

# Glen M Davis

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,074  
citations

394286

19  
h-index

454834

30  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiorespiratory, Metabolic, and Biomechanical Responses During Functional Electrical Stimulation Leg Exercise: Health and Fitness Benefits. <i>Artificial Organs</i> , 2008, 32, 625-629.	1.0	96
2	Effects of electrical stimulation leg training during the acute phase of spinal cord injury: a pilot study. <i>European Journal of Applied Physiology</i> , 2000, 83, 409-415.	1.2	64
3	Strategies for Rapid Muscle Fatigue Reduction during FES Exercise in Individuals with Spinal Cord Injury: A Systematic Review. <i>PLoS ONE</i> , 2016, 11, e0149024.	1.1	62
4	Comparison of methods to assess energy expenditure and physical activity in people with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2012, 35, 35-45.	0.7	60
5	Functional Electrical Stimulation Control of Standing and Stepping After Spinal Cord Injury: A Review of Technical Characteristics. <i>Neuromodulation</i> , 2009, 12, 180-190.	0.4	55
6	Submaximal exercise intensity modulates acute post-exercise heart rate variability. <i>European Journal of Applied Physiology</i> , 2016, 116, 697-706.	1.2	55
7	Recommendations for exercise in adolescents and adults with congenital heart disease. <i>Progress in Cardiovascular Diseases</i> , 2020, 63, 350-366.	1.6	50
8	Effects of Activity-Based Therapy Interventions on Mobility, Independence, and Quality of Life for People with Spinal Cord Injuries: A Systematic Review and Meta-Analysis. <i>Journal of Neurotrauma</i> , 2017, 34, 1726-1743.	1.7	37
9	Functional electrical stimulation cycling exercise after spinal cord injury: a systematic review of health and fitness-related outcomes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 99.	2.4	36
10	Physical Activity for Symptom Management in Women With Metastatic Breast Cancer: A Randomized Feasibility Trial on Physical Activity and Breast Metastases. <i>Journal of Pain and Symptom Management</i> , 2019, 58, 929-939.	0.6	35
11	Pathophysiology of exercise intolerance in pulmonary arterial hypertension. <i>Respirology</i> , 2018, 23, 148-159.	1.3	31
12	Oxygen uptake and heart rate responses during arm vs combined arm/electrically stimulated leg exercise in people with paraplegia. <i>Spinal Cord</i> , 1997, 35, 680-685.	0.9	29
13	Overview of Systematic Reviews of Aerobic Fitness and Muscle Strength Training after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2943-2963.	1.7	28
14	A comparison of the attitude of paraplegic individuals to the Walkabout Orthosis and the Isocentric Reciprocal Gait Orthosis. <i>Spinal Cord</i> , 1997, 35, 580-584.	0.9	27
15	Cardiovascular responses to an orthostatic challenge and electrical-stimulation-induced leg muscle contractions in individuals with paraplegia. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999, 80, 205-212.	1.2	24
16	The Effectiveness of FES-Evoked EMG Potentials to Assess Muscle Force and Fatigue in Individuals with Spinal Cord Injury. <i>Sensors</i> , 2014, 14, 12598-12622.	2.1	24
17	Leisure time physical activity participation in individuals with spinal cord injury in Malaysia: barriers to exercise. <i>Spinal Cord</i> , 2018, 56, 806-818.	0.9	24
18	Energy Expenditure in Individuals With Spinal Cord Injury Quantified by Doubly Labeled Water and a Multi-Sensor Armband. <i>Journal of Physical Activity and Health</i> , 2015, 12, 163-170.	1.0	22

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19	Estimation of Electrically-Evoked Knee Torque from Mechanomyography Using Support Vector Regression. <i>Sensors</i> , 2016, 16, 1115.	2.1	20
20	Exercise Intolerance, Benefits, and Prescription for People Living With a Fontan Circulation: The Fontan Fitness Intervention Trial (F-FIT)â€™Rationale and Design. <i>Frontiers in Pediatrics</i> , 2021, 9, 799125.	0.9	19
21	Higher exercise intensity delays postexercise recovery of impedance-derived cardiac sympathetic activity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 834-840.	0.9	17
22	Carotid baroreflex control of heart rate and blood pressure during ES leg cycling in paraplegics. <i>Journal of Applied Physiology</i> , 2000, 88, 957-965.	1.2	16
23	Exergaming boxing versus heavy-bag boxing: are these equipotent for individuals with spinal cord injury?. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 527-534.	1.1	16
24	Longer exercise duration delays post-exercise recovery of cardiac parasympathetic but not sympathetic indices. <i>European Journal of Applied Physiology</i> , 2017, 117, 1897-1906.	1.2	15
25	Inspiratory Muscle Training Improves Inspiratory Muscle Strength and Functional Exercise Capacity in Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension: A Pilot Randomised Controlled Study. <i>Heart Lung and Circulation</i> , 2021, 30, 388-395.	0.2	14
26	The â€™Super-Fontanâ€™Phenotype: Characterizing Factors Associated With High Physical Performance. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764273.	1.1	14
27	Mechanomyography and Torque during FES-Evoked Muscle Contractions to Fatigue in Individuals with Spinal Cord Injury. <i>Sensors</i> , 2017, 17, 1627.	2.1	13
28	Cardiovascular responses during arm exercise and orthostatic challenge in individuals with paraplegia. <i>European Journal of Applied Physiology</i> , 2001, 85, 89-95.	1.2	12
29	Exergaming for Individuals with Spinal Cord Injury: A Pilot Study. <i>Games for Health Journal</i> , 2017, 6, 279-289.	1.1	12
30	Physical activity interventions using behaviour change theories for women with breast cancer: a systematic review and meta-analysis. <i>Journal of Cancer Survivorship</i> , 2022, 16, 1127-1148.	1.5	12
31	Torque and mechanomyogram relationships during electrically-evoked isometric quadriceps contractions in persons with spinal cord injury. <i>Medical Engineering and Physics</i> , 2016, 38, 767-775.	0.8	11
32	Influence of exercise modality on cardiac parasympathetic and sympathetic indices during post-exercise recovery. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 1079-1084.	0.6	11
33	Evoked EMG versus Muscle Torque during Fatiguing Functional Electrical Stimulation-Evoked Muscle Contractions and Short-Term Recovery in Individuals with Spinal Cord Injury. <i>Sensors</i> , 2014, 14, 22907-22920.	2.1	10
34	Activity-Based Therapy in a Community Setting for Independence, Mobility, and Sitting Balance for People With Spinal Cord Injuries. <i>Journal of Central Nervous System Disease</i> , 2019, 11, 117957351984162.	0.7	10
35	Development of an isokinetic FES leg stepping trainer (iFES-LST) for individuals with neurological disability. , 2009, , .		9
36	Decline Is Not Inevitable: Exercise Capacity Trajectory in an Australian and New Zealand Fontan Cohort. <i>Heart Lung and Circulation</i> , 2021, 30, 1356-1363.	0.2	9

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37	Neural Network-Based Muscle Torque Estimation Using Mechanomyography During Electrically-Evoked Knee Extension and Standing in Spinal Cord Injury. <i>Frontiers in Neurobotics</i> , 2018, 12, 50.	1.6	8
38	Mechanomyography responses characterize altered muscle function during electrical stimulation-evoked cycling in individuals with spinal cord injury. <i>Clinical Biomechanics</i> , 2018, 58, 21-27.	0.5	8
39	Malaysian adaptation of the physical activity scale for individuals with physical disabilities in individuals with spinal cord injury. <i>Disability and Rehabilitation</i> , 2020, 42, 2067-2075.	0.9	8
40	Cardiorespiratory and Muscle Metabolic Responses During Conventional Versus Motion Sensor-Assisted Strategies for Functional Electrical Stimulation Standing After Spinal Cord Injury. <i>Artificial Organs</i> , 2015, 39, 855-862.	1.0	7
41	Variations of ankle-foot orthosis-constrained movements increase ankle range of movement while maintaining power output of recumbent cycling. <i>Biomedizinische Technik</i> , 2018, 63, 691-697.	0.9	6
42	Muscle oxygenation during hybrid arm and functional electrical stimulation-evoked leg cycling after spinal cord injury. <i>Medicine (United States)</i> , 2018, 97, e12922.	0.4	6
43	SVR modelling of mechanomyographic signals predicts neuromuscular stimulation-evoked knee torque in paralyzed quadriceps muscles undergoing knee extension exercise. <i>Computers in Biology and Medicine</i> , 2020, 117, 103614.	3.9	6
44	A novel motion sensor-driven control system for FES-assisted walking after spinal cord injury: A pilot study. <i>Medical Engineering and Physics</i> , 2016, 38, 1223-1231.	0.8	4
45	Structured home-based exercise program for improving walking ability in ambulant children with cerebral palsy. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2019, 12, 161-169.	0.3	4
46	Electrically evoked wrist extensor muscle fatigue throughout repetitive motion as measured by mechanomyography and near-infrared spectroscopy. <i>Biomedizinische Technik</i> , 2019, 64, 439-448.	0.9	4
47	Assessing physical activity and health-related quality of life in individuals with spinal cord injury: a national survey in Thailand. <i>Disability and Rehabilitation</i> , 2022, 44, 7048-7058.	0.9	3
48	Muscle oxygenation following concentric exercise. <i>Isokinetics and Exercise Science</i> , 2007, 15, 309-319.	0.2	2
49	Physical activity recall assessment for people with spinal cord injury: Thai translation and cross-cultural adaptation. <i>Disability and Rehabilitation</i> , 2022, 44, 4831-4840.	0.9	2
50	A neuro-cardiac self-regulation therapy to improve autonomic and neural function after SCI: a randomized controlled trial protocol. <i>BMC Neurology</i> , 2021, 21, 329.	0.8	2
51	Benefits and interval training in individuals with spinal cord injury: A thematic review. <i>Journal of Spinal Cord Medicine</i> , 2022, 45, 327-338.	0.7	2
52	Assessment of muscle performance using vibromyography (VMG) and electromyography(EMG)., 2014,, .		1
53	Quadriceps mechanomyography reflects muscle fatigue during electrical stimulus-sustained standing in adults with spinal cord injury – a proof of concept. <i>Biomedizinische Technik</i> , 2020, 65, 165-174.	0.9	1
54	Mechanomyography and tissue oxygen saturation during electrically-evoked wrist extensor fatigue in people with tetraplegia. <i>Artificial Organs</i> , 2022, 46, 1998-2008.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Evaluation of isokinetic muscle performance using a novel mechanomyogram sensor. , 2014, , .		0
56	Physical activity and fitness in women with metastatic breast cancer.. Journal of Clinical Oncology, 2013, 31, 136-136.	0.8	0