

Gerard E Francisco

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,016
citations

186209

28
h-index

175177

52
g-index

84
all docs

84
docs citations

84
times ranked

3186
citing authors

#	ARTICLE	IF	CITATIONS
1	The H2 robotic exoskeleton for gait rehabilitation after stroke: early findings from a clinical study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 54.	2.4	271
2	Abrupt withdrawal from intrathecal baclofen: Recognition and management of a potentially life-threatening syndrome. <i>Archives of Physical Medicine and Rehabilitation</i> , 2002, 83, 735-741.	0.5	256
3	New insights into the pathophysiology of post-stroke spasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 192.	1.0	149
4	Post-stroke Hemiplegic Gait: New Perspective and Insights. <i>Frontiers in Physiology</i> , 2018, 9, 1021.	1.3	141
5	Design and Optimization of an EEG-Based Brain Machine Interface (BMI) to an Upper-Limb Exoskeleton for Stroke Survivors. <i>Frontiers in Neuroscience</i> , 2016, 10, 122.	1.4	130
6	Poststroke Spasticity Management. <i>Stroke</i> , 2012, 43, 3132-3136.	1.0	117
7	Randomized Sham-Controlled Trial of Navigated Repetitive Transcranial Magnetic Stimulation for Motor Recovery in Stroke. <i>Stroke</i> , 2018, 49, 2138-2146.	1.0	113
8	The role of physical and rehabilitation medicine in the COVID-19 pandemic: The clinician's view. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 554-556.	1.1	112
9	COVID-19 pandemic. What should Physical and Rehabilitation Medicine specialists do? A clinician's perspective. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2020, 56, 515-524.	1.1	87
10	Improvement in walking speed in poststroke spastic hemiplegia after intrathecal baclofen therapy: a preliminary study ¹¹ A commercial party with a direct financial interest in the results of the research supporting this article has conferred or will confer a financial benefit on the author or 1 or more of the authors... <i>Archives of Physical Medicine and Rehabilitation</i> , 2003, 84, 1194-1199.	0.5	80
11	A Unifying Pathophysiological Account for Post-stroke Spasticity and Disordered Motor Control. <i>Frontiers in Neurology</i> , 2019, 10, 468.	1.1	80
12	Assessing and treating functional impairment in poststroke spasticity. <i>Neurology</i> , 2013, 80, S35-44.	1.5	77
13	Botulinum Toxin in Upper Limb Spasticity After Acquired Brain Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2002, 81, 355-363.	0.7	73
14	The ReWalk ReStore [®] , a soft robotic exosuit: a multi-site clinical trial of the safety, reliability, and feasibility of exosuit-augmented post-stroke gait rehabilitation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 80.	2.4	72
15	Applications of Brain-Computer Interface Systems in Stroke Recovery and Rehabilitation. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2014, 2, 93-105.	0.3	67
16	Diffusion tensor imaging of the human cerebellar pathways and their interplay with cerebral macrostructure. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 41.	0.9	63
17	Intrathecal Baclofen Management of Poststroke Spastic Hypertonia: Implications for Function and Quality of Life. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006, 87, 1509-1515.	0.5	58
18	Dynamic splinting after treatment with botulinum toxin type-A: A randomized controlled pilot study. <i>Advances in Therapy</i> , 2009, 26, 241-248.	1.3	53

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19	Pharmacological management of neurobehavioural sequelae of traumatic brain injury: A survey of current physiatric practice. <i>Brain Injury</i> , 2007, 21, 1007-1014.	0.6	48
20	Transcranial direct current stimulation (tDCS) of the primary motor cortex and robot-assisted arm training in chronic incomplete cervical spinal cord injury: A proof of concept sham-randomized clinical study. <i>NeuroRehabilitation</i> , 2016, 39, 401-411.	0.5	45
21	Intrathecal Baclofen Therapy: An Update. <i>PM and R</i> , 2009, 1, 852-858.	0.9	44
22	A comprehensive person-centered approach to adult spastic paresis: a consensus-based framework. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2018, 54, 605-617.	1.1	38
23	Patient Registry of Outcomes in Spasticity Care. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012, 91, 729-746.	0.7	35
24	Practice patterns for spasticity management with phenol neurolysis. <i>Journal of Rehabilitation Medicine</i> , 2017, 49, 482-488.	0.8	35
25	Neural Decoding of Robot-Assisted Gait During Rehabilitation After Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 541-550.	0.7	35
26	Exoskeleton-assisted gait training to improve gait in individuals with spinal cord injury: a pilot randomized study. <i>Pilot and Feasibility Studies</i> , 2018, 4, 62.	0.5	32
27	Consensus Panel Guidelines for the Use of Intrathecal Baclofen Therapy in Poststroke Spastic Hypertonia. <i>Topics in Stroke Rehabilitation</i> , 2006, 13, 74-85.	1.0	31
28	An integrated neuro-robotic interface for stroke rehabilitation using the NASA X1 powered lower limb exoskeleton. , 2014, 2014, 3985-8.		30
29	Intrathecal baclofen therapy versus conventional medical management for severe poststroke spasticity: results from a multicentre, randomised, controlled, open-label trial (SISTERS). <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 642-650.	0.9	30
30	Correlation of Resting Elbow Angle with Spasticity in Chronic Stroke Survivors. <i>Frontiers in Neurology</i> , 2015, 6, 183.	1.1	29
31	Digitally Assisted Versus Conventional Home-Based Rehabilitation After Arthroscopic Rotator Cuff Repair. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2022, 101, 237-249.	0.7	29
32	Do Botulinum Toxins Have a Role in the Management of Neuropathic Pain?. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012, 91, 899-909.	0.7	28
33	Robot-assisted Therapy for the Upper Limb after Cervical Spinal Cord Injury. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2019, 30, 367-384.	0.7	28
34	Intrathecal baclofen therapy for spastic hypertonia in chronic traumatic brain injury. <i>Brain Injury</i> , 2007, 21, 335-338.	0.6	26
35	Effect of Intrathecal Baclofen on Pain and Quality of Life in Poststroke Spasticity. <i>Stroke</i> , 2018, 49, 2129-2137.	1.0	26
36	A practical guide to optimizing the benefits of post-stroke spasticity interventions with botulinum toxin A: An international group consensus. <i>Journal of Rehabilitation Medicine</i> , 2021, 53, jrm00134.	0.8	26

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37	Acoustic Startle Reflex in Patients With Chronic Stroke at Different Stages of Motor Recovery: A Pilot Study. <i>Topics in Stroke Rehabilitation</i> , 2014, 21, 358-370.	1.0	25
38	Combined Dextroamphetamine and Transcranial Direct Current Stimulation in Poststroke Aphasia. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, S141-S145.	0.7	25
39	Neural activity modulations and motor recovery following brain-exoskeleton interface mediated stroke rehabilitation. <i>NeuroImage: Clinical</i> , 2020, 28, 102502.	1.4	24
40	Exoskeleton-assisted Gait Training in Persons With Multiple Sclerosis: A Single-Group Pilot Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 599-606.	0.5	23
41	Asynchronous and Tailored Digital Rehabilitation of Chronic Shoulder Pain: A Prospective Longitudinal Cohort Study. <i>Journal of Pain Research</i> , 2022, Volume 15, 53-66.	0.8	21
42	Telemedicine-guided education on secondary stroke and fall prevention following inpatient rehabilitation for Texas patients with stroke and their caregivers: a feasibility pilot study. <i>BMJ Open</i> , 2017, 7, e017340.	0.8	19
43	The Effects of Botulinum Toxin Injections on Spasticity and Motor Performance in Chronic Stroke with Spastic Hemiplegia. <i>Toxins</i> , 2020, 12, 492.	1.5	19
44	Effects of an exoskeleton-assisted gait training on post-stroke lower-limb muscle coordination. <i>Journal of Neural Engineering</i> , 2021, 18, 046039.	1.8	19
45	Effect on Passive Range of Motion and Functional Correlates After a Long-Term Lower Limb Self-Stretch Program in Patients With Chronic Spastic Paresis. <i>PM and R</i> , 2018, 10, 1020-1031.	0.9	18
46	Intrathecal Baclofen Therapy for Stroke-Related Spasticity. <i>Topics in Stroke Rehabilitation</i> , 2001, 8, 36-46.	1.0	17
47	Detecting movement intent from scalp EEG in a novel upper limb robotic rehabilitation system for stroke. , 2014, 2014, 4127-4130.		17
48	Improving robotic stroke rehabilitation by incorporating neural intent detection: Preliminary results from a clinical trial. , 2017, 2017, 122-127.		17
49	The Use of Botulinum Toxin for Treatment of Spasticity. <i>Handbook of Experimental Pharmacology</i> , 2019, 263, 127-146.	0.9	16
50	User satisfaction with lower limb wearable robotic exoskeletons. <i>Disability and Rehabilitation: Assistive Technology</i> , 2020, 15, 322-327.	1.3	13
51	Individualized OnabotulinumtoxinA Treatment for Upper Limb Spasticity Resulted in High Clinician and Patient-Reported Satisfaction: Long-Term Observational Results from the ASPIRE Study. <i>PM and R</i> , 2020, 12, 1120-1133.	0.9	13
52	Digital Rehabilitation for Acute Ankle Sprains: Prospective Longitudinal Cohort Study. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2021, 8, e31247.	1.1	11
53	Improving Botulinum Toxin Efficiency in Treating Post-Stroke Spasticity Using 3D Innervation Zone Imaging. <i>International Journal of Neural Systems</i> , 2021, 31, 2150007.	3.2	11
54	Botulinum Toxin (BT) injection improves voluntary motor control in selected patients with post-stroke spasticity. <i>Neural Regeneration Research</i> , 2012, 7, 1436-1439.	1.6	11

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55	Neuropharmacology of Poststroke Motor and Speech Recovery. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2015, 26, 671-689.	0.7	10
56	A pre-clinical framework for neural control of a therapeutic upper-limb exoskeleton. , 2013, , 1159-1162.		8
57	White matter changes in corticospinal tract associated with improvement in arm and hand functions in incomplete cervical spinal cord injury: pilot case series. <i>Spinal Cord Series and Cases</i> , 2017, 3, 17028.	0.3	8
58	Patient Registry of Spasticity Care World. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 881-888.	0.7	8
59	Adult Spasticity International Registry Study: methodology and baseline patient, healthcare provider, and caregiver characteristics. <i>Journal of Rehabilitation Medicine</i> , 2017, 49, 659-666.	0.8	8
60	Interpretable Deep Learning Models for Single Trial Prediction of Balance Loss. , 2020, , .		8
61	Combining robotic exoskeleton and body weight unweighing technology to promote walking activity in tetraplegia following SCI: A case study. <i>Journal of Spinal Cord Medicine</i> , 2020, 43, 126-129.	0.7	6
62	Post-Stroke Spasticity. , 2021, , 149-173.		5
63	Real-world analysis of botulinum toxin (BoNT) injections in post-stroke spasticity: Higher doses of BoNT and longer intervals in the early-start group. <i>Journal of the Neurological Sciences</i> , 2021, 425, 117449.	0.3	5
64	Botulinum toxin for post-stroke spastic hypertonia: a review of its efficacy and application in clinical practice. <i>Annals of the Academy of Medicine, Singapore</i> , 2007, 36, 22-30.	0.2	5
65	Decoding neural activity preceding balance loss during standing with a lower-limb exoskeleton using an interpretable deep learning model. <i>Journal of Neural Engineering</i> , 2022, 19, 036015.	1.8	5
66	High clinician- and patient-reported satisfaction with individualized onabotulinumtoxinA treatment for spasticity across several etiologies from the ASPIRE study. <i>Toxicon: X</i> , 2020, 7, 100040.	1.2	4
67	Current status and trends in subspecialty certification in physical medicine and rehabilitation. <i>PM and R</i> , 2023, 15, 212-221.	0.9	4
68	Intrathecal baclofen in the management of post-stroke hypertonia: current applications and future directions. , 2007, 97, 219-226.		3
69	Evidence of treating spasticity before it develops: a systematic review of spasticity outcomes in acute spinal cord injury interventional trials. <i>Therapeutic Advances in Neurological Disorders</i> , 2022, 15, 175628642110706.	1.5	3
70	Design of a parallel-group balanced controlled trial to test the effects of assist-as-needed robotic therapy. , 2015, , .		2
71	Neuromodulation for Post-Stroke Aphasia. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2016, 4, 171-181.	0.3	2
72	Wearable Robotic Approaches to Lower Extremity Gait Systems. , 2017, , 75-97.		2

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73	Long-Term Observational Results from the ASPIRE Study: OnabotulinumtoxinA Treatment for Adult Lower Limb Spasticity. <i>PM and R</i> , 2021, 13, 1079-1093.	0.9	2
74	Distinct Kinematic and Neuromuscular Activation Strategies During Quiet Stance and in Response to Postural Perturbations in Healthy Individuals Fitted With and Without a Lower-Limb Exoskeleton. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	2
75	Real-World Adherence to OnabotulinumtoxinA Treatment for Spasticity: Insights From the ASPIRE Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 2172-2184.e6.	0.5	1
76	43rd Walter J. Zeiter Lecture, 2011 The Pursuit of Excellence in Physiatric Education and Practice. <i>PM and R</i> , 2012, 4, 711-718.	0.9	0
77	The COVID-19 Pandemic Is an Accelerator of the Evolution of Physiatry. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, S1-S2.	0.7	0