

Ruben Eggers

List of Publications by Citations

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35
papers

1,434
citations

20
h-index

35
g-index

35
ext. papers

1,587
ext. citations

5.2
avg, IF

3.9
L-index

#	Paper	IF	Citations
35	Comparison of AAV serotypes for gene delivery to dorsal root ganglion neurons. <i>Molecular Therapy</i> , 2010 , 18, 715-24	11.7	133
34	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, 302-16	5.7	110
33	Differential effects of lentiviral vector-mediated overexpression of nerve growth factor and glial cell line-derived neurotrophic factor on regenerating sensory and motor axons in the transected peripheral nerve. <i>European Journal of Neuroscience</i> , 2008 , 28, 1467-79	3.5	94
32	Intravitreal injection of adeno-associated viral vectors results in the transduction of different types of retinal neurons in neonatal and adult rats: a comparison with lentiviral vectors. <i>Molecular and Cellular Neurosciences</i> , 2002 , 21, 141-57	4.8	90
31	The proliferative capacity of the subventricular zone is maintained in the parkinsonian brain. <i>Brain</i> , 2011 , 134, 3249-63	11.2	85
30	Efficient delivery of Cre-recombinase to neurons in vivo and stable transduction of neurons using adeno-associated and lentiviral vectors. <i>BMC Neuroscience</i> , 2004 , 5, 4	3.2	81
29	Locomotor recovery after spinal cord contusion injury in rats is improved by spontaneous exercise. <i>Journal of Neurotrauma</i> , 2003 , 20, 1029-37	5.4	81
28	A spatio-temporal analysis of motoneuron survival, axonal regeneration and neurotrophic factor expression after lumbar ventral root avulsion and implantation. <i>Experimental Neurology</i> , 2010 , 223, 207-20	5.7	80
27	Neuroregenerative effects of lentiviral vector-mediated GDNF expression in reimplanted ventral roots. <i>Molecular and Cellular Neurosciences</i> , 2008 , 39, 105-17	4.8	70
26	Cellular toxicity following application of adeno-associated viral vector-mediated RNA interference in the nervous system. <i>BMC Neuroscience</i> , 2010 , 11, 20	3.2	66
25	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	3.7	61
24	Profound differences in spontaneous long-term functional recovery after defined spinal tract lesions in the rat. <i>Journal of Neurotrauma</i> , 2006 , 23, 18-35	5.4	60
23	Adeno-associated viral vectors as agents for gene delivery: application in disorders and trauma of the central nervous system. <i>Methods</i> , 2002 , 28, 182-94	4.6	54
22	Schwann cells transduced with a lentiviral vector encoding Fgf-2 promote motor neuron regeneration following sciatic nerve injury. <i>Glia</i> , 2014 , 62, 1736-46	9	39
21	Developing a potentially immunologically inert tetracycline-regulatable viral vector for gene therapy in the peripheral nerve. <i>Gene Therapy</i> , 2014 , 21, 549-57	4	33
20	Lentiviral vector-mediated reporter gene expression in avulsed spinal ventral root is short-term, but is prolonged using an immune "stealth" transgene. <i>Restorative Neurology and Neuroscience</i> , 2007 , 25, 585-99	2.8	31
19	Gene transfer to the spinal cord neural scar with lentiviral vectors: predominant transgene expression in astrocytes but not in meningeal cells. <i>Journal of Neuroscience Research</i> , 2007 , 85, 3041-52	4.4	30

18	Modeling early Parkinsons disease pathology with chronic low dose MPTP treatment. <i>Restorative Neurology and Neuroscience</i> , 2013 , 31, 155-67	2.8	24
17	Evaluation of Five Tests for Sensitivity to Functional Deficits following Cervical or Thoracic Dorsal Column Transection in the Rat. <i>PLoS ONE</i> , 2016 , 11, e0150141	3.7	24
16	A multilevel screening strategy defines a molecular fingerprint of proregenerative olfactory ensheathing cells and identifies SCARB2, a protein that improves regenerative sprouting of injured sensory spinal axons. <i>Journal of Neuroscience</i> , 2013 , 33, 11116-35	6.6	22
15	A compact dual promoter adeno-associated viral vector for efficient delivery of two genes to dorsal root ganglion neurons. <i>Gene Therapy</i> , 2014 , 21, 242-52	4	20
14	Repulsive Guidance Molecule a (RGMa) Induces Neuropathological and Behavioral Changes That Closely Resemble Parkinsons Disease. <i>Journal of Neuroscience</i> , 2017 , 37, 9361-9379	6.6	19
13	Timed GDNF gene therapy using an immune-evasive gene switch promotes long distance axon regeneration. <i>Brain</i> , 2019 , 142, 295-311	11.2	19
12	From microsurgery to nanosurgery: how viral vectors may help repair the peripheral nerve. <i>Progress in Brain Research</i> , 2009 , 175, 173-86	2.9	16
11	LLM3D: a log-linear modeling-based method to predict functional gene regulatory interactions from genome-wide expression data. <i>Nucleic Acids Research</i> , 2011 , 39, 5313-27	20.1	16
10	Long-term adeno-associated viral vector-mediated expression of truncated TrkB in the adult rat facial nucleus results in motor neuron degeneration. <i>Journal of Neuroscience</i> , 2006 , 26, 1516-30	6.6	16
9	Clinical and neurobiological advances in promoting regeneration of the ventral root avulsion lesion. <i>European Journal of Neuroscience</i> , 2016 , 43, 318-35	3.5	16
8	Gene therapy approaches to enhance regeneration of the injured peripheral nerve. <i>European Journal of Pharmacology</i> , 2013 , 719, 145-152	5.3	14
7	Noninvasive bioluminescence imaging of olfactory ensheathing glia and schwann cells following transplantation into the lesioned rat spinal cord. <i>Cell Transplantation</i> , 2012 , 21, 1853-65	4	9
6	Small Scale Production of Recombinant Adeno-Associated Viral Vectors for Gene Delivery to the Nervous System. <i>Methods in Molecular Biology</i> , 2018 , 1715, 3-17	1.4	8
5	GDNF Gene Therapy to Repair the Injured Peripheral Nerve. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 583184	5.8	6
4	Enhanced regeneration and reinnervation following timed GDNF gene therapy in a cervical ventral root avulsion. <i>Experimental Neurology</i> , 2019 , 321, 113037	5.7	4
3	Genetic Deletion of the Transcriptional Repressor NFIL3 Enhances Axon Growth In Vitro but Not Axonal Repair In Vivo. <i>PLoS ONE</i> , 2015 , 10, e0127163	3.7	1
2	Gene Delivery to Neurons of the Dorsal Root Ganglia Using Adeno-Associated Viral Vectors. <i>Neuromethods</i> , 2015 , 175-189	0.4	1
1	Combining timed GDNF and ChABC gene therapy to promote long-distance regeneration following ventral root avulsion and repair. <i>FASEB Journal</i> , 2020 , 34, 10605-10622	0.9	1

