Dietmar Fischer

List of Publications by Year
in descending order

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57 papers	4,147 citations	185998 28 h-index	161609 54 g-index
61 all docs	61 docs citations	61 times ranked	3563 citing authors

#	Article	IF	Citations
1	Transneuronal delivery of designer cytokines: perspectives for spinal cord injury. Neural Regeneration Research, 2022, 17, 338.	1.6	3
2	Transneuronal delivery of hyper-interleukin-6 enables functional recovery after severe spinal cord injury in mice. Nature Communications, 2021, 12, 391.	5.8	77
3	CXCR4/CXCL12-mediated entrapment of axons at the injury site compromises optic nerve regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
4	Dose-dependent immunomodulatory effects of bortezomib in experimental autoimmune neuritis. Brain Communications, 2021, 3, fcab238.	1.5	4
5	Advances in chemistry and bioactivity of parthenolide. Natural Product Reports, 2020, 37, 541-565.	5.2	98
6	Protective effects of 4-aminopyridine in experimental optic neuritis and multiple sclerosis. Brain, 2020, 143, 1127-1142.	3.7	29
7	GSK3-CRMP2 signaling mediates axonal regeneration induced by Pten knockout. Communications Biology, 2019, 2, 318.	2.0	32
8	Monitoring retinal changes with optical coherence tomography predicts neuronal loss in experimental autoimmune encephalomyelitis. Journal of Neuroinflammation, 2019, 16, 203.	3.1	28
9	Muscle LIM Protein Is Expressed in the Injured Adult CNS and Promotes Axon Regeneration. Cell Reports, 2019, 26, 1021-1032.e6.	2.9	12
10	Stereoselective total synthesis of parthenolides indicates target selectivity for tubulin carboxypeptidase activity. Chemical Science, 2019, 10, 7358-7364.	3.7	17
11	Using Optical Coherence Tomography and Optokinetic Response As Structural and Functional Visual System Readouts in Mice and Rats. Journal of Visualized Experiments, 2019, , .	0.2	13
12	Synthesis and biological profiling of parthenolide ether analogs. Organic and Biomolecular Chemistry, 2019, 17, 9703-9707.	1.5	6
13	The role of muscle LIM protein in the nervous system. Neural Regeneration Research, 2019, 14, 1907.	1.6	0
14	Early alpha-lipoic acid therapy protects from degeneration of the inner retinal layers and vision loss in an experimental autoimmune encephalomyelitis-optic neuritis model. Journal of Neuroinflammation, 2018, 15, 71.	3.1	37
15	Studying the Role of Microglia in Neurodegeneration and Axonal Regeneration in the Murine Visual System. Bio-protocol, 2018, 8, e2979.	0.2	1
16	Nociceptive DRG neurons express muscle lim protein upon axonal injury. Scientific Reports, 2017, 7, 643.	1.6	8
17	Boosting CNS axon regeneration by harnessing antagonistic effects of GSK3 activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5454-E5463.	3.3	57
18	Microglia Are Irrelevant for Neuronal Degeneration and Axon Regeneration after Acute Injury. Journal of Neuroscience, 2017, 37, 6113-6124.	1.7	155

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19	Optic nerve regeneration in mammals: Regenerated or spared axons?. Experimental Neurology, 2017, 296, 83-88.	2.0	38
20	Highly efficient transduction of primary adult CNS and PNS neurons. Scientific Reports, 2016, 6, 38928.	1.6	17
21	Boosting Central Nervous System Axon Regeneration by Circumventing Limitations of Natural Cytokine Signaling. Molecular Therapy, 2016, 24, 1712-1725.	3.7	64
22	Promotion of Functional Nerve Regeneration by Inhibition of Microtubule Detyrosination. Journal of Neuroscience, 2016, 36, 3890-3902.	1.7	62
23	Induction and phosphorylation of the small heat shock proteins HspB1/Hsp25 and HspB5/Î±B-crystallin in the rat retina upon optic nerve injury. Cell Stress and Chaperones, 2016, 21, 167-178.	1.2	10
24	Parthenolide: a novel pharmacological approach to promote nerve regeneration. Neural Regeneration Research, 2016, 11, 1566.	1.6	7
25	Characterization of optic nerve regeneration using transgenic zebrafish. Frontiers in Cellular Neuroscience, 2015, 9, 118.	1.8	39
26	Active mechanistic target of rapamycin plays an ancillary rather than essential role in zebrafish CNS axon regeneration. Frontiers in Cellular Neuroscience, 2015, 9, 251.	1.8	25
27	Role of GSK3 in peripheral nerve regeneration. Neural Regeneration Research, 2015, 10, 1602.	1.6	11
28	Inflammatory stimulation preserves physiological properties of retinal ganglion cells after optic nerve injury. Frontiers in Cellular Neuroscience, 2014, 8, 38.	1.8	35
29	Sustained GSK3 activity markedly facilitates nerve regeneration. Nature Communications, 2014, 5, 4561.	5.8	72
30	Neuronal Expression of Muscle LIM Protein in Postnatal Retinae of Rodents. PLoS ONE, 2014, 9, e100756.	1.1	7
31	Glaucoma and optic nerve repair. Cell and Tissue Research, 2013, 353, 327-337.	1.5	39
32	CXCL12/SDF-1 facilitates optic nerve regeneration. Neurobiology of Disease, 2013, 55, 76-86.	2.1	62
33	Do growth-stimulated retinal ganglion cell axons find their central targets after optic nerve injury? New insights by three-dimensional imaging of the visual pathway. Experimental Neurology, 2013, 248, 254-257.	2.0	10
34	Lens Injury Has a Protective Effect on Photoreceptors in the RCS Rat. ISRN Ophthalmology, 2013, 2013, 1-7.	1.7	7
35	Promoting optic nerve regeneration. Progress in Retinal and Eye Research, 2012, 31, 688-701.	7.3	122
36	Stimulating axonal regeneration of mature retinal ganglion cells and overcoming inhibitory signaling. Cell and Tissue Research, 2012, 349, 79-85.	1.5	23

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37	Role of mTOR in neuroprotection and axon regeneration after inflammatory stimulation. Neurobiology of Disease, 2012, 46, 314-324.	2.1	78
38	Neurite Outgrowth of Mature Retinal Ganglion Cells and PC12 Cells Requires Activity of CK1Î´ and CK1Îµ. PLoS ONE, 2011, 6, e20857.	1.1	12
39	Facilitating axon regeneration in the injured CNS by microtubules stabilization. Communicative and Integrative Biology, 2011, 4, 391-393.	0.6	41
40	Taxol Facilitates Axon Regeneration in the Mature CNS. Journal of Neuroscience, 2011, 31, 2688-2699.	1.7	228
41	Facilitating axon regeneration in the injured CNS by microtubules stabilization. Communicative and Integrative Biology, 2011, 4, 391-3.	0.6	32
42	Stimulation of Axon Regeneration in the Mature Optic Nerve by Intravitreal Application of the Toll-like Receptor 2 Agonist Pam₃Cys. , 2010, 51, 459.		72
43	Analysis of Cell Type-specific Expression of CK1Îµ in Various Tissues of Young Adult BALB/c Mice and in Mammary Tumors of SV40 T-Ag-transgenic Mice. Journal of Histochemistry and Cytochemistry, 2010, 58, 1-15.	1.3	21
44	What are the principal mediators of optic nerve regeneration after inflammatory stimulation in the eye?. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E8; author reply E9.	3.3	16
45	A Method for Preparing Primary Retinal Cell Cultures for Evaluating the Neuroprotective and Neuritogenic Effect of Factors on Axotomized Mature CNS Neurons. Current Protocols in Neuroscience, 2010, 53, Unit3.22.	2.6	33
46	Immunohistochemical Characterisation of Cell-Type Specific Expression of CK1Î´ in Various Tissues of Young Adult BALB/c Mice. PLoS ONE, 2009, 4, e4174.	1.1	19
47	Neuroprotective and Axon Growth-Promoting Effects following Inflammatory Stimulation on Mature Retinal Ganglion Cells in Mice Depend on Ciliary Neurotrophic Factor and Leukemia Inhibitory Factor. Journal of Neuroscience, 2009, 29, 14334-14341.	1.7	219
48	Exogenous CNTF stimulates axon regeneration of retinal ganglion cells partially via endogenous CNTF. Molecular and Cellular Neurosciences, 2009, 41, 233-246.	1.0	154
49	Crystallins of the Î²/Î³-superfamily mimic the effects of lens injury and promote axon regeneration. Molecular and Cellular Neurosciences, 2008, 37, 471-479.	1.0	99
50	Neuroprotective and axon growth promoting effects of intraocular inflammation do not depend on oncomodulin or the presence of large numbers of activated macrophages. Experimental Neurology, 2008, 209, 469-482.	2.0	85
51	Astrocyte-derived CNTF switches mature RGCs to a regenerative state following inflammatory stimulation. Brain, 2007, 130, 3308-3320.	3.7	221
52	Counteracting the Nogo Receptor Enhances Optic Nerve Regeneration If Retinal Ganglion Cells Are in an Active Growth State. Journal of Neuroscience, 2004, 24, 1646-1651.	1.7	258
53	Switching Mature Retinal Ganglion Cells to a Robust Growth State In Vivo: Gene Expression and Synergy with RhoA Inactivation. Journal of Neuroscience, 2004, 24, 8726-8740.	1.7	255
54	Macrophage-Derived Factors Stimulate Optic Nerve Regeneration. Journal of Neuroscience, 2003, 23, 2284-2293.	1.7	482

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55	A Broad Role for Melanopsin in Nonvisual Photoreception. Journal of Neuroscience, 2003, 23, 7093-7106.	1.7	418
56	Evidence for functional regeneration of the visual pathway in adult rats. Neuro-Ophthalmology, 2002, 27, 163-176.	0.4	0
57	Lens-Injury-Stimulated Axonal Regeneration throughout the Optic Pathway of Adult Rats. Experimental Neurology, 2001, 172, 257-272.	2.0	163