

Armin Curt

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

4,446
citations

159358

30
h-index

118652

62
g-index

80
all docs

80
docs citations

80
times ranked

4507
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic spinal cord injury. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17018.	18.1	1,138
2	Three-dimensional, task-specific robot therapy of the arm after stroke: a multicentre, parallel-group randomised trial. <i>Lancet Neurology</i> , The, 2014, 13, 159-166.	4.9	473
3	Degenerative cervical myelopathy " update and future directions. <i>Nature Reviews Neurology</i> , 2020, 16, 108-124.	4.9	264
4	MRI investigation of the sensorimotor cortex and the corticospinal tract after acute spinal cord injury: a prospective longitudinal study. <i>Lancet Neurology</i> , The, 2013, 12, 873-881.	4.9	239
5	Pronounced species divergence in corticospinal tract reorganization and functional recovery after lateralized spinal cord injury favors primates. <i>Science Translational Medicine</i> , 2015, 7, 302ra134.	5.8	148
6	MRI in traumatic spinal cord injury: from clinical assessment to neuroimaging biomarkers. <i>Lancet Neurology</i> , The, 2019, 18, 1123-1135.	4.9	125
7	Progressive neurodegeneration following spinal cord injury. <i>Neurology</i> , 2018, 90, e1257-e1266.	1.5	97
8	Association of pain and CNS structural changes after spinal cord injury. <i>Scientific Reports</i> , 2016, 6, 18534.	1.6	84
9	RE-CODE DCM (REsearch Objectives and Common Data Elements for Tj ETQq1 1 0.784314 rgBT /Overlook Efficiency in DCM, Through Establishment of a Standardized Dataset for Clinical Research and the Definition of the Research Priorities. <i>Global Spine Journal</i> , 2019, 9, 65S-76S.	1.2	83
10	Cell-based and stem-cell-based treatments for spinal cord injury: evidence from clinical trials. <i>Lancet Neurology</i> , The, 2022, 21, 659-670.	4.9	83
11	Tracking sensory system atrophy and outcome prediction in spinal cord injury. <i>Annals of Neurology</i> , 2015, 78, 751-761.	2.8	77
12	Relationship Between Motor Recovery and Independence After Sensorimotor-Complete Cervical Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 1064-1071.	1.4	73
13	Neurochemical biomarkers in spinal cord injury. <i>Spinal Cord</i> , 2019, 57, 819-831.	0.9	65
14	The impact of post-processing on spinal cord diffusion tensor imaging. <i>NeuroImage</i> , 2013, 70, 377-385.	2.1	59
15	Prediction of Bladder Outcomes after Traumatic Spinal Cord Injury: A Longitudinal Cohort Study. <i>PLoS Medicine</i> , 2016, 13, e1002041.	3.9	59
16	Multiparameter mapping of relaxation (R1, R2*), proton density and magnetization transfer saturation at 3 T: A multicenter dual-vendor reproducibility and repeatability study. <i>Human Brain Mapping</i> , 2020, 41, 4232-4247.	1.9	59
17	Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 939-948.	1.4	57
18	Voxel-based analysis of grey and white matter degeneration in cervical spondylotic myelopathy. <i>Scientific Reports</i> , 2016, 6, 24636.	1.6	52

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19	Neuropathic Pain and Functional Reorganization in the Primary Sensorimotor Cortex After Spinal Cord Injury. <i>Journal of Pain</i> , 2015, 16, 1256-1267.	0.7	48
20	Intralimb coordination as a sensitive indicator of motor-control impairment after spinal cord injury. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 148.	1.0	46
21	Robot-Assisted Arm Assessments in Spinal Cord Injured Patients: A Consideration of Concept Study. <i>PLoS ONE</i> , 2015, 10, e0126948.	1.1	45
22	Assessing structure and function of myelin in cervical spondylotic myelopathy. <i>Neurology</i> , 2017, 89, 602-610.	1.5	45
23	Early Administration of Gabapentinoids Improves Motor Recovery after Human Spinal Cord Injury. <i>Cell Reports</i> , 2017, 18, 1614-1618.	2.9	44
24	Spinal cord injury affects the interplay between visual and sensorimotor representations of the body. <i>Scientific Reports</i> , 2016, 6, 20144.	1.6	42
25	A multidirectional gravity-assist algorithm that enhances locomotor control in patients with stroke or spinal cord injury. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	42
26	Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , 2016, 139, 1855-1861.	3.7	39
27	Prediction of autonomic dysreflexia during urodynamics: a prospective cohort study. <i>BMC Medicine</i> , 2018, 16, 53.	2.3	38
28	Cervical Cord Neurodegeneration in Traumatic and Non-Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 860-867.	1.7	38
29	Normative data for the segmental acquisition of contact heat evoked potentials in cervical dermatomes. <i>Scientific Reports</i> , 2016, 6, 34660.	1.6	36
30	Early urological care of patients with spinal cord injury. <i>World Journal of Urology</i> , 2018, 36, 1537-1544.	1.2	36
31	Natural history of neurological improvement following complete (AIS A) thoracic spinal cord injury across three registries to guide acute clinical trial design and interpretation. <i>Spinal Cord</i> , 2019, 57, 753-762.	0.9	34
32	Width and neurophysiologic properties of tissue bridges predict recovery after cervical injury. <i>Neurology</i> , 2019, 92, e2793-e2802.	1.5	34
33	Progression of Neuropathic Pain after Acute Spinal Cord Injury: A Meta-Analysis and Framework for Clinical Trials. <i>Journal of Neurotrauma</i> , 2019, 36, 1461-1468.	1.7	33
34	Outcome of the upper limb in cervical spinal cord injury: Profiles of recovery and insights for clinical studies. <i>Journal of Spinal Cord Medicine</i> , 2014, 37, 503-510.	0.7	32
35	Predictive Value of Upper Limb Muscles and Grasp Patterns on Functional Outcome in Cervical Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 295-306.	1.4	28
36	Neuroprosthetic technologies to augment the impact of neurorehabilitation after spinal cord injury. <i>Annals of Physical and Rehabilitation Medicine</i> , 2015, 58, 232-237.	1.1	26

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37	Metabolites of neuroinflammation relate to neuropathic pain after spinal cord injury. <i>Neurology</i> , 2020, 95, e805-e814.	1.5	25
38	Tissue bridges predict recovery after traumatic and ischemic thoracic spinal cord injury. <i>Neurology</i> , 2019, 93, e1550-e1560.	1.5	23
39	Clinical outcome measures and their evidence base in degenerative cervical myelopathy: a systematic review to inform a core measurement set (AO Spine RECODE-DCM). <i>BMJ Open</i> , 2022, 12, e057650.	0.8	22
40	Upper Limb Recovery in Spinal Cord Injury: Involvement of Central and Peripheral Motor Pathways. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 432-441.	1.4	20
41	Predictive Value of Midsagittal Tissue Bridges on Functional Recovery After Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 33-43.	1.4	20
42	Longitudinal changes of spinal cord grey and white matter following spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1222-1230.	0.9	20
43	Autonomic dysreflexia and repeatability of cardiovascular changes during same session repeat urodynamic investigation in women with spinal cord injury. <i>World Journal of Urology</i> , 2016, 34, 391-397.	1.2	19
44	Sensorimotor plasticity after spinal cord injury: a longitudinal and translational study. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 68-82.	1.7	19
45	Assessment of neuropathic pain after spinal cord injury using quantitative pain drawings. <i>Spinal Cord</i> , 2021, 59, 529-537.	0.9	19
46	The Restless Spinal Cord in Degenerative Cervical Myelopathy. <i>American Journal of Neuroradiology</i> , 2021, 42, 597-609.	1.2	19
47	Supraspinal nociceptive networks in neuropathic pain after spinal cord injury. <i>Human Brain Mapping</i> , 2021, 42, 3733-3749.	1.9	19
48	Tracking White and Gray Matter Degeneration along the Spinal Cord Axis in Degenerative Cervical Myelopathy. <i>Journal of Neurotrauma</i> , 2021, 38, 2978-2987.	1.7	19
49	Painâ€œautonomic interaction: A surrogate marker of central sensitization. <i>European Journal of Pain</i> , 2020, 24, 2015-2026.	1.4	18
50	TASCIâ€œtranscutaneous tibial nerve stimulation in patients with acute spinal cord injury to prevent neurogenic detrusor overactivity: protocol for a nationwide, randomised, sham-controlled, double-blind clinical trial. <i>BMJ Open</i> , 2020, 10, e039164.	0.8	18
51	Disentangling the Effects of Spinal Cord Injury and Related Neuropathic Pain on Supraspinal Neuroplasticity: A Systematic Review on Neuroimaging. <i>Frontiers in Neurology</i> , 2019, 10, 1413.	1.1	18
52	Functional Motor Preservation Below the Level of Injury in Subjects With American Spinal Injury Association Impairment Scale Grade A Spinal Cord Injuries. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 905-907.	0.5	17
53	Locomotor Recovery in Spinal Cord Injury: Insights Beyond Walking Speed and Distance. <i>Journal of Neurotrauma</i> , 2016, 33, 1428-1435.	1.7	15
54	Effectiveness of High-Frequency Electrical Stimulation Following Sensitization With Capsaicin. <i>Journal of Pain</i> , 2015, 16, 595-605.	0.7	14

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55	Bowel Outcome Prediction After Traumatic Spinal Cord Injury: Longitudinal Cohort Study. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 902-910.	1.4	14
56	MR Spectroscopy of the Cervical Spinal Cord in Chronic Spinal Cord Injury. <i>Radiology</i> , 2019, 291, 131-138.	3.6	13
57	Feedback improves compliance of pressure relief activities in wheelchair users with spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 175-184.	0.9	13
58	Early neurological care of patients with spinal cord injury. <i>World Journal of Urology</i> , 2018, 36, 1529-1536.	1.2	12
59	Extent of Cord Pathology in the Lumbosacral Enlargement in Non-Traumatic versus Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2022, 39, 639-650.	1.7	12
60	Thermal grill conditioning: Effect on contact heat evoked potentials. <i>Scientific Reports</i> , 2017, 7, 40007.	1.6	11
61	Prediction of bladder outcomes after ischemic spinal cord injury: A longitudinal cohort study from the European multicenter study about spinal cord injury. <i>Neurourology and Urodynamics</i> , 2018, 37, 1779-1784.	0.8	11
62	Contact Heat Evoked Potentials Are Responsive to Peripheral Sensitization: Requisite Stimulation Parameters. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 459.	1.0	11
63	Combined Neurophysiologic and Neuroimaging Approach to Reveal the Structure-Function Paradox in Cervical Myelopathy. <i>Neurology</i> , 2021, 97, e1512-e1522.	1.5	11
64	Pinprick Evoked Potentials—Reliable Acquisition in Healthy Human Volunteers. <i>Pain Medicine</i> , 2020, 21, 736-746.	0.9	9
65	Comparison of outcomes between people with and without central cord syndrome. <i>Spinal Cord</i> , 2020, 58, 1263-1273.	0.9	9
66	Descending pain modulatory efficiency in healthy subjects is related to structure and resting connectivity of brain regions. <i>NeuroImage</i> , 2022, 247, 118742.	2.1	9
67	Cold evoked potentials: Acquisition from cervical dermatomes. <i>Neurophysiologie Clinique</i> , 2019, 49, 49-57.	1.0	8
68	The Effect of Conditioned Pain Modulation on Tonic Heat Pain Assessed Using Participant-Controlled Temperature. <i>Pain Medicine</i> , 2020, 21, 2839-2849.	0.9	7
69	Update from TASCI, a Nationwide, Randomized, Sham-controlled, Double-blind Clinical Trial on Transcutaneous Tibial Nerve Stimulation in Patients with Acute Spinal Cord Injury to Prevent Neurogenic Detrusor Overactivity. <i>European Urology Focus</i> , 2020, 6, 877-879.	1.6	6
70	Single-trial averaging improves the physiological interpretation of contact heat evoked potentials. <i>NeuroImage</i> , 2021, 225, 117473.	2.1	5
71	Not Hot, but Sharp: Dissociation of Pinprick and Heat Perception in Snake Eye Appearance Myelopathy. <i>Frontiers in Neurology</i> , 2018, 9, 1144.	1.1	4
72	Identifying Discomplete Spinal Lesions: New Evidence from Pain-Autonomic Interaction in Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 3456-3466.	1.7	4

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73	Investigation of Cerebral White Matter Changes After Spinal Cord Injury With a Measure of Fiber Density. <i>Frontiers in Neurology</i> , 2021, 12, 598336.	1.1	3
74	External Validation Confirms Validity of a Simple Model to Predict Bowel Outcome After Traumatic Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 659-662.	1.4	2
75	Cold evoked potentials elicited by rapid cooling of the skin in young and elderly healthy individuals. <i>Scientific Reports</i> , 2022, 12, 4137.	1.6	2
76	The Spinal Cord Ability Ruler (SCAR) complements the Spinal Cord Independence Measure (SCIM). <i>Spinal Cord</i> , 2018, 56, 525-526.	0.9	1
77	Optimizing clinical trial design using prospective cohort study data: a case study in neuro-urology. <i>Spinal Cord</i> , 2021, 59, 1003-1012.	0.9	1