Blue light aids in coping with the post-lunch dip: an EEG study. Ergonomics, 2015, 58, 803-810.	1.1	35

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19	Future Directions for Brain-Machine Interfacing Technology. Trends in Augmentation of Human Performance, 2015, , 3-18.	0.4	1
20	Neurophysiologic Correlates of Sonication Treatment in Patients with Essential Tremor. Ultrasound in Medicine and Biology, 2015, 41, 124-131.	0.7	15
21	A brain-computer interfacing system using prefrontal EEG signals. , 2014, , .		0
22	Neurophysiological evidence for the country-of-origin effect. NeuroReport, 2014, 25, 274-278.	0.6	9
23	Electroencephalography/sonication-mediated human brainâ€“brain interfacing technology. Trends in Biotechnology, 2014, 32, 345-346.	4.9	4
24	Feature selection for brain-computer interface using nearest neighbor information. , 2014, , .		1
25	Eeg/sonication-based brain-brain interfacing. , 2013, , .		1
26	Bright illumination reduces parietal EEG alpha activity during a sustained attention task. Brain Research, 2013, 1538, 83-92.	1.1	44
27	Illumination influences working memory: An EEG study. Neuroscience, 2013, 247, 386-394.	1.1	26
28	Focused ultrasound modulates region-specific brain activity. NeuroImage, 2011, 56, 1267-1275.	2.1	494
29	Prestimulus top-down reflection of obsessive-compulsive disorder in EEG frontal theta and occipital alpha oscillations. Neuroscience Letters, 2011, 496, 181-185.	1.0	26
30	Transcranial focused ultrasound to the thalamus alters anesthesia time in rats. NeuroReport, 2011, 22, 783-787.	0.6	107
31	A review of low-intensity focused ultrasound pulsation. Brain Stimulation, 2011, 4, 125-136.	0.7	332
32	Focused ultrasound-mediated suppression of chemically-induced acute epileptic EEG activity. BMC Neuroscience, 2011, 12, 23.	0.8	226
33	Focused ultrasound modulates the level of cortical neurotransmitters: Potential as a new functional brain mapping technique. International Journal of Imaging Systems and Technology, 2011, 21, 232-240.	2.7	72
34	Neuroimaging-based approaches in the brainâ€“computer interface. Trends in Biotechnology, 2010, 28, 552-560.	4.9	114
35	Task-related modulation of anterior theta and posterior alpha EEG reflects top-down preparation. BMC Neuroscience, 2010, 11, 79.	0.8	67
36	A thalamic reticular networking model of consciousness. Theoretical Biology and Medical Modelling, 2010, 7, 10.	2.1	82

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37	EEG oscillations reflect visual short-term memory processes for the change detection in human faces. NeuroImage, 2010, 53, 629-637.	2.1	19
38	Prestimulus EEG alpha activity reflects temporal expectancy. Neuroscience Letters, 2008, 438, 270-274.	1.0	25
39	The best of both worlds: Phase-reset of human EEG alpha activity and additive power contribute to ERP generation. International Journal of Psychophysiology, 2007, 65, 58-68.	0.5	88
40	Analysis of a choice-reaction task yields a new interpretation of Libet's experiments. International Journal of Psychophysiology, 2007, 67, 151-7.	0.5	23
41	Prestimulus EEG alpha activity reflects prestimulus top-down processing. Neuroscience Letters, 2007, 422, 131-135.	1.0	64