

Jennifer L Collinger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4558385/publications.pdf>

Version: 2024-02-01

66
papers

5,083
citations

172457

29
h-index

118850

62
g-index

83
all docs

83
docs citations

83
times ranked

4113
citing authors

#	ARTICLE	IF	CITATIONS
1	Amputee, clinician, and regulator perspectives on current and prospective upper extremity prosthetic technologies. <i>Assistive Technology</i> , 2023, 35, 258-270.	2.0	6
2	The impact of distractions on intracortical brain-computer interface control of a robotic arm. <i>Brain-Computer Interfaces</i> , 2022, 9, 23-35.	1.8	2
3	Ethical commitments, principles, and practices guiding intracranial neuroscientific research in humans. <i>Neuron</i> , 2022, 110, 188-194.	8.1	29
4	The 8 th international brain-computer interface meeting, BCIs: the next frontier. <i>Brain-Computer Interfaces</i> , 2022, 9, 67-68.	1.8	1
5	Meeting Proceedings for SCI 2020: Launching a Decade of Disruption in Spinal Cord Injury Research. <i>Journal of Neurotrauma</i> , 2021, 38, 1251-1266.	3.4	14
6	A brain-computer interface that evokes tactile sensations improves robotic arm control. <i>Science</i> , 2021, 372, 831-836.	12.6	245
7	Corticospinal recruitment of spinal motor neurons in human stroke survivors. <i>Journal of Physiology</i> , 2021, 599, 4357-4373.	2.9	7
8	Perception of microstimulation frequency in human somatosensory cortex. <i>ELife</i> , 2021, 10, .	6.0	44
9	Generalizable cursor click decoding using grasp-related neural transients. <i>Journal of Neural Engineering</i> , 2021, 18, 0460e9.	3.5	8
10	Neural stimulation and recording performance in human sensorimotor cortex over 1500 days. <i>Journal of Neural Engineering</i> , 2021, 18, 045012.	3.5	50
11	Historical perspectives, challenges, and future directions of implantable brain-computer interfaces for sensorimotor applications. <i>Bioelectronic Medicine</i> , 2021, 7, 14.	2.3	11
12	Longevity and reliability of chronic unit recordings using the Utah, intracortical multi-electrode arrays. <i>Journal of Neural Engineering</i> , 2021, 18, 066044.	3.5	14
13	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
14	Explant Analysis of Utah Electrode Arrays Implanted in Human Cortex for Brain-Computer-Interfaces. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 759711.	4.1	26
15	The effect of wrist posture on extrinsic finger muscle activity during single joint movements. <i>Scientific Reports</i> , 2020, 10, 8377.	3.3	9
16	Intracortical Microstimulation Feedback Improves Grasp Force Accuracy in a Human Using a Brain-Computer Interface. , 2020, 2020, 3355-3358.		7
17	The Motor Cortex Has Independent Representations for Ipsilateral and Contralateral Arm Movements But Correlated Representations for Grasping. <i>Cerebral Cortex</i> , 2020, 30, 5400-5409.	2.9	19
18	Classification of Individual Finger Movements Using Intracortical Recordings in Human Motor Cortex. <i>Neurosurgery</i> , 2020, 87, 630-638.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Bidirectional brain-computer interfaces. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 168, 163-181.	1.8	31
20	Effects of MEG-based neurofeedback for hand rehabilitation after tetraplegia: preliminary findings in cortical modulations and grip strength. Journal of Neural Engineering, 2020, 17, 026019.	3.5	5
21	Sensory restoration by epidural stimulation of the lateral spinal cord in upper-limb amputees. ELife, 2020, 9, .	6.0	70
22	Demonstration of a portable intracortical brain-computer interface. Brain-Computer Interfaces, 2019, 6, 106-117.	1.8	14
23	Workshops of the seventh international brain-computer interface meeting: not getting lost in translation. Brain-Computer Interfaces, 2019, 6, 71-101.	1.8	8
24	What is the functional relevance of reorganization in primary motor cortex after spinal cord injury?. Neurobiology of Disease, 2019, 121, 286-295.	4.4	16
25	Artifact-free recordings in human bidirectional brain-computer interfaces. Journal of Neural Engineering, 2019, 16, 016002.	3.5	37
26	Intracortical recording stability in human brain-computer interface users. Journal of Neural Engineering, 2018, 15, 046016.	3.5	100
27	Remapping cortical modulation for electrocorticographic brain-computer interfaces: a somatotopy-based approach in individuals with upper-limb paralysis. Journal of Neural Engineering, 2018, 15, 026021.	3.5	38
28	Progress towards restoring upper limb movement and sensation through intracortical brain-computer interfaces. Current Opinion in Biomedical Engineering, 2018, 8, 84-92.	3.4	35
29	Implicit Grasp Force Representation in Human Motor Cortical Recordings. Frontiers in Neuroscience, 2018, 12, 801.	2.8	20
30	Workshops of the Sixth International Brain-Computer Interface Meeting: brain-computer interfaces past, present, and future. Brain-Computer Interfaces, 2017, 4, 3-36.	1.8	24
31	Autonomy infused teleoperation with application to brain computer interface controlled manipulation. Autonomous Robots, 2017, 41, 1401-1422.	4.8	64
32	Sensorimotor experience and verb-category mapping in human sensory, motor and parietal neurons. Cortex, 2017, 92, 304-319.	2.4	14
33	Altered modulation of sensorimotor rhythms with chronic paralysis. Journal of Neurophysiology, 2017, 118, 2412-2420.	1.8	15
34	Motor cortical activity changes during neuroprosthetic-controlled object interaction. Scientific Reports, 2017, 7, 16947.	3.3	52
35	Human perception of electrical stimulation on the surface of somatosensory cortex. PLoS ONE, 2017, 12, e0176020.	2.5	101
36	Intracortical microstimulation of human somatosensory cortex. Science Translational Medicine, 2016, 8, 361ra141.	12.4	547

#	ARTICLE	IF	CITATIONS
37	Blending of brain-machine interface and vision-guided autonomous robotics improves neuroprosthetic arm performance during grasping. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 28.	4.6	78
38	Decoding Brain States Based on Magnetoencephalography From Prespecified Cortical Regions. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 30-42.	4.2	5
39	MEG-based neurofeedback for hand rehabilitation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 85.	4.6	38
40	Brain computer interface learning for systems based on electrocorticography and intracortical microelectrode arrays. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 40.	2.1	38
41	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
42	Collaborative Approach in the Development of High-Performance Brain-Computer Interfaces for a Neuroprosthetic Arm: Translation from Animal Models to Human Control. <i>Clinical and Translational Science</i> , 2014, 7, 52-59.	3.1	55
43	High-performance neuroprosthetic control by an individual with tetraplegia. <i>Lancet, The</i> , 2013, 381, 557-564.	13.7	1,550
44	Neuroprosthetic technology for individuals with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 258-272.	1.4	64
45	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
46	An Electrocorticographic Brain Interface in an Individual with Tetraplegia. <i>PLoS ONE</i> , 2013, 8, e55344.	2.5	319
47	Comparison Between Overground and Dynamometer Manual Wheelchair Propulsion. <i>Journal of Applied Biomechanics</i> , 2012, 28, 412-419.	0.8	16
48	Fully Automated Reduction of Ocular Artifacts in High-Dimensional Neural Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 598-606.	4.2	40
49	Craniux: A LabVIEW-Based Modular Software Framework for Brain-Machine Interface Research. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-13.	1.7	18
50	Integrating Rehabilitation Engineering Technology With Biologics. <i>PM and R</i> , 2011, 3, S148-57.	1.6	4
51	The Effect of Symptoms of Carpal Tunnel Syndrome on Ultrasonographic Median Nerve Measures Before and After Wheelchair Propulsion. <i>PM and R</i> , 2011, 3, 803-810.	1.6	15
52	Toward Synergy-Based Brain-Machine Interfaces. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 726-736.	3.2	33
53	Classification of hand posture from electrocorticographic signals recorded during varying force conditions. , 2011, 2011, 5782-5.		6
54	Frequency tracking and variable bandwidth for line noise filtering without a reference. , 2011, 2011, 7908-11.		5

#	ARTICLE	IF	CITATIONS
55	The impact of electrode characteristics on electrocorticography (ECoG)., 2011, 2011, 3083-6.		16
56	Validation of Grayscale-Based Quantitative Ultrasound in Manual Wheelchair Users. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 390-400.	1.4	48
57	Repeatability of ultrasonographic median nerve measures. Muscle and Nerve, 2010, 41, 767-773.	2.2	53
58	Effect of an Intense Wheelchair Propulsion Task on Quantitative Ultrasound of Shoulder Tendons. PM and R, 2010, 2, 920-925.	1.6	26
59	Decoding and Cortical Source Localization for Intended Movement Direction With MEG. Journal of Neurophysiology, 2010, 104, 2451-2461.	1.8	59
60	Neural Interface Technology for Rehabilitation: Exploiting and Promoting Neuroplasticity. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 157-178.	1.3	175
61	Impact of Surface Type, Wheelchair Weight, and Axle Position on Wheelchair Propulsion by Novice Older Adults. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1076-1083.	0.9	78
62	Ultrasonographic Median Nerve Changes After a Wheelchair Sporting Event. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1489-1494.	0.9	26
63	Manual Wheelchair Propulsion Patterns on Natural Surfaces During Start-Up Propulsion. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1916-1923.	0.9	46
64	Reliability of Quantitative Ultrasound Measures of the Biceps and Supraspinatus Tendons. Academic Radiology, 2009, 16, 1424-1432.	2.5	55
65	Shoulder Biomechanics During the Push Phase of Wheelchair Propulsion: A Multisite Study of Persons With Paraplegia. Archives of Physical Medicine and Rehabilitation, 2008, 89, 667-676.	0.9	102
66	Shoulder Ultrasound Abnormalities, Physical Examination Findings, and Pain in Manual Wheelchair Users With Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2008, 89, 2086-2093.	0.9	105