

Douglas J Weber

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,377
citations

394421

19
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

3557
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic detection and reversal of myocardial ischemia using an artificially intelligent bioelectronic medicine. <i>Science Advances</i> , 2022, 8, eabj5473.	10.3	4
2	Motor neuroprosthesis implanted with neurointerventional surgery improves capacity for activities of daily living tasks in severe paralysis: first in-human experience. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 102-108.	3.3	106
3	Recruitment of Primary Afferents by Dorsal Root Ganglion Stimulation using the Injectrode. , 2021, 2021, 609-612.		0
4	Electrical stimulation of the external ear acutely activates noradrenergic mechanisms in humans. <i>Brain Stimulation</i> , 2021, 14, 990-1001.	1.6	23
5	A modular strategy for next-generation upper-limb sensory-motor neuroprostheses. <i>Med</i> , 2021, 2, 912-937.	4.4	16
6	Stimulation of the dorsal root ganglion using an Injectrode [®] . <i>Journal of Neural Engineering</i> , 2021, 18, 056068.	3.5	9
7	Sensing and decoding the neural drive to paralyzed muscles during attempted movements of a person with tetraplegia using a sleeve array. <i>Journal of Neurophysiology</i> , 2021, 126, 2104-2118.	1.8	23
8	Augmented Transcutaneous Stimulation Using an Injectable Electrode: A Computational Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 796042.	4.1	4
9	Selectivity of afferent microstimulation at the DRG using epineural and penetrating electrode arrays. <i>Journal of Neural Engineering</i> , 2020, 17, 016011.	3.5	16
10	DRG microstimulation evokes postural responses in awake, standing felines. <i>Journal of Neural Engineering</i> , 2020, 17, 016014.	3.5	8
11	Hindlimb motor responses evoked by microstimulation of the lumbar dorsal root ganglia during quiet standing. <i>Journal of Neural Engineering</i> , 2020, 17, 016019.	3.5	4
12	EEG-based trial-by-trial texture classification during active touch. <i>Scientific Reports</i> , 2020, 10, 20755.	3.3	8
13	Host tissue response to floating microelectrode arrays chronically implanted in the feline spinal nerve. <i>Journal of Neural Engineering</i> , 2020, 17, 046012.	3.5	7
14	Effects of MEG-based neurofeedback for hand rehabilitation after tetraplegia: preliminary findings in cortical modulations and grip strength. <i>Journal of Neural Engineering</i> , 2020, 17, 026019.	3.5	5
15	Long-gap peripheral nerve repair through sustained release of a neurotrophic factor in nonhuman primates. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	94
16	Advances in motion and electromyography based wearable technology for upper extremity function rehabilitation: A review. <i>Journal of Hand Therapy</i> , 2020, 33, 180-187.	1.5	14
17	A wearable neural interface for detecting and decoding attempted hand movements in a person with tetraplegia. , 2019, 2019, 1930-1933.		14
18	An Injectable Neural Stimulation Electrode Made from an Inâ€Body Curing Polymer/Metal Composite. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900892.	7.6	32

#	ARTICLE	IF	CITATIONS
19	Recording single- and multi-unit neuronal action potentials from the surface of the dorsal root ganglion. <i>Scientific Reports</i> , 2019, 9, 2786.	3.3	22
20	Neural Interfaces: An Injectable Neural Stimulation Electrode Made from an Inâ€Bdy Curing Polymer/Metal Composite (<i>Adv. Healthcare Mater.</i> 23/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970090.	7.6	1
21	What is the functional relevance of reorganization in primary motor cortex after spinal cord injury?. <i>Neurobiology of Disease</i> , 2019, 121, 286-295.	4.4	16
22	Effects of Synchronous Electrode Pulses on Neural Recruitment During Multichannel Microstimulation. <i>Scientific Reports</i> , 2018, 8, 13067.	3.3	9
23	Altered modulation of sensorimotor rhythms with chronic paralysis. <i>Journal of Neurophysiology</i> , 2017, 118, 2412-2420.	1.8	15
24	Human perception of electrical stimulation on the surface of somatosensory cortex. <i>PLoS ONE</i> , 2017, 12, e0176020.	2.5	101
25	Microstimulation of the lumbar DRG recruits primary afferent neurons in localized regions of lower limb. <i>Journal of Neurophysiology</i> , 2016, 116, 51-60.	1.8	25
26	MEG-based neurofeedback for hand rehabilitation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 85.	4.6	38
27	Motor-related brain activity during action observation: a neural substrate for electrocorticographic brain-computer interfaces after spinal cord injury. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 17.	2.1	23
28	Microelectrode Array Recordings from the Ventral Roots in Chronically Implanted Cats. <i>Frontiers in Neurology</i> , 2014, 5, 104.	2.4	20
29	Chronic recruitment of primary afferent neurons by microstimulation in the feline dorsal root ganglia. <i>Journal of Neural Engineering</i> , 2014, 11, 036007.	3.5	23
30	Chronic tissue response to carboxymethyl cellulose based dissolvable insertion needle for ultra-small neural probes. <i>Biomaterials</i> , 2014, 35, 9255-9268.	11.4	170
31	High-performance neuroprosthetic control by an individual with tetraplegia. <i>Lancet, The</i> , 2013, 381, 557-564.	13.7	1,550
32	Real-time control of hind limb functional electrical stimulation using feedback from dorsal root ganglia recordings. <i>Journal of Neural Engineering</i> , 2013, 10, 026020.	3.5	54
33	Functional priorities, assistive technology, and brain-computer interfaces after spinal cord injury. <i>Journal of Rehabilitation Research and Development</i> , 2013, 50, 145.	1.6	197
34	An Electrocorticographic Brain Interface in an Individual with Tetraplegia. <i>PLoS ONE</i> , 2013, 8, e55344.	2.5	319
35	Characterization of the tissue response to functional multielectrode arrays in the feline spinal nerve. <i>FASEB Journal</i> , 2013, 27, 650.8.	0.5	0
36	Response of dorsal root ganglion tissue to chronically stimulated electrodes. <i>FASEB Journal</i> , 2012, 26, 656.10.	0.5	0

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37	Sustained Growth Factor Delivery Promotes Axonal Regeneration in Long Gap Peripheral Nerve Repair. Tissue Engineering - Part A, 2011, 17, 1263-1275.	3.1	59
38	Multielectrode array recordings of bladder and perineal primary afferent activity from the sacral dorsal root ganglia. Journal of Neural Engineering, 2011, 8, 056010.	3.5	39
39	Limb-State Information Encoded by Peripheral and Central Somatosensory Neurons: Implications for an Afferent Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 501-513.	4.9	88
40	Single- and multi-unit activity recorded from the surface of the dorsal root ganglia with non-penetrating electrode arrays. , 2011, 2011, 6713-6.		12
41	Cyclic Functional Electrical Stimulation Does Not Enhance Gains in Hand Grasp Function When Used as an Adjunct to OnabotulinumtoxinA and Task Practice Therapy: A Single-Blind, Randomized Controlled Pilot Study. Archives of Physical Medicine and Rehabilitation, 2010, 91, 679-686.	0.9	28
42	Neural Interface Technology for Rehabilitation: Exploiting and Promoting Neuroplasticity. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 157-178.	1.3	175