

Brendan Z Allison

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

4,125
citations

159585
30
h-index

206112
48
g-index

55
all docs

55
docs citations

55
times ranked

2998
citing authors

#	ARTICLE	IF	CITATIONS
1	The hybrid BCI. <i>Frontiers in Neuroscience</i> , 2010, 4, 30.	2.8	431
2	Brain-computer interface systems: progress and prospects. <i>Expert Review of Medical Devices</i> , 2007, 4, 463-474.	2.8	328
3	Towards an independent brain-computer interface using steady state visual evoked potentials. <i>Clinical Neurophysiology</i> , 2008, 119, 399-408.	1.5	294
4	P300 brain computer interface: current challenges and emerging trends. <i>Frontiers in Neuroengineering</i> , 2012, 5, 14.	4.8	278
5	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.	4.9	225
6	A survey of affective brain computer interfaces: principles, state-of-the-art, and challenges. <i>Brain-Computer Interfaces</i> , 2014, 1, 66-84.	1.8	210
7	Workload assessment of computer gaming using a single-stimulus event-related potential paradigm. <i>Biological Psychology</i> , 2008, 77, 277-283.	2.2	175
8	A new hybrid BCI paradigm based on P300 and SSVEP. <i>Journal of Neuroscience Methods</i> , 2015, 244, 16-25.	2.5	166
9	A hybrid ERD/SSVEP BCI for continuous simultaneous two dimensional cursor control. <i>Journal of Neuroscience Methods</i> , 2012, 209, 299-307.	2.5	162
10	Comparison of Dry and Gel Based Electrodes for P300 Brain-Computer Interfaces. <i>Frontiers in Neuroscience</i> , 2012, 6, 60.	2.8	150
11	A study of the existing problems of estimating the information transfer rate in online brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2013, 10, 026014.	3.5	139
12	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.	2.5	125
13	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.	2.8	121
14	Improved signal processing approaches in an offline simulation of a hybrid brain-computer interface. <i>Journal of Neuroscience Methods</i> , 2010, 188, 165-173.	2.5	105
15	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.	1.0	104
16	AN ERP-BASED BCI USING AN ODDBALL PARADIGM WITH DIFFERENT FACES AND REDUCED ERRORS IN CRITICAL FUNCTIONS. <i>International Journal of Neural Systems</i> , 2014, 24, 1450027.	5.2	103
17	The Asilomar Survey: Stakeholders'™ Opinions on Ethical Issues Related to Brain-Computer Interfacing. <i>Neuroethics</i> , 2013, 6, 541-578.	2.8	93
18	Complete Locked-in and Locked-in Patients: Command Following Assessment and Communication with Vibro-Tactile P300 and Motor Imagery Brain-Computer Interface Tools. <i>Frontiers in Neuroscience</i> , 2017, 11, 251.	2.8	90

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19	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.	2.5	81
20	Brain Computer Interface Treatment for Motor Rehabilitation of Upper Extremity of Stroke Patients—A Feasibility Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 591435.	2.8	63
21	P300 Chinese input system based on Bayesian LDA. <i>Biomedizinische Technik</i> , 2010, 55, 5-18.	0.8	52
22	Reaching and Grasping a Glass of Water by Locked-In ALS Patients through a BCI-Controlled Humanoid Robot. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 68.	2.0	50
23	EEG Biomarkers Related With the Functional State of Stroke Patients. <i>Frontiers in Neuroscience</i> , 2020, 14, 582.	2.8	48
24	Is It Significant? Guidelines for Reporting BCI Performance. <i>Biological and Medical Physics Series</i> , 2012, , 333-354.	0.4	47
25	30+ years of P300 brain-computer interfaces. <i>Psychophysiology</i> , 2020, 57, e13569.	2.4	46
26	Brain-computer interfacing: more than the sum of its parts. <i>Soft Computing</i> , 2013, 17, 317-331.	3.6	45
27	A four-choice hybrid P300/SSVEP BCI for improved accuracy. <i>Brain-Computer Interfaces</i> , 2014, 1, 17-26.	1.8	43
28	Brain-Computer Interfaces With Multi-Sensory Feedback for Stroke Rehabilitation: A Case Study. <i>Artificial Organs</i> , 2017, 41, E178-E184.	1.9	37
29	Workshops of the Fifth International Brain-Computer Interface Meeting: Defining the Future. <i>Brain-Computer Interfaces</i> , 2014, 1, 27-49.	1.8	35
30	How Many People Can Use a BCI System?. , 2015, , 33-66.		35
31	Assessing Command-Following and Communication With Vibro-Tactile P300 Brain-Computer Interface Tools in Patients With Unresponsive Wakefulness Syndrome. <i>Frontiers in Neuroscience</i> , 2018, 12, 423.	2.8	35
32	Preserved somatosensory discrimination predicts consciousness recovery in unresponsive wakefulness syndrome. <i>Clinical Neurophysiology</i> , 2018, 129, 1130-1136.	1.5	27
33	An ERP-based BCI with peripheral stimuli: validation with ALS patients. <i>Cognitive Neurodynamics</i> , 2020, 14, 21-33.	4.0	27
34	Effects of Background Music on Objective and Subjective Performance Measures in an Auditory BCI. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 105.	2.1	18
35	Non-invasive Brain-Computer Interfaces: Enhanced Gaming and Robotic Control. <i>Lecture Notes in Computer Science</i> , 2011, , 362-369.	1.3	16
36	Effects of a Vibro-Tactile P300 Based Brain-Computer Interface on the Coma Recovery Scale-Revised in Patients With Disorders of Consciousness. <i>Frontiers in Neuroscience</i> , 2020, 14, 294.	2.8	15

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37	Toward Ubiquitous BCIs. The Frontiers Collection, 2009, , 357-387.	0.2	14
38	Context-Awareness as an Enhancement of Brain-Computer Interfaces. Lecture Notes in Computer Science, 2011, , 216-223.	1.3	14
39	Recent and Upcoming BCI Progress: Overview, Analysis, and Recommendations. Biological and Medical Physics Series, 2012, , 1-13.	0.4	13
40	Brain-Computer Interfaces in Acute and Subacute Disorders of Consciousness. Journal of Clinical Neurophysiology, 2022, 39, 32-39.	1.7	9
41	The BrainHack Project. , 2017, , .		8
42	Workshops of the seventh international brain-computer interface meeting: not getting lost in translation. Brain-Computer Interfaces, 2019, 6, 71-101.	1.8	8
43	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.	0.5	6
44	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.	1.3	6
45	Brain-computer interfaces for stroke rehabilitation: summary of the 2016 BCI Meeting in Asilomar. Brain-Computer Interfaces, 2018, 5, 41-57.	1.8	6
46	The BR4IN.IO Hackathons. , 2019, , 447-473.		6
47	Highlights and Interviews with Winners. Springer Briefs in Electrical and Computer Engineering, 2020, , 107-121.	0.5	4
48	Workshops of the eighth international brain-computer interface meeting: BCIs: the next frontier. Brain-Computer Interfaces, 2022, 9, 69-101.	1.8	4
49	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.	0.5	2
50	Affective brain-computer interfaces: Special Issue editorial. Brain-Computer Interfaces, 2014, 1, 63-65.	1.8	1
51	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.	0.9	0
52	Brain-Computer Interface Research: A State-of-the-Art Summary 9. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-12.	0.5	0
53	Brain-Computer Interface Research: A State-of-the-Art Summary 10. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-11.	0.5	0
54	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.	0.5	0