

Marcia A Bockbrader

List of Publications by Year in descending order

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36
papers

2,093
citations

328504

20
h-index

423188

30
g-index

37
all docs

37
docs citations

37
times ranked

2953
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoring cortical control of functional movement in a human with quadriplegia. <i>Nature</i> , 2016, 533, 247-250.	35.8	761
2	Personality traits in schizophrenia and related personality disorders. <i>Psychiatry Research</i> , 2005, 133, 23-33.	3.4	174
3	Meeting brain-computer interface user performance expectations using a deep neural network decoding framework. <i>Nature Medicine</i> , 2018, 24, 1669-1676.	29.9	130
4	Randomized Sham-Controlled Trial of Navigated Repetitive Transcranial Magnetic Stimulation for Motor Recovery in Stroke. <i>Stroke</i> , 2018, 49, 2138-2146.	5.1	126
5	Steady state visual evoked potential abnormalities in schizophrenia. <i>Clinical Neurophysiology</i> , 2005, 116, 614-624.	2.0	106
6	Restoring the Sense of Touch Using a Sensorimotor Demultiplexing Neural Interface. <i>Cell</i> , 2020, 181, 763-773.e12.	27.7	100
7	Neuroprosthetic-enabled control of graded arm muscle contraction in a paralyzed human. <i>Scientific Reports</i> , 2017, 7, 8386.	3.4	67
8	Subjective Perceptual Distortions and Visual Dysfunction in Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2006, 36, 199-210.	3.1	58
9	Using an Artificial Neural Bypass to Restore Cortical Control of Rhythmic Movements in a Human with Quadriplegia. <i>Scientific Reports</i> , 2016, 6, 33807.	3.4	52
10	Language of Transducer Manipulation. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 183-188.	1.8	51
11	Clinically Significant Gains in Skillful Grasp Coordination by an Individual With Tetraplegia Using an Implanted Brain-Computer Interface With Forearm Transcutaneous Muscle Stimulation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1201-1217.	1.0	43
12	Reducing concussion symptoms among teenage youth: Evaluation of a mobile health app. <i>Brain Injury</i> , 2017, 31, 1279-1286.	1.2	37
13	Does Ultrasound-Enhanced Instruction of Musculoskeletal Anatomy Improve Physical Examination Skills of First-Year Medical Students?. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 225-232.	1.8	35
14	A Characterization of Brain-Computer Interface Performance Trade-Offs Using Support Vector Machines and Deep Neural Networks to Decode Movement Intent. <i>Frontiers in Neuroscience</i> , 2018, 12, 763.	2.9	32
15	Long-term intracortical microelectrode array performance in a human: a 5 year retrospective analysis. <i>Journal of Neural Engineering</i> , 2021, 18, 0460d7.	3.5	30
16	The Current State of Musculoskeletal Ultrasound Education in Physical Medicine and Rehabilitation Residency Programs. <i>PM and R</i> , 2016, 8, 660-666.	1.7	27
17	Extracting wavelet based neural features from human intracortical recordings for neuroprosthetics applications. <i>Bioelectronic Medicine</i> , 2018, 4, 11.	2.7	27
18	A High Definition Noninvasive Neuromuscular Electrical Stimulation System for Cortical Control of Combinatorial Rotary Hand Movements in a Human With Tetraplegia. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 910-919.	4.3	27

#	ARTICLE	IF	CITATIONS
19	Role of intensity-modulated radiation therapy in gastrointestinal cancer. Expert Review of Anticancer Therapy, 2009, 9, 637-647.	2.5	22
20	Sense of agency for intracortical brain-machine interfaces. Nature Human Behaviour, 2022, 6, 565-578.	12.5	21
21	Toward a Consensus for Musculoskeletal Ultrasonography Education in Physical Medicine and Rehabilitation. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 715-724.	1.4	18
22	Classifying Intracortical Brain-Machine Interface Signal Disruptions Based on System Performance and Applicable Compensatory Strategies: A Review. Frontiers in Neurorobotics, 2020, 14, 558987.	2.9	16
23	Upper limb sensorimotor restoration through brain-machine computer interface technology in tetraparesis. Current Opinion in Biomedical Engineering, 2019, 11, 85-101.	3.7	15
24	A feasibility study using interactive graphic art feedback to augment acute neurorehabilitation therapy. NeuroRehabilitation, 2013, 33, 481-490.	1.3	13
25	Big data challenges in decoding cortical activity in a human with quadriplegia to inform a brain computer interface. , 2016, 2016, 3084-3087.		13
26	Neuroprosthetics. , 2019, , 241-253.		9
27	Beyond Bones: Assessing Whether Ultrasound-Aided Instruction and Practice Improve Unassisted Soft Tissue Palpation Skills of First-Year Medical Students. Journal of Ultrasound in Medicine, 2019, 38, 2047-2055.	1.8	8
28	Advances in BCI: A Neural Bypass Technology to Reconnect the Brain to the Body. Springer Briefs in Electrical and Computer Engineering, 2017, , 9-20.	0.0	3
29	Physician-Monitored Home tDCS for Post-Brain Injury Fatigue, Depression and Headache: A Case Report. Brain Stimulation, 2017, 10, e33-e34.	1.6	3
30	Poster 57 Transcranial Direct Current Stimulation for Minimally Conscious State: A Case Report. PM and R, 2015, 7, S110-S110.	1.7	2
31	Poster 253 Implanted Brain-Computer Interface Controlling a Neuroprosthetic for Increasing Upper Limb Function in a Human with Tetraparesis. PM and R, 2016, 8, S242-S243.	1.7	2
32	A double-blind, randomized, controlled study of two dose strengths of dalfampridine extended release on walking deficits in ischemic stroke. Restorative Neurology and Neuroscience, 2020, 38, 301-309.	0.8	1
33	Restoring the Sense of Touch Using a Sensorimotor Demultiplexing Neural Interface: "Disentangling"™ Sensorimotor Events During Brain-Computer Interface Control. Springer Briefs in Electrical and Computer Engineering, 2021, , 75-85.	0.0	1
34	Towards a Modular Brain-Machine Interface for Intelligent Vehicle Systems Control " A CARLA Demonstration. , 2019, , .		0
35	The Feasibility of Action Observation and Repetitive-Task Practice Combined for Chronic Stroke Survivor Upper Limb Outcomes. American Journal of Occupational Therapy, 2021, 75, 7512505158p1-7512505158p1.	0.3	0
36	Feasibility of Action Observation and Repetitive-Task Practice Combined for Chronic Stroke Survivor Upper Limb Outcomes. American Journal of Occupational Therapy, 2021, 75, 7512505159p1-7512505159p1.	0.3	0