

Fred De Winter

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,065
citations

304602

22
h-index

345118

36
g-index

45
all docs

45
docs citations

45
times ranked

2867
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible CD8 T cellâ€“neuron cross-talk causes aging-dependent neuronal regenerative decline. <i>Science</i> , 2022, 376, eabd5926.	6.0	30
2	Chondroitin sulfate proteoglycans prevent immune cell phenotypic conversion and inflammation resolution via TLR4 in rodent models of spinal cord injury. <i>Nature Communications</i> , 2022, 13, .	5.8	27
3	Coordinated changes in the expression of Wnt pathway genes following human and rat peripheral nerve injury. <i>PLoS ONE</i> , 2021, 16, e0249748.	1.1	7
4	Semaphorins in Adult Nervous System Plasticity and Disease. <i>Frontiers in Synaptic Neuroscience</i> , 2021, 13, 672891.	1.3	52
5	A cell typeâ€“specific cortico-subcortical brain circuit for investigatory and novelty-seeking behavior. <i>Science</i> , 2021, 372, .	6.0	53
6	Somatostatin interneurons restrict cell recruitment to retinally driven spontaneous activity in the developing cortex. <i>Cell Reports</i> , 2021, 36, 109316.	2.9	14
7	GDNF Gene Therapy to Repair the Injured Peripheral Nerve. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 583184.	2.0	16
8	Combining timed GDNF and ChABC gene therapy to promote longâ€“distance regeneration following ventral root avulsion and repair. <i>FASEB Journal</i> , 2020, 34, 10605-10622.	0.2	2
9	Cerebellar plasticity and associative memories are controlled by perineuronal nets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6855-6865.	3.3	65
10	ORANGE: A CRISPR/Cas9-based genome editing toolbox for epitope tagging of endogenous proteins in neurons. <i>PLoS Biology</i> , 2020, 18, e3000665.	2.6	107
11	Enhanced regeneration and reinnervation following timed GDNF gene therapy in a cervical ventral root avulsion. <i>Experimental Neurology</i> , 2019, 321, 113037.	2.0	8
12	Glial cells maintain synapses by inhibiting an activity-dependent retrograde protease signal. <i>PLoS Genetics</i> , 2019, 15, e1007948.	1.5	17
13	Inhibition of Semaphorin3A Promotes Ocular Dominance Plasticity in the Adult Rat Visual Cortex. <i>Molecular Neurobiology</i> , 2019, 56, 5987-5997.	1.9	26
14	Timed GDNF gene therapy using an immune-evasive gene switch promotes long distance axon regeneration. <i>Brain</i> , 2019, 142, 295-311.	3.7	31
15	Immune-evasive gene switch enables regulated delivery of chondroitinase after spinal cord injury. <i>Brain</i> , 2018, 141, 2362-2381.	3.7	87
16	Expression of a Mutant SEMA3A Protein with Diminished Signalling Capacity Does Not Alter ALS-Related Motor Decline, or Confer Changes in NMJ Plasticity after BotoxA-Induced Paralysis of Male Gastrocnemius Muscle. <i>PLoS ONE</i> , 2017, 12, e0170314.	1.1	13
17	Clinical and neurobiological advances in promoting regeneration of the ventral root avulsion lesion. <i>European Journal of Neuroscience</i> , 2016, 43, 318-335.	1.2	22
18	Neuregulin 1 improves cognitive deficits and neuropathology in an Alzheimerâ€™s disease model. <i>Scientific Reports</i> , 2016, 6, 31692.	1.6	39

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19	Gene therapy and peripheral nerve repair: a perspective. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 32.	1.4	36
20	Human Neuroma-in-Continuity Contains Focal Deficits in Myelination. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 901-911.	0.9	14
21	Characterization of Glial Cell Models and <i>In Vitro</i> Manipulation of the Neuregulin1/ErbB System. <i>BioMed Research International</i> , 2014, 2014, 1-15.	0.9	11
22	ALS as a distal axonopathy: molecular mechanisms affecting neuromuscular junction stability in the presymptomatic stages of the disease. <i>Frontiers in Neuroscience</i> , 2014, 8, 252.	1.4	240
23	A comparative morphological, electrophysiological and functional analysis of axon regeneration through peripheral nerve autografts genetically modified to overexpress BDNF, CNTF, GDNF, NGF, NT3 or VEGF. <i>Experimental Neurology</i> , 2014, 261, 578-593.	2.0	83
24	Gene therapy approaches to enhance regeneration of the injured peripheral nerve. <i>European Journal of Pharmacology</i> , 2013, 719, 145-152.	1.7	14
25	The chemorepulsive axon guidance protein semaphorin3A is a constituent of perineuronal nets in the adult rodent brain. <i>Molecular and Cellular Neurosciences</i> , 2013, 56, 186-200.	1.0	108
26	Lentiviral Vector-Mediated Gradients of GDNF in the Injured Peripheral Nerve: Effects on Nerve Coil Formation, Schwann Cell Maturation and Myelination. <i>PLoS ONE</i> , 2013, 8, e71076.	1.1	69
27	Nestin negatively regulates postsynaptic differentiation of the neuromuscular synapse. <i>Nature Neuroscience</i> , 2011, 14, 324-330.	7.1	44
28	The expression of the chemorepellent Semaphorin 3A is selectively induced in terminal Schwann cells of a subset of neuromuscular synapses that display limited anatomical plasticity and enhanced vulnerability in motor neuron disease. <i>Molecular and Cellular Neurosciences</i> , 2006, 32, 102-117.	1.0	154
29	Proteomics of the Injured Rat Sciatic Nerve Reveals Protein Expression Dynamics During Regeneration. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 120-132.	2.5	60
30	Semaphorin 3A displays a punctate distribution on the surface of neuronal cells and interacts with proteoglycans in the extracellular matrix. <i>Molecular and Cellular Neurosciences</i> , 2005, 29, 40-55.	1.0	122
31	Expression of Class-3 Semaphorins and Their Receptors in the Neonatal and Adult Rat Retina. , 2004, 45, 4554.		46
32	Rescue and sprouting of motoneurons following ventral root avulsion and reimplantation combined with intraspinal adeno-associated viral vector-mediated expression of glial cell line-derived neurotrophic factor or brain-derived neurotrophic factor. <i>Experimental Neurology</i> , 2004, 189, 303-316.	2.0	119
33	Semaphorins: contributors to structural stability of hippocampal networks?. <i>Progress in Brain Research</i> , 2002, 138, 17-38.	0.9	16
34	Neuropilin and Class 3 Semaphorins In Nervous System Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2002, 515, 115-139.	0.8	61
35	Adenoviral Vector-Mediated Gene Delivery to Injured Rat Peripheral Nerve. <i>Journal of Neurotrauma</i> , 1998, 15, 387-397.	1.7	32
36	Chapter 13 Role for semaphorin III and its receptor neuropilin-1 in neuronal regeneration and scar formation?. <i>Progress in Brain Research</i> , 1998, 117, 151-170.	0.9	39

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37	Evidence for a Role of the Chemorepellent Semaphorin III and Its Receptor Neuropilin-1 in the Regeneration of Primary Olfactory Axons. <i>Journal of Neuroscience</i> , 1998, 18, 9962-9976.	1.7	181