

Brendan Z Allison

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

4,125
citations

159525

30
h-index

206029

48
g-index

55
all docs

55
docs citations

55
times ranked

2998
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain-Computer Interfaces in Acute and Subacute Disorders of Consciousness. Journal of Clinical Neurophysiology, 2022, 39, 32-39.	0.9	9
2	Workshops of the eighth international brain-computer interface meeting: BCIs: the next frontier. Brain-Computer Interfaces, 2022, 9, 69-101.	0.9	4
3	Brain-Computer Interface Research: A State-of-the-Art Summary 9. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-12.	0.3	0
4	Brain-Computer Interface Research: A State-of-the-Art Summary 10. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-11.	0.3	0
5	Recent Advances in Brain-Computer Interface Research: A Summary of the 2019 BCI Award and Online BCI Research Activities. Springer Briefs in Electrical and Computer Engineering, 2021, , 143-150.	0.3	0
6	An ERP-based BCI with peripheral stimuli: validation with ALS patients. Cognitive Neurodynamics, 2020, 14, 21-33.	2.3	27
7	Brain Computer Interface Treatment for Motor Rehabilitation of Upper Extremity of Stroke Patients- A Feasibility Study. Frontiers in Neuroscience, 2020, 14, 591435.	1.4	63
8	EEG Biomarkers Related With the Functional State of Stroke Patients. Frontiers in Neuroscience, 2020, 14, 582.	1.4	48
9	Effects of a Vibro-Tactile P300 Based Brain-Computer Interface on the Coma Recovery Scale-Revised in Patients With Disorders of Consciousness. Frontiers in Neuroscience, 2020, 14, 294.	1.4	15
10	30+ years of P300 brain-computer interfaces. Psychophysiology, 2020, 57, e13569.	1.2	46
11	Highlights and Interviews with Winners. Springer Briefs in Electrical and Computer Engineering, 2020, , 107-121.	0.3	4
12	The BR4IN.IO Hackathons. , 2019, , 447-473.		6
13	Workshops of the seventh international brain-computer interface meeting: not getting lost in translation. Brain-Computer Interfaces, 2019, 6, 71-101.	0.9	8
14	Preserved somatosensory discrimination predicts consciousness recovery in unresponsive wakefulness syndrome. Clinical Neurophysiology, 2018, 129, 1130-1136.	0.7	27
15	Assessment and Communication with Vibro-Tactile P300 And Motor Imagery Bcis in DOC and (C)LIS Patients. Archives of Physical Medicine and Rehabilitation, 2018, 99, e36.	0.5	0
16	Brain-computer interfaces for stroke rehabilitation: summary of the 2016 BCI Meeting in Asilomar. Brain-Computer Interfaces, 2018, 5, 41-57.	0.9	6
17	Assessing Command-Following and Communication With Vibro-Tactile P300 Brain-Computer Interface Tools in Patients With Unresponsive Wakefulness Syndrome. Frontiers in Neuroscience, 2018, 12, 423.	1.4	35
18	The BrainHack Project. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
19	Trends in BCI Research I: Brain-Computer Interfaces for Assessment of Patients with Locked-in Syndrome or Disorders of Consciousness. Springer Briefs in Electrical and Computer Engineering, 2017, , 105-125.	0.3	6
20	Brain-Computer Interfaces With Multi-Sensory Feedback for Stroke Rehabilitation: A Case Study. Artificial Organs, 2017, 41, E178-E184.	1.0	37
21	Validation of a Brain-Computer Interface (BCI) System Designed for Patients with Disorders of Consciousness (DOC): Regular and Sham Testing with Healthy Participants. Lecture Notes in Computer Science, 2017, , 253-265.	1.0	6
22	Reaching and Grasping a Glass of Water by Locked-In ALS Patients through a BCI-Controlled Humanoid Robot. Frontiers in Human Neuroscience, 2017, 11, 68.	1.0	50
23	Complete Locked-in and Locked-in Patients: Command Following Assessment and Communication with Vibro-Tactile P300 and Motor Imagery Brain-Computer Interface Tools. Frontiers in Neuroscience, 2017, 11, 251.	1.4	90
24	Recent Advances in Brain-Computer Interface Research—A Summary of the BCI Award 2016 and BCI Research Trends. Springer Briefs in Electrical and Computer Engineering, 2017, , 127-134.	0.3	2
25	Effects of Background Music on Objective and Subjective Performance Measures in an Auditory BCI. Frontiers in Computational Neuroscience, 2016, 10, 105.	1.2	18
26	How Many People Can Use a BCI System?. , 2015, , 33-66.		35
27	A new hybrid BCI paradigm based on P300 and SSVEP. Journal of Neuroscience Methods, 2015, 244, 16-25.	1.3	166
28	AN ERP-BASED BCI USING AN ODDBALL PARADIGM WITH DIFFERENT FACES AND REDUCED ERRORS IN CRITICAL FUNCTIONS. International Journal of Neural Systems, 2014, 24, 1450027.	3.2	103
29	Workshops of the Fifth International Brain-Computer Interface Meeting: Defining the Future. Brain-Computer Interfaces, 2014, 1, 27-49.	0.9	35
30	A four-choice hybrid P300/SSVEP BCI for improved accuracy. Brain-Computer Interfaces, 2014, 1, 17-26.	0.9	43
31	A survey of affective brain computer interfaces: principles, state-of-the-art, and challenges. Brain-Computer Interfaces, 2014, 1, 66-84.	0.9	210
32	Affective brain-computer interfaces: Special Issue editorial. Brain-Computer Interfaces, 2014, 1, 63-65.	0.9	1
33	The Asilomar Survey: Stakeholders'™ Opinions on Ethical Issues Related to Brain-Computer Interfacing. Neuroethics, 2013, 6, 541-578.	1.7	93
34	Brain-computer interfacing: more than the sum of its parts. Soft Computing, 2013, 17, 317-331.	2.1	45
35	A study of the existing problems of estimating the information transfer rate in online brain-computer interfaces. Journal of Neural Engineering, 2013, 10, 026014.	1.8	139
36	Is It Significant? Guidelines for Reporting BCI Performance. Biological and Medical Physics Series, 2012, , 333-354.	0.3	47

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37	P300 brain computer interface: current challenges and emerging trends. <i>Frontiers in Neuroengineering</i> , 2012, 5, 14.	4.8	278
38	A hybrid ERD/SSVEP BCI for continuous simultaneous two dimensional cursor control. <i>Journal of Neuroscience Methods</i> , 2012, 209, 299-307.	1.3	162
39	Recent and Upcoming BCI Progress: Overview, Analysis, and Recommendations. <i>Biological and Medical Physics Series</i> , 2012, , 1-13.	0.3	13
40	The Changing Face of P300 BCIs: A Comparison of Stimulus Changes in a P300 BCI Involving Faces, Emotion, and Movement. <i>PLoS ONE</i> , 2012, 7, e49688.	1.1	125
41	Comparison of Dry and Gel Based Electrodes for P300 Brain-Computer Interfaces. <i>Frontiers in Neuroscience</i> , 2012, 6, 60.	1.4	150
42	A combined brain-computer interface based on P300 potentials and motion-onset visual evoked potentials. <i>Journal of Neuroscience Methods</i> , 2012, 205, 265-276.	1.3	81
43	Optimized stimulus presentation patterns for an event-related potential EEG-based brain-computer interface. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 181-191.	1.6	121
44	Non-invasive Brain-Computer Interfaces: Enhanced Gaming and Robotic Control. <i>Lecture Notes in Computer Science</i> , 2011, , 362-369.	1.0	16
45	Context-Awareness as an Enhancement of Brain-Computer Interfaces. <i>Lecture Notes in Computer Science</i> , 2011, , 216-223.	1.0	14
46	Improved signal processing approaches in an offline simulation of a hybrid brain-computer interface. <i>Journal of Neuroscience Methods</i> , 2010, 188, 165-173.	1.3	105
47	P300 Chinese input system based on Bayesian LDA. <i>Biomedizinische Technik</i> , 2010, 55, 5-18.	0.9	52
48	The hybrid BCI. <i>Frontiers in Neuroscience</i> , 2010, 4, 30.	1.4	431
49	Toward Ubiquitous BCIs. <i>The Frontiers Collection</i> , 2009, , 357-387.	0.1	14
50	Workload assessment of computer gaming using a single-stimulus event-related potential paradigm. <i>Biological Psychology</i> , 2008, 77, 277-283.	1.1	175
51	Towards an independent brain-computer interface using steady state visual evoked potentials. <i>Clinical Neurophysiology</i> , 2008, 119, 399-408.	0.7	294
52	Brain-computer interface systems: progress and prospects. <i>Expert Review of Medical Devices</i> , 2007, 4, 463-474.	1.4	328
53	Effects of SOA and flash pattern manipulations on ERPs, performance, and preference: Implications for a BCI system. <i>International Journal of Psychophysiology</i> , 2006, 59, 127-140.	0.5	104
54	ERPs evoked by different matrix sizes: implications for a brain computer interface (BCI) system. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2003, 11, 110-113.	2.7	225