

Giuseppe Granata

List of Publications by Year in descending order

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53
papers

2,582
citations

279798

23
h-index

197818

49
g-index

58
all docs

58
docs citations

58
times ranked

2816
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoring Natural Sensory Feedback in Real-Time Bidirectional Hand Prostheses. <i>Science Translational Medicine</i> , 2014, 6, 222ra19.	12.4	805
2	Biomimetic Intraneural Sensory Feedback Enhances Sensation Naturalness, Tactile Sensitivity, and Manual Dexterity in a Bidirectional Prosthesis. <i>Neuron</i> , 2018, 100, 37-45.e7.	8.1	265
3	A closed-loop hand prosthesis with simultaneous intraneural tactile and position feedback. <i>Science Robotics</i> , 2019, 4, .	17.6	198
4	Six-Month Assessment of a Hand Prosthesis with Intraneural Tactile Feedback. <i>Annals of Neurology</i> , 2019, 85, 137-154.	5.3	140
5	Intra- and internerve cross-sectional area variability: New ultrasound measures. <i>Muscle and Nerve</i> , 2012, 45, 730-733.	2.2	104
6	Multisensory bionic limb to achieve prosthesis embodiment and reduce distorted phantom limb perceptions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 833-836.	1.9	101
7	Shared human-robot proportional control of a dexterous myoelectric prosthesis. <i>Nature Machine Intelligence</i> , 2019, 1, 400-411.	16.0	91
8	Small World architecture in brain connectivity and hippocampal volume in Alzheimer's disease: a study via graph theory from EEG data. <i>Brain Imaging and Behavior</i> , 2017, 11, 473-485.	2.1	85
9	Intraneural sensory feedback restores grip force control and motor coordination while using a prosthetic hand. <i>Journal of Neural Engineering</i> , 2019, 16, 026034.	3.5	66
10	Prognostic Value of EEG Microstates in Acute Stroke. <i>Brain Topography</i> , 2017, 30, 698-710.	1.8	65
11	Ultrasound and neurophysiological correlation in common fibular nerve conduction block at fibular head. <i>Clinical Neurophysiology</i> , 2014, 125, 1491-1495.	1.5	41
12	Small World Index in Default Mode Network Predicts Progression from Mild Cognitive Impairment to Dementia. <i>International Journal of Neural Systems</i> , 2020, 30, 2050004.	5.2	40
13	Decoding of grasping tasks from intraneural recordings in trans-radial amputee. <i>Journal of Neural Engineering</i> , 2020, 17, 026034.	3.5	39
14	Stability of flexible thin-film metallization stimulation electrodes: analysis of explants after first-in-human study and improvement of in vivo performance. <i>Journal of Neural Engineering</i> , 2020, 17, 046006.	3.5	38
15	6MWT can identify type 3 SMA patients with neuromuscular junction dysfunction. <i>Neuromuscular Disorders</i> , 2017, 27, 879-882.	0.6	36
16	Phantom somatosensory evoked potentials following selective intraneural electrical stimulation in two amputees. <i>Clinical Neurophysiology</i> , 2018, 129, 1117-1120.	1.5	35
17	Ultrasound evaluation in transthyretin-related amyloid neuropathy. <i>Muscle and Nerve</i> , 2014, 50, 372-376.	2.2	32
18	Hand Control With Invasive Feedback Is Not Impaired by Increased Cognitive Load. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 287.	4.1	31

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19	Primary multifocal lymphoma of peripheral nervous system: Case report and review of the literature. <i>Muscle and Nerve</i> , 2014, 50, 1016-1022.	2.2	30
20	Morphological Neural Computation Restores Discrimination of Naturalistic Textures in Trans-radial Amputees. <i>Scientific Reports</i> , 2020, 10, 527.	3.3	30
21	Non-invasive electric current stimulation for restoration of vision after unilateral occipital stroke. <i>Contemporary Clinical Trials</i> , 2015, 43, 231-236.	1.8	28
22	Different nerve ultrasound patterns in charcotâ€œmarieâ€œtooth types and hereditary neuropathy with liability to pressure palsies. <i>Muscle and Nerve</i> , 2018, 57, E18-E23.	2.2	28
23	Transcranial direct current stimulation generates a transient increase of small-world in brain connectivity: an EEG graph theoretical analysis. <i>Experimental Brain Research</i> , 2018, 236, 1117-1127.	1.5	27
24	Fibular nerve damage in knee dislocation: Spectrum of ultrasound patterns. <i>Muscle and Nerve</i> , 2015, 51, 859-863.	2.2	25
25	Electroencephalography-Derived Prognosis of Functional Recovery in Acute Stroke Through Machine Learning Approaches. <i>International Journal of Neural Systems</i> , 2020, 30, 2050067.	5.2	22
26	From Mild Cognitive Impairment to Alzheimerâ€™s Disease: A New Perspective in the â€œLandâ€œ of Human Brain Reactivity and Connectivity. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1389-1393.	2.6	17
27	Secondary posterior interosseous nerve lesions associated with humeral fractures. <i>Muscle and Nerve</i> , 2016, 53, 375-378.	2.2	17
28	Sensitivity to temporal parameters of intraneural tactile sensory feedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 110.	4.6	15
29	Atypical double nerve lesion after humeral fracture: Diagnosis by ultrasound. <i>Muscle and Nerve</i> , 2010, 41, 287-288.	2.2	14
30	A Psychometric Platform to Collect Somatosensory Sensations for Neuroprosthetic Use. <i>Frontiers in Medical Technology</i> , 2021, 3, 619280.	2.5	13
31	Computational approaches to decode grasping force and velocity level in upper-limb amputee from intraneural peripheral signals. <i>Journal of Neural Engineering</i> , 2021, 18, 055001.	3.5	12
32	Does albuterol have an effect on neuromuscular junction dysfunction in spinal muscular atrophy?. <i>Neuromuscular Disorders</i> , 2018, 28, 863-864.	0.6	10
33	Microneurography as a tool to develop decoding algorithms for peripheral neuro-controlled hand prostheses. <i>BioMedical Engineering OnLine</i> , 2019, 18, 44.	2.7	10
34	Non-invasive electrical brain stimulation for vision restoration after stroke: An exploratory randomized trial (REVIS). <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 221-235.	0.7	10
35	Letter to the Editor Referring to "Peripheral Nerve Hypertrophy in Chronic Inflammatory Demyelinating Polyradiculoneuropathy Detected by Ultrasonography". <i>Internal Medicine</i> , 2009, 48, 2049-2049.	0.7	9
36	Prolonged phone-call posture causes changes of ulnar motor nerve conduction across elbow. <i>Clinical Neurophysiology</i> , 2016, 127, 2728-2732.	1.5	9

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37	Nerve ultrasound in patients with CMT1C: Description of 3 cases. <i>Muscle and Nerve</i> , 2015, 51, 781-782.	2.2	7
38	Brain reactions to the use of sensorized hand prosthesis in amputees. <i>Brain and Behavior</i> , 2020, 10, e01734.	2.2	6
39	Double site nerve lesion: Ultrasound diagnosed musculocutaneous involvement in traumatic brachial plexus injury. <i>Clinical Neurophysiology</i> , 2013, 124, 629-630.	1.5	5
40	High-frequency ultrasound in guiding needle insertion for microneurography. <i>Clinical Neurophysiology</i> , 2016, 127, 970-971.	1.5	5
41	Neurophysiological effect of transorbital electrical stimulation: Early results in advanced optic atrophy. <i>Brain Stimulation</i> , 2019, 12, 800-802.	1.6	4
42	Multiple bilateral sciatic compressions due to cast in a patient with leg lengthening diagnosed through ultrasound. <i>Clinical Neurophysiology</i> , 2011, 122, 2539-2540.	1.5	2
43	Reply. <i>Muscle and Nerve</i> , 2013, 47, 148-148.	2.2	1
44	Posterior interosseous nerve syndrome due to radioulnar joint cyst. <i>Muscle and Nerve</i> , 2013, 48, 842-843.	2.2	1
45	US diagnosis of sciatic nerve tumor proximal to gluteal fold. <i>Neurological Sciences</i> , 2014, 35, 1627-1628.	1.9	1
46	Bilateral tarsal tunnel syndrome related to intense cycling activity: proposal of a multimodal diagnostic approach. <i>Neurological Sciences</i> , 2015, 36, 1921-1923.	1.9	1
47	Posterior interosseous nerve anatomical variation: A possible protective factor for injuries. <i>Muscle and Nerve</i> , 2016, 53, 154-155.	2.2	1
48	Carpal tunnel syndrome treatment with palmitoylethanolamide: neurophysiology and ultrasound show small changes in the median nerve. <i>Rheumatology International</i> , 2018, 38, 1307-1309.	3.0	1
49	The role of primary visual cortex after transorbital alternating current stimulation in low vision patients. <i>Clinical Neurophysiology</i> , 2020, 131, 2327-2328.	1.5	1
50	Toward the Development of a Neuro-Controlled Bidirectional Hand Prosthesis. <i>Lecture Notes in Computer Science</i> , 2015, , 105-110.	1.3	0
51	Reply to Penelope A. McNulty and Emma F. Hodson-Tole. <i>Clinical Neurophysiology</i> , 2016, 127, 1738-1739.	1.5	0
52	On the Use of Intraneural Transversal Electrodes to Develop Bidirectional Bionic Limbs. <i>Biosystems and Biorobotics</i> , 2017, , 737-741.	0.3	0
53	A case of ultrasound diagnosis of supraorbital neuralgia. <i>Muscle and Nerve</i> , 2019, 59, E32-E33.	2.2	0