

# Enrico Rejc

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,889  
citations

567281

15  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of epidural stimulation of the lumbosacral spinal cord on voluntary movement, standing, and assisted stepping after motor complete paraplegia: a case study. <i>Lancet, The</i> , 2011, 377, 1938-1947.	13.7	964
2	Effects of Lumbosacral Spinal Cord Epidural Stimulation for Standing after Chronic Complete Paralysis in Humans. <i>PLoS ONE</i> , 2015, 10, e0133998.	2.5	166
3	Motor recovery after activity-based training with spinal cord epidural stimulation in a chronic motor complete paraplegic. <i>Scientific Reports</i> , 2017, 7, 13476.	3.3	130
4	Effects of Stand and Step Training with Epidural Stimulation on Motor Function for Standing in Chronic Complete Paraplegics. <i>Journal of Neurotrauma</i> , 2017, 34, 1787-1802.	3.4	106
5	Epidural Spinal Cord Stimulation of Lumbosacral Networks Modulates Arterial Blood Pressure in Individuals With Spinal Cord Injury-Induced Cardiovascular Deficits. <i>Frontiers in Physiology</i> , 2018, 9, 565.	2.8	79
6	Bilateral deficit and EMG activity during explosive lower limb contractions against different overloads. <i>European Journal of Applied Physiology</i> , 2010, 108, 157-165.	2.5	51
7	Tensiomyography detects early hallmarks of bed-rest-induced atrophy before changes in muscle architecture. <i>Journal of Applied Physiology</i> , 2019, 126, 815-822.	2.5	48
8	Effects of a Short-Term High-Nitrate Diet on Exercise Performance. <i>Nutrients</i> , 2016, 8, 534.	4.1	46
9	Loss of maximal explosive power of lower limbs after 2 weeks of disuse and incomplete recovery after retraining in older adults. <i>Journal of Physiology</i> , 2018, 596, 647-665.	2.9	43
10	Effects of strength, explosive and plyometric training on energy cost of running in ultra-endurance athletes. <i>European Journal of Sport Science</i> , 2017, 17, 805-813.	2.7	37
11	Spinal Cord Epidural Stimulation for Lower Limb Motor Function Recovery in Individuals with Motor Complete Spinal Cord Injury. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2019, 30, 337-354.	1.3	36
12	Predictors of volitional motor recovery with epidural stimulation in individuals with chronic spinal cord injury. <i>Brain</i> , 2021, 144, 420-433.	7.6	28
13	Spinal Cord Imaging Markers and Recovery of Volitional Leg Movement With Spinal Cord Epidural Stimulation in Individuals With Clinically Motor Complete Spinal Cord Injury. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 559313.	2.5	25
14	Neurophysiological markers predicting recovery of standing in humans with chronic motor complete spinal cord injury. <i>Scientific Reports</i> , 2019, 9, 14474.	3.3	23
15	Stand Trainer With Applied Forces at the Pelvis and Trunk: Response to Perturbations and Assist-As-Needed Support. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1855-1864.	4.9	17
16	Optimizing Neuromuscular Electrical Stimulation Pulse Width and Amplitude to Promote Central Activation in Individuals With Severe Spinal Cord Injury. <i>Frontiers in Physiology</i> , 2019, 10, 1310.	2.8	16
17	Maximal explosive power of the lower limbs before and after 35 days of bed rest under different diet energy intake. <i>European Journal of Applied Physiology</i> , 2015, 115, 429-436.	2.5	14
18	Effects of 14 days of bed rest and following physical training on metabolic cost, mechanical work, and efficiency during walking in older and young healthy males. <i>PLoS ONE</i> , 2018, 13, e0194291.	2.5	13

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19	Recruitment order of motor neurons promoted by epidural stimulation in individuals with spinal cord injury. <i>Journal of Applied Physiology</i> , 2021, 131, 1100-1110.	2.5	12
20	Spinal cord imaging markers and recovery of standing with epidural stimulation in individuals with clinically motor complete spinal cord injury. <i>Experimental Brain Research</i> , 2022, 240, 279-288.	1.5	12
21	Epidural stimulation for cardiovascular function increases lower limb lean mass in individuals with chronic motor complete spinal cord injury. <i>Experimental Physiology</i> , 2020, 105, 1684-1691.	2.0	9
22	A 35-day bed rest does not alter the bilateral deficit of the lower limbs during explosive efforts. <i>European Journal of Applied Physiology</i> , 2015, 115, 1323-1330.	2.5	6
23	Submaximal Marker for Investigating Peak Muscle Torque Using Neuromuscular Electrical Stimulation after Paralysis. <i>Journal of Neurotrauma</i> , 2019, 36, 930-936.	3.4	4
24	Robotic upright stand trainer (RobUST) and postural control in individuals with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2023, 46, 889-899.	1.4	3
25	Effects of NMES pulse width and intensity on muscle mechanical output and oxygen extraction in able-bodied and paraplegic individuals. <i>European Journal of Applied Physiology</i> , 2021, 121, 1653-1664.	2.5	1
26	Effects of gravitational and iso-inertial resistance trainings using rating of perceived exertion on lower limbs muscle force and power abilities and metabolic cost of walking in healthy older adults. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, , .	0.7	0
27	Editorial: Advances in Spinal Cord Epidural Stimulation for Motor and Autonomic Functions Recovery After Severe Spinal Cord Injury. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 820913.	2.5	0