Hakseung Kim

List of Publications by Year
in descending order

		933264	940416
42 papers	314 citations	10 h-index	16 g-index
42 all docs	42 docs citations	42 times ranked	362 citing authors

#	Article	IF	Citations
1	Comparative analysis of features extracted from EEG spatial, spectral and temporal domains for binary and multiclass motor imagery classification. Information Sciences, 2019, 502, 190-200.	4.0	53
2	Thresholds of resistance to CSF outflow in predicting shunt responsiveness. Neurological Research, 2015, 37, 332-340.	0.6	29
3	Quantitative analysis of computed tomography images and early detection of cerebral edema for pediatric traumatic brain injury patients: retrospective study. BMC Medicine, 2014, 12, 186.	2.3	28
4	Finite element analysis of periventricular lucency in hydrocephalus: extravasation or transependymal CSF absorption?. Journal of Neurosurgery, 2016, 124, 334-341.	0.9	17
5	Novel index for predicting mortality during the first 24 hours after traumatic brain injury. Journal of Neurosurgery, 2019, 131, 1887-1895.	0.9	16
6	Porohyperelastic anatomical models for hydrocephalus and idiopathic intracranial hypertension. Journal of Neurosurgery, 2015, 122, 1330-1340.	0.9	15
7	Morphological Feature Extraction From a Continuous Intracranial Pressure Pulse via a Peak Clustering Algorithm. IEEE Transactions on Biomedical Engineering, 2016, 63, 2169-2176.	2.5	15
8	Automated artifact elimination of physiological signals using a deep belief network: An application for continuously measured arterial blood pressure waveforms. Information Sciences, 2018, 456, 145-158.	4.0	13
9	Prediction of Life-Threatening Intracranial Hypertension During the Acute Phase of Traumatic Brain Injury Using Machine Learning. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3967-3976.	3.9	12
10	Artifact removal from neurophysiological signals: impact on intracranial and arterial pressure monitoring in traumatic brain injury. Journal of Neurosurgery, 2020, 132, 1952-1960.	0.9	12
11	A Comparison of Oversampling Methods for Constructing a Prognostic Model in the Patient with Heart Failure. , 2020, , .		12
12	Autonomic Dysfunction in Sleep Disorders: From Neurobiological Basis to Potential Therapeutic		

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19	An Ensemble Deep Learning Approach for Sleep Stage Classification via Single-channel EEG and EOG. , 2020, , .		6
20	Comparative Analysis of NIRS-EEG Motor Imagery Data Using Features from Spatial, Spectral and Temporal Domain. , 2020, , .		5
21	Sequential Transfer Learning via Segment After Cue Enhances the Motor Imagery-based Brain-Computer Interface. , 2021, , .		4
22	Cerebrospinal fluid dynamics correlate with neurogenic claudication in lumbar spinal stenosis. PLoS ONE, 2021, 16, e0250742.	1.1	4
23	Recurrent convolutional neural network model based on temporal and spatial feature for motor imagery classification. , 2019, , .		3
24	Improving Sleep Stage Classification Performance by Single-Channel EEG Data Augmentation via Spectral Band Blending. , 2021, , .		3
25	Spectral analysis of intracranial pressure: Is it helpful in the assessment of shunt functioning in-vivo?. Clinical Neurology and Neurosurgery, 2016, 142, 112-119.	0.6	2
26	Phase Transition in previous Motor Imagery affects Efficiency of Motor Imagery based Brain-computer Interface. , 2021, , .		2
27	Lateralization of alpha oscillation under preparation Lead to Efficiency of Motor Imagery: Related with Performance of Classification. , 2020, , .		2
28	Automated artefact elimination in computed tomography: A preliminary report for traumatic brain injury and stroke. , 2015, , .		1
29	Robust arterial blood pressure onset detection method from signal artifacts. , 2018, , .		1
30	Exploring the Number of Repetitions in Trials for the Performance Convergence of Classification in Motor Imagery Task with Hand-Grasping. , 2019, , .		1
31	Classification of the Motion Artifacts in Near-infrared Spectroscopy Based on Wavelet Statistical Feature. , 2019, , .		1
32	Intracranial Densitometry-Augmented Machine Learning Enhances the Prognostic Value of Brain CT in Pediatric Patients With Traumatic Brain Injury: A Retrospective Pilot Study. Frontiers in Pediatrics, 2021, 9, 750272.	0.9	1
33	The age-related difference in computed tomography density distribution: A preliminary report. , 2015, , .		0
34	Semi-automatic designation and segmentation of vertebra and spinal cord in spinal MR imaging: A preliminary report. , 2015, , .		0
35	Morphological landmark detection in arterial blood pressure and intracranial pressure: Preliminary procedures for intracranial pressure waveform analysis. , 2015, , .		0
36	Noninvasive assessment of intracranial pressure using functional matrix estimation method. , 2015, , .		0

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37	Automated phase segmentation in cerebrospinal fluid infusion test. , 2015, , .		0
38	Reduced Burden of Individual Calibration Process in Brain-Computer Interface by Clustering the Subjects based on Brain Activation. , 2019, , .		0
39	Functional Neuromonitoring in Acquired Head Injury. Trends in Augmentation of Human Performance, 2015, , 169-182.	0.4	0
40	Finite Element Model for Hydrocephalus and Idiopathic Intracranial Hypertension. Acta Neurochirurgica Supplementum, 2016, 122, 157-159.	0.5	0
41	Complex Motor Imagery-based Brain-Computer Interface System: A Comparison Between Different Classifiers. , 2020, , .		0
42	Importance of the Quantitative Change of EEG Theta/Beta Ratio Between Preparation and Motor Imagery: Correlation with the Performance of Classification. , 2022, , .		0