

Matthew Dyson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6562040/publications.pdf>

Version: 2024-02-01

32
papers

390
citations

933264

10
h-index

887953

17
g-index

35
all docs

35
docs citations

35
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of performance evaluation for motor-imagery based BCI. Journal of Neural Engineering, 2013, 10, 031001.	1.8	89
2	Myoelectric control with abstract decoders. Journal of Neural Engineering, 2018, 15, 056003.	1.8	41
3	Learning, Generalization, and Scalability of Abstract Myoelectric Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1539-1547.	2.7	31
4	A Novel Design of 4-Class BCI Using Two Binary Classifiers and Parallel Mental Tasks. Computational Intelligence and Neuroscience, 2008, 2008, 1-5.	1.1	23
5	A 3-class Asynchronous BCI Controlling A Simulated Mobile Robot. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2524-7.	0.5	20
6	Arduino-Based Myoelectric Control: Towards Longitudinal Study of Prosthesis Use. Sensors, 2021, 21, 763.	2.1	20
7	3D-Printing and Upper-Limb Prosthetic Sockets: Promises and Pitfalls. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 527-535.	2.7	19
8	Perception of Game-Based Rehabilitation in Upper Limb Prosthetic Training: Survey of Users and Researchers. JMIR Serious Games, 2021, 9, e23710.	1.7	13
9	Searching for Happiness Across Cultures. Journal of Cognition and Culture, 2010, 10, 85-107.	0.1	12
10	Serious Games Are Not Serious Enough for Myoelectric Prosthetics. JMIR Serious Games, 2021, 9, e28079.	1.7	12
11	Co-Creation Facilitates Translational Research on Upper Limb Prosthetics. Prosthesis, 2021, 3, 110-118.	1.1	12
12	Sequential classification of mental tasks vs. idle state for EEG based BCIs. , 2009, , .		11
13	Comparison of hand and forearm muscle pairs in controlling of a novel myoelectric interface. , 2016, , .		11
14	Abstract myoelectric control with EMG drive estimated using linear, kurtosis and Bayesian filtering. , 2017, , .		10
15	On the genetic programming of time-series predictors for supply chain management. , 2008, , .		9
16	Co-creation and User Perspectives for Upper Limb Prosthetics. Frontiers in Neurorobotics, 2021, 15, 689717.	1.6	9
17	Mental task classification against the idle state: A preliminary investigation. , 2008, 2008, 4473-7.		7
18	A Comparison of Mental Task Combinations for Asynchronous EEG-Based BCIs. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5055-8.	0.5	6

#	ARTICLE	IF	CITATIONS
19	Online extraction and single trial analysis of regions contributing to erroneous feedback detection. <i>NeuroImage</i> , 2015, 121, 146-158.	2.1	6
20	Data Driven Spatial Filtering Can Enhance Abstract Myoelectric Control in Amputees. , 2018, 2018, 3770-3773.		6
21	Internet of Things for beyond-the-laboratory prosthetics research. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	1.6	6
22	Adaptive Classification by Hybrid EKF with Truncated Filtering: Brain Computer Interfacing. <i>Lecture Notes in Computer Science</i> , 2008, , 370-377.	1.0	4
23	Learning to recognise mental activities. , 2008, , .		3
24	A Network-Enabled Myoelectric Platform for Prototyping Research Outside of the Lab. , 2021, 2021, 7422-7425.		3
25	Engaging Science and Engineering Students in Computing Education through Learner-Created Videos and Physical Computing Tools. , 2020, , .		2
26	Towards User-Centred Prosthetics Research Beyond the Laboratory. <i>Frontiers in Neuroscience</i> , 2022, 16, 863833.	1.4	2
27	Automatic Myoelectric Control Site Detection Using Candid Covariance-Free Incremental Principal Component Analysis. , 2020, 2020, 3497-3500.		1
28	Real-time myoelectric control with an Arduino. , 2020, , .		1
29	Long-Term Myoelectric Training with Delayed Feedback in the Home Environment. , 2021, 2021, 6437-6440.		1
30	Discrimination of Discrete Feedback During Performance of Motor Imagery. , 2012, , .		0
31	Arduino-based embedded system for myoelectric hand prostheses. , 2020, , .		0
32	Remote creation of clinical-standard myoelectric trans-radial bypass sockets during COVID-19. , 2021, 2021, 6500-6503.		0