

D Michele Basso

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

6,667
citations

26
h-index

57
g-index

57
ext. papers

7,428
ext. citations

4.1
avg, IF

5.55
L-index

#	Paper	IF	Citations
56	A sensitive and reliable locomotor rating scale for open field testing in rats. <i>Journal of Neurotrauma</i> , 1995 , 12, 1-21	5.4	3248
55	Basso Mouse Scale for locomotion detects differences in recovery after spinal cord injury in five common mouse strains. <i>Journal of Neurotrauma</i> , 2006 , 23, 635-59	5.4	953
54	Three exercise paradigms differentially improve sensory recovery after spinal cord contusion in rats. <i>Brain</i> , 2004 , 127, 1403-14	11.2	240
53	Remote activation of microglia and pro-inflammatory cytokines predict the onset and severity of below-level neuropathic pain after spinal cord injury in rats. <i>Experimental Neurology</i> , 2008 , 212, 337-47	5.7	184
52	Pathological CNS autoimmune disease triggered by traumatic spinal cord injury: implications for autoimmune vaccine therapy. <i>Journal of Neuroscience</i> , 2002 , 22, 2690-700	6.6	171
51	Biomarkers of stroke recovery: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2017 , 12, 480-493	6.3	161
50	Voluntary wheel running improves recovery from a moderate spinal cord injury. <i>Journal of Neurotrauma</i> , 2005 , 22, 157-71	5.4	133
49	Passive or active immunization with myelin basic protein impairs neurological function and exacerbates neuropathology after spinal cord injury in rats. <i>Journal of Neuroscience</i> , 2004 , 24, 3752-61	6.6	118
48	Stepwise motor and all-or-none sensory recovery is associated with nonlinear sparing after incremental spinal cord injury in rats. <i>Experimental Neurology</i> , 2005 , 191, 251-65	5.7	111
47	Behavioral testing after spinal cord injury: congruities, complexities, and controversies. <i>Journal of Neurotrauma</i> , 2004 , 21, 395-404	5.4	109
46	Role of matrix metalloproteinases and therapeutic benefits of their inhibition in spinal cord injury. <i>Neurotherapeutics</i> , 2011 , 8, 206-20	6.4	97
45	Delayed Nogo receptor therapy improves recovery from spinal cord contusion. <i>Annals of Neurology</i> , 2006 , 60, 540-9	9.4	93
44	Validity of the walking scale for spinal cord injury and other domains of function in a multicenter clinical trial. <i>Neurorehabilitation and Neural Repair</i> , 2007 , 21, 539-50	4.7	88
43	Neuroanatomical Substrates of Functional Recovery After Experimental Spinal Cord Injury: Implications of Basic Science Research for Human Spinal Cord Injury. <i>Physical Therapy</i> , 2000 , 80, 808-817 ^{3.3}		85
42	Descending systems contributing to locomotor recovery after mild or moderate spinal cord injury in rats: experimental evidence and a review of literature. <i>Restorative Neurology and Neuroscience</i> , 2002 , 20, 189-218	2.8	77
41	Biomarkers of Stroke Recovery: Consensus-Based Core Recommendations from the Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 864-876	4.7	72
40	Skeletal muscle adaptations following spinal cord contusion injury in rat and the relationship to locomotor function: a time course study. <i>Journal of Neurotrauma</i> , 2001 , 18, 1075-89	5.4	50

39	Elevated MMP-9 in the lumbar cord early after thoracic spinal cord injury impedes motor relearning in mice. <i>Journal of Neuroscience</i> , 2013 , 33, 13101-11	6.6	49
38	Validity of acute and chronic tactile sensory testing after spinal cord injury in rats. <i>Experimental Neurology</i> , 2010 , 225, 366-76	5.7	48
37	Relationship between ASIA examination and functional outcomes in the NeuroRecovery Network Locomotor Training Program. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 1530-40	2.8	45
36	Are the 10 meter and 6 minute walk tests redundant in patients with spinal cord injury?. <i>PLoS ONE</i> , 2014 , 9, e94108	3.7	41
35	Targeting Translational Successes through CANSORT-SCI: Using Pet Dogs To Identify Effective Treatments for Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 2007-2018	5.4	37
34	Ambulation and balance outcomes measure different aspects of recovery in individuals with chronic, incomplete spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 1553-64	2.8	36
33	Longitudinal Recovery and Reduced Costs After 120 Sessions of Locomotor Training for Motor Incomplete Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018 , 99, 555-562	2.8	35
32	Injured mice at the gym: review, results and considerations for combining chondroitinase and locomotor exercise to enhance recovery after spinal cord injury. <i>Brain Research Bulletin</i> , 2011 , 84, 317-26	3.9	29
31	Microglia Promote Increased Pain Behavior through Enhanced Inflammation in the Spinal Cord during Repeated Social Defeat Stress. <i>Journal of Neuroscience</i> , 2019 , 39, 1139-1149	6.6	29
30	Adaptation of the Basso-Beattie-Bresnahan locomotor rating scale for use in a clinical model of spinal cord injury in dogs. <i>Journal of Neuroscience Methods</i> , 2016 , 268, 117-24	3	24
29	Supraspinal Control Predicts Locomotor Function and Forecasts Responsiveness to Training after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 1813-1825	5.4	23
28	Acute and chronic tactile sensory testing after spinal cord injury in rats. <i>Journal of Visualized Experiments</i> , 2012 , e3247	1.6	20
27	Differential recovery of bipedal and overground locomotion following complete spinal cord hemisection in cats. <i>Restorative Neurology and Neuroscience</i> , 1994 , 7, 95-110	2.8	18
26	Interrater reliability of the Neuromuscular Recovery Scale for spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, 1397-403	2.8	17
25	MiR-155 deletion reduces ischemia-induced paralysis in an aortic aneurysm repair mouse model: Utility of immunohistochemistry and histopathology in understanding etiology of spinal cord paralysis. <i>Annals of Diagnostic Pathology</i> , 2018 , 36, 12-20	2.2	17
24	Repetitive concussions in adolescent athletes - translating clinical and experimental research into perspectives on rehabilitation strategies. <i>Frontiers in Neurology</i> , 2015 , 6, 69	4.1	17
23	Quantitative evaluation of 3D mouse behaviors and motor function in the open-field after spinal cord injury using markerless motion tracking. <i>PLoS ONE</i> , 2013 , 8, e74536	3.7	17
22	Sparing of Descending Axons Rescues Interneuron Plasticity in the Lumbar Cord to Allow Adaptive Learning After Thoracic Spinal Cord Injury. <i>Frontiers in Neural Circuits</i> , 2016 , 10, 11	3.5	17

21	Responsiveness of the Neuromuscular Recovery Scale During Outpatient Activity-Dependent Rehabilitation for Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2016 , 30, 528-38	4.7	15
20	Bone Marrow-Derived Monocytes Drive the Inflammatory Microenvironment in Local and Remote Regions after Thoracic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019 , 36, 937-949	5.4	15
19	Test-retest reliability of the Neuromuscular Recovery Scale. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, 1375-84	2.8	14
18	Validity of the Neuromuscular Recovery Scale: a measurement model approach. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, 1385-96	2.8	14
17	Dual-task training for balance and mobility in a person with severe traumatic brain injury: a case study. <i>Journal of Neurologic Physical Therapy</i> , 2013 , 37, 37-43	4.1	14
16	Lumbar Myeloid Cell Trafficking into Locomotor Networks after Thoracic Spinal Cord Injury. <i>Experimental Neurology</i> , 2016 , 282, 86-98	5.7	13
15	Consideration of Dose and Timing When Applying Interventions After Stroke and Spinal Cord Injury. <i>Journal of Neurologic Physical Therapy</i> , 2017 , 41 Suppl 3, S24-S31	4.1	12
14	Characterization of recovered walking patterns and motor control after contusive spinal cord injury in rats. <i>Brain and Behavior</i> , 2012 , 2, 541-52	3.4	11
13	Sensory stimulation prior to spinal cord injury induces post-injury dysesthesia in mice. <i>Journal of Neurotrauma</i> , 2010 , 27, 777-87	5.4	10
12	A new look at an old problem: defining weight acceptance in human walking. <i>Gait and Posture</i> , 2014 , 39, 588-92	2.6	9
11	Caregiver Burden Varies by Sensory Subtypes and Sensory Dimension Scores of Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2018 , 48, 1133-1146	4.6	7
10	Training conditions that best reproduce the joint powers of unsupported walking. <i>Gait and Posture</i> , 2015 , 41, 597-602	2.6	5
9	Treadmill training after surgical removal of a spinal tumor in infancy. <i>Physical Therapy</i> , 2014 , 94, 1176-85	3.3	5
8	Biological basis of exercise-based treatments: spinal cord injury. <i>PM and R</i> , 2011 , 3, S73-7	2.2	4
7	Unique Sensory and Motor Behavior in Thy1-GFP-M Mice before and after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 2167-2182	5.4	3
6	Exploring Targeted Contrast-Enhanced Ultrasound to Detect Neural Inflammation: An Example of Standard Nomenclature. <i>Journal of Diagnostic Medical Sonography</i> , 2016 , 32, 313-323	0.4	3
5	Histological Findings After Aortic Cross-Clamping in Preclinical Animal Models. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021 , 80, 895-911	3.1	2
4	Molecular Ultrasound Imaging for the Detection of Neural Inflammation: A Longitudinal Dosing Pilot Study. <i>Journal of Diagnostic Medical Sonography</i> , 2017 , 33, 466-478	0.4	1

- 3 Invited commentary. *Physical Therapy*, **2011**, 91, 60-2; author reply 62 3.3 1
- 2 Eccentric rehabilitation induces white matter plasticity and sensorimotor recovery in chronic spinal cord injury. *Experimental Neurology*, **2021**, 346, 113853 5.7 0
- 1 Response to Letter to the Editor. *Archives of Physical Medicine and Rehabilitation*, **2018**, 99, 1024-1026 2.8