

Dong-Joo Kim

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

940
citations

623188

14
h-index

476904

29
g-index

53
all docs

53
docs citations

53
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain-Controlled Robotic Arm System Based on Multi-Directional CNN-BiLSTM Network Using EEG Signals. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1226-1238.	2.7	177
2	What Shapes Pulse Amplitude of Intracranial Pressure?. <i>Journal of Neurotrauma</i> , 2010, 27, 317-324.	1.7	84
3	INDEX OF CEREBROSPINAL COMPENSATORY RESERVE IN HYDROCEPHALUS. <i>Neurosurgery</i> , 2009, 64, 494-502.	0.6	73
4	The monitoring of relative changes in compartmental compliances of brain. <i>Physiological Measurement</i> , 2009, 30, 647-659.	1.2	58
5	Comparative analysis of features extracted from EEG spatial, spectral and temporal domains for binary and multiclass motor imagery classification. <i>Information Sciences</i> , 2019, 502, 190-200.	4.0	53
6	Continuous Monitoring of the Monro-Kellie Doctrine: Is It Possible?. <i>Journal of Neurotrauma</i> , 2012, 29, 1354-1363.	1.7	52
7	Cerebrovascular pressure reactivity monitoring using wavelet analysis in traumatic brain injury patients: A retrospective study. <i>PLoS Medicine</i> , 2017, 14, e1002348.	3.9	48
8	Validation of Pressure Reactivity and Pulse Amplitude Indices against the Lower Limit of Autoregulation, Part I: Experimental Intracranial Hypertension. <i>Journal of Neurotrauma</i> , 2018, 35, 2803-2811.	1.7	46
9	Monitoring of Optimal Cerebral Perfusion Pressure in Traumatic Brain Injured Patients Using a Multi-Window Weighting Algorithm. <i>Journal of Neurotrauma</i> , 2017, 34, 3081-3088.	1.7	45
10	Thresholds of resistance to CSF outflow in predicting shunt responsiveness. <i>Neurological Research</i> , 2015, 37, 332-340.	0.6	29
11	Quantitative analysis of computed tomography images and early detection of cerebral edema for pediatric traumatic brain injury patients: retrospective study. <i>BMC Medicine</i> , 2014, 12, 186.	2.3	28
12	Classification of Hand Motions within EEG Signals for Non-Invasive BCI-Based Robot Hand Control. , 2018, , .		26
13	Impaired cerebral compensatory reserve is associated with admission imaging characteristics of diffuse insult in traumatic brain injury. <i>Acta Neurochirurgica</i> , 2018, 160, 2277-2287.	0.9	24
14	Novel index for predicting mortality during the first 24 hours after traumatic brain injury. <i>Journal of Neurosurgery</i> , 2019, 131, 1887-1895.	0.9	16
15	Porohyperelastic anatomical models for hydrocephalus and idiopathic intracranial hypertension. <i>Journal of Neurosurgery</i> , 2015, 122, 1330-1340.	0.9	15
16	Morphological Feature Extraction From a Continuous Intracranial Pressure Pulse via a Peak Clustering Algorithm. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2169-2176.	2.5	15
17	Decoding of Multi-directional Reaching Movements for EEG-Based Robot Arm Control. , 2018, , .		15
18	Automated artifact elimination of physiological signals using a deep belief network: An application for continuously measured arterial blood pressure waveforms. <i>Information Sciences</i> , 2018, 456, 145-158.	4.0	13

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Autonomic Dysfunction in Sleep Disorders: From Neurobiological Basis to Potential Therapeutic		

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37	Automated artefact elimination in computed tomography: A preliminary report for traumatic brain injury and stroke. , 2015, , .		1
38	Robust arterial blood pressure onset detection method from signal artifacts. , 2018, , .		1
39	Exploring the Number of Repetitions in Trials for the Performance Convergence of Classification in Motor Imagery Task with Hand-Grasping. , 2019, , .		1
40	Classification of the Motion Artifacts in Near-infrared Spectroscopy Based on Wavelet Statistical Feature. , 2019, , .		1
41	Intracranial Densitometry-Augmented Machine Learning Enhances the Prognostic Value of Brain CT in Pediatric Patients With Traumatic Brain Injury: A Retrospective Pilot Study. <i>Frontiers in Pediatrics</i> , 2021, 9, 750272.	0.9	1
42	Estimation on the development of cerebral edema from computed tomography preliminary studies for pediatric traumatic brain injury patients. , 2013, , .		0
43	The age-related difference in computed tomography density distribution: A preliminary report. , 2015, , .		0
44	Semi-automatic designation and segmentation of vertebra and spinal cord in spinal MR imaging: A preliminary report. , 2015, , .		0
45	Morphological landmark detection in arterial blood pressure and intracranial pressure: Preliminary procedures for intracranial pressure waveform analysis. , 2015, , .		0
46	Neuromonitoring in acquired brain injury. , 2015, , .		0
47	Noninvasive assessment of intracranial pressure using functional matrix estimation method. , 2015, , .		0
48	Automated phase segmentation in cerebrospinal fluid infusion test. , 2015, , .		0
49	Evaluation of outlier prevalence of density distribution in brain computed tomography: Comparison of kurtosis and quartile statistics. , 2018, , .		0
50	Reduced Burden of Individual Calibration Process in Brain-Computer Interface by Clustering the Subjects based on Brain Activation. , 2019, , .		0
51	Finite Element Model for Hydrocephalus and Idiopathic Intracranial Hypertension. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 157-159.	0.5	0
52	Complex Motor Imagery-based Brain-Computer Interface System: A Comparison Between Different Classifiers. , 2020, , .		0