

Sujoy Ghosh Hajra

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

515
citations

623188

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752256

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all docs

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docs citations

41
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing Brain Vital Signs: Initial Framework for Monitoring Brain Function Changes Over Time. <i>Frontiers in Neuroscience</i> , 2016, 10, 211.	1.4	40
2	Brain vital signs detect concussion-related neurophysiological impairments in ice hockey. <i>Brain</i> , 2019, 142, 255-262.	3.7	36
3	Improved Localization Accuracy in Magnetic Source Imaging Using a 3-D Laser Scanner. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 3491-3497.	2.5	34
4	Multimodal characterization of the semantic N400 response within a rapid evaluation brain vital sign framework. <i>Journal of Translational Medicine</i> , 2018, 16, 151.	1.8	33
5	Artificial intelligence in brain MRI analysis of Alzheimer's disease over the past 12 years: A systematic review. <i>Ageing Research Reviews</i> , 2022, 77, 101614.	5.0	33
6	Spontaneous Blinks Activate the Precuneus: Characterizing Blink-Related Oscillations Using Magnetoencephalography. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 489.	1.0	27
7	A rapid event-related potential (ERP) method for point-of-care evaluation of brain function: Development of the Halifax Consciousness Scanner. <i>Journal of Neuroscience Methods</i> , 2015, 245, 64-72.	1.3	26
8	Virtual Reality Simulator. <i>Surgical Innovation</i> , 2013, 20, 190-197.	0.4	24
9	Towards Brain First-Aid: A Diagnostic Device for Conscious Awareness. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 750-754.	2.5	23
10	White Matter Neuroplasticity: Motor Learning Activates the Internal Capsule and Reduces Hemodynamic Response Variability. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 509258.	1.0	20
11	Detection of event-related potentials in individual subjects using support vector machines. <i>Brain Informatics</i> , 2015, 2, 1-12.	1.8	18
12	Cognitive loading via mental arithmetic modulates effects of blink-related oscillations on precuneus and ventral attention network regions. <i>Human Brain Mapping</i> , 2019, 40, 377-393.	1.9	18
13	Electrophysiology of Inhibitory Control in the Context of Emotion Processing in Children With Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 78.	1.0	17
14	Differential neural processing of spontaneous blinking under visual and auditory sensory environments: An EEG investigation of blink-related oscillations. <i>NeuroImage</i> , 2020, 218, 116879.	2.1	17
15	Simulation-based training for burr hole surgery instrument recognition. <i>BMC Medical Education</i> , 2016, 16, 153.	1.0	16
16	Long-Term Motor Recovery After Severe Traumatic Brain Injury: Beyond Established Limits. <i>Journal of Head Trauma Rehabilitation</i> , 2016, 31, E50-E58.	1.0	15
17	Imaging functional neuroplasticity in human white matter tracts. <i>Brain Structure and Function</i> , 2022, 227, 381-392.	1.2	15
18	Accessing knowledge of the "here and now": a new technique for capturing electromagnetic markers of orientation processing. <i>Journal of Neural Engineering</i> , 2019, 16, 016008.	1.8	14

#	ARTICLE	IF	CITATIONS
19	Subconcussive brain vital signs changes predict head-impact exposure in ice hockey players. Brain Communications, 2021, 3, fcab019.	1.5	11
20	Portable neuromodulation induces neuroplasticity to re-activate motor function recovery from brain injury: a high-density MEG case study. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 158.	2.4	9
21	Good data? The EEG Quality Index for Automated Assessment of Signal Quality. , 2019, , .		8
22	Novel Signal Processing Technique for Capture and Isolation of Blink-Related Oscillations Using a Low-Density Electrode Array for Bedside Evaluation of Consciousness. IEEE Transactions on Biomedical Engineering, 2020, 67, 453-463.	2.5	8
23	Brain Vital Signs Detect Cognitive Improvements During Combined Physical Therapy and Neuromodulation in Rehabilitation From Severe Traumatic Brain Injury: A Case Report. Frontiers in Human Neuroscience, 2020, 14, 347.	1.0	8
24	A comparison of ECG and EEG metrics for in-flight monitoring of helicopter pilot workload. , 2020, , .		7
25	Enabling event-related potential assessments using low-density electrode arrays: A new technique for denoising individual channel EEG data. , 2020, , .		6
26	Asymmetric Weighting to Optimize Regional Sensitivity in Combined fMRI-MEG Maps. Brain Topography, 2016, 29, 1-12.	0.8	5
27	Subconcussive changes in youth football players: objective evidence using brain vital signs and instrumented accelerometers. Brain Communications, 2022, 4, fcab286.	1.5	5
28	Distant Sensor Prediction of Event-Related Potentials. IEEE Transactions on Biomedical Engineering, 2020, 67, 2916-2924.	2.5	4
29	Tracking cognitive changes in new-onset epilepsy: Functional imaging challenges. Epilepsia, 2011, 52, 43-46.	2.6	3
30	Point-of-care brain injury evaluation of conscious awareness: wide scale deployment of portable HCS EEG evaluation. Neuroscience of Consciousness, 2018, 2018, niy011.	1.4	3
31	Brain Vital Signs in Elite Ice Hockey: Towards Characterizing Objective and Specific Neurophysiological Reference Values for Concussion Management. Frontiers in Neuroscience, 2021, 15, 670563.	1.4	3
32	Event Related Potential Signal Capture Can Be Enhanced through Dynamic SNR-Weighted Channel Pooling. Sensors, 2021, 21, 7258.	2.1	3
33	P300: Developing an Electrophysiological Indicator of Contextual Orientation. Alzheimer's and Dementia, 2016, 12, P920.	0.4	2
34	Blink and saccade detection from forehead EEG. , 2022, , .		2
35	Reply: P300 amplitudes after concussions are usually decreased not increased. Brain, 2019, 142, e33-e33.	3.7	1
36	A portable brainwave technology in detecting functional brain changes in aging and dementia: A pilot study on feasibility of the application in residential care older adults. Alzheimer's and Dementia, 2020, 16, e038658.	0.4	1

#	ARTICLE	IF	CITATIONS
37	ICâ€Pâ€158: Developing an Electrophysiological Indicator of Contextual Orientation. Alzheimer's and Dementia, 2016, 12, P117.	0.4	0
38	P3â€240: Blinkâ€Related Oscillations as Potential Measure of Default Mode Network (DMN) Activity in Alzheimerâ€™S Disease. Alzheimer's and Dementia, 2016, 12, P918.	0.4	0
39	ICâ€Pâ€160: Developing Brain Vital Signs: Initial Assessments Across The Adult Life Span. Alzheimer's and Dementia, 2016, 12, P118.	0.4	0
40	ICâ€Pâ€162: Blinkâ€Related Oscillations as Potential Measure of Default Mode Network (DMN) Activity in Alzheimerâ€™S Disease (AD). Alzheimer's and Dementia, 2016, 12, P119.	0.4	0
41	P4â€203: Developing Brain Vital Signs: Initial Assessments Across the Adult Lifespan. Alzheimer's and Dementia, 2016, 12, P1102.	0.4	0