

# Soheila Karimi-Abdolrezaee

## List of Publications by Year in descending order

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46  
papers

4,577  
citations

186265

28  
h-index

206112

48  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic Spinal Cord Injury: An Overview of Pathophysiology, Models and Acute Injury Mechanisms. <i>Frontiers in Neurology</i> , 2019, 10, 282.	2.4	698
2	Delayed Transplantation of Adult Neural Precursor Cells Promotes Remyelination and Functional Neurological Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2006, 26, 3377-3389.	3.6	549
3	A Systematic Review of Cellular Transplantation Therapies for Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1611-1682.	3.4	490
4	Modulation of the proteoglycan receptor PTP $\beta$ promotes recovery after spinal cord injury. <i>Nature</i> , 2015, 518, 404-408.	27.8	385
5	Synergistic Effects of Transplanted Adult Neural Stem/Progenitor Cells, Chondroitinase, and Growth Factors Promote Functional Repair and Plasticity of the Chronically Injured Spinal Cord. <i>Journal of Neuroscience</i> , 2010, 30, 1657-1676.	3.6	328
6	Reactive Astrogliosis after Spinal Cord Injury—Beneficial and Detrimental Effects. <i>Molecular Neurobiology</i> , 2012, 46, 251-264.	4.0	285
7	Myelin damage and repair in pathologic CNS: challenges and prospects. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 35.	2.9	163
8	Chondroitin sulfate proteoglycans: Key modulators in the developing and pathologic central nervous system. <i>Experimental Neurology</i> , 2015, 269, 169-187.	4.1	137
9	Chondroitinase and Growth Factors Enhance Activation and Oligodendrocyte Differentiation of Endogenous Neural Precursor Cells after Spinal Cord Injury. <i>PLoS ONE</i> , 2012, 7, e37589.	2.5	109
10	Myelination of Congenitally Dysmyelinated Spinal Cord Axons by Adult Neural Precursor Cells Results in Formation of Nodes of Ranvier and Improved Axonal Conduction. <i>Journal of Neuroscience</i> , 2007, 27, 3416-3428.	3.6	104
11	Current status of experimental cell replacement approaches to spinal cord injury. <i>Neurosurgical Focus</i> , 2008, 24, E19.	2.3	90
12	Temporal and spatial patterns of Kv1.1 and Kv1.2 protein and gene expression in spinal cord white matter after acute and chronic spinal cord injury in rats: implications for axonal pathophysiology after neurotrauma. <i>European Journal of Neuroscience</i> , 2004, 19, 577-589.	2.6	84
13	Neuregulin-1/ErbB network: An emerging modulator of nervous system injury and repair. <i>Progress in Neurobiology</i> , 2019, 180, 101643.	5.7	74
14	Perturbing chondroitin sulfate proteoglycan signaling through LAR and PTP $\beta$ receptors promotes a beneficial inflammatory response following spinal cord injury. <i>Journal of Neuroinflammation</i> , 2018, 15, 90.	7.2	73
15	Microenvironmental regulation of oligodendrocyte replacement and remyelination in spinal cord injury. <i>Journal of Physiology</i> , 2016, 594, 3539-3552.	2.9	71
16	Genome-wide gene expression profiling of stress response in a spinal cord clip compression injury model. <i>BMC Genomics</i> , 2013, 14, 583.	2.8	64
17	Functional Changes in Genetically Dysmyelinated Spinal Cord Axons of Shiverer Mice: Role of Juxtaparanodal Kv1 Family K <sup>+</sup> Channels. <i>Journal of Neurophysiology</i> , 2006, 95, 1683-1695.	1.8	61
18	Dysregulation of the neuregulin-1/ErbB network modulates endogenous oligodendrocyte differentiation and preservation after spinal cord injury. <i>European Journal of Neuroscience</i> , 2013, 38, 2693-2715.	2.6	59

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19	Chondroitin Sulfate Proteoglycans Negatively Modulate Spinal Cord Neural Precursor Cells by Signaling Through LAR and RPTP $\beta$ and Modulation of the Rho/ROCK Pathway. <i>Stem Cells</i> , 2015, 33, 2550-2563.	3.2	59
20	Kinematic Study of Locomotor Recovery after Spinal Cord Clip Compression Injury in Rats. <i>Journal of Neurotrauma</i> , 2011, 28, 1963-1981.	3.4	58
21	Neuregulin-1 positively modulates glial response and improves neurological recovery following traumatic spinal cord injury. <i>Glia</i> , 2017, 65, 1152-1175.	4.9	54
22	Demonstrating efficacy in preclinical studies of cellular therapies for spinal cord injury – How much is enough?. <i>Experimental Neurology</i> , 2013, 248, 30-44.	4.1	52
23	Examination of the Combined Effects of Chondroitinase ABC, Growth Factors and Locomotor Training following Compressive Spinal Cord Injury on Neuroanatomical Plasticity and Kinematics. <i>PLoS ONE</i> , 2014, 9, e111072.	2.5	51
24	Neuregulin-1 elicits a regulatory immune response following traumatic spinal cord injury. <i>Journal of Neuroinflammation</i> , 2018, 15, 53.	7.2	46
25	Neuregulin-1 promotes remyelination and fosters a pro-regenerative inflammatory response in focal demyelinating lesions of the spinal cord. <i>Glia</i> , 2018, 66, 538-561.	4.9	44
26	LAR and PTP $\beta$ receptors are negative regulators of oligodendrogenesis and oligodendrocyte integrity in spinal cord injury. <i>Glia</i> , 2019, 67, 125-145.	4.9	44
27	Design and optimization of PLGA microparticles for controlled and local delivery of Neuregulin-1 in traumatic spinal cord injury. <i>Journal of Controlled Release</i> , 2017, 261, 147-162.	9.9	33
28	Inhibition of VDAC1 Protects Against Glutamate-Induced Oxytosis and Mitochondrial Fragmentation in Hippocampal HT22 Cells. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 73-85.	3.3	31
29	Recent insights on astrocyte mechanisms in CNS homeostasis, pathology, and repair. <i>Journal of Neuroscience Research</i> , 2021, 99, 2427-2462.	2.9	31
30	Structural and functional alterations of spinal cord axons in adult Long Evans Shaker (LES) dysmyelinated rats. <i>Experimental Neurology</i> , 2005, 193, 334-349.	4.1	25
31	Stem Cells and Spinal Cord Injury Repair. <i>Advances in Experimental Medicine and Biology</i> , 2012, 760, 53-73.	1.6	25
32	Versican promotes T helper 17 cytotoxic inflammation and impedes oligodendrocyte precursor cell remyelination. <i>Nature Communications</i> , 2022, 13, 2445.	12.8	22
33	Retrograde Repression of Growth-Associated Protein-43 mRNA Expression in Rat Cortical Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 1816-1822.	3.6	21
34	Bone morphogenetic proteins: New insights into their roles and mechanisms in CNS development, pathology and repair. <i>Experimental Neurology</i> , 2020, 334, 113455.	4.1	18
35	Molecular and electrophysiological evidence for the expression of BK channels in oligodendroglial precursor cells. <i>European Journal of Neuroscience</i> , 2011, 34, 538-547.	2.6	17
36	Acute upregulation of bone morphogenetic protein-4 regulates endogenous cell response and promotes cell death in spinal cord injury. <i>Experimental Neurology</i> , 2020, 325, 113163.	4.1	17

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37	Mechanisms and repair strategies for white matter degeneration in CNS injury and diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166117.	3.8	17
38	Current status of neuroprotective and neuroregenerative strategies in multiple sclerosis: A systematic review. <i>Multiple Sclerosis Journal</i> , 2022, 28, 29-48.	3.0	15
39	Developmental Down-Regulation of GAP-43 Expression and Timing of Target Contact in Rat Corticospinal Neurons. <i>Experimental Neurology</i> , 2002, 176, 390-401.	4.1	14
40	Neuregulin-1 beta 1 is implicated in pathogenesis of multiple sclerosis. <i>Brain</i> , 2021, 144, 162-185.	7.6	11
41	Role of chondroitin sulfate proteoglycan signaling in regulating neuroinflammation following spinal cord injury. <i>Neural Regeneration Research</i> , 2018, 13, 2080.	3.0	11
42	Suppressing CSPG/LAR/PTP $\beta$ Axis Facilitates Neuronal Replacement and Synaptogenesis by Human Neural Precursor Grafts and Improves Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2022, 42, 3096-3121.	3.6	10
43	Neuregulin-1 Fosters Supportive Interactions between Microglia and Neural Stem/Progenitor Cells. <i>Stem Cells International</i> , 2019, 2019, 1-20.	2.5	9
44	A New Microfluidic Platform for Studying Natural Killer Cell and Dendritic Cell Interactions. <i>Micromachines</i> , 2019, 10, 851.	2.9	5
45	Availability of neuregulin-1beta1 protects neurons in spinal cord injury and against glutamate toxicity through caspase dependent and independent mechanisms. <i>Experimental Neurology</i> , 2021, 345, 113817.	4.1	5
46	Neuregulin-1: a novel regulator of glial response in spinal cord injury. <i>Neural Regeneration Research</i> , 2017, 12, 1616.	3.0	4