Thomas Becker

List of Publications by Year
in descending order

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25 papers	2,136 citations	430442 18 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	2008 citing authors

#	Article	IF	Citations
1	Regenerative neurogenesis: the integration of developmental, physiological and immune signals. Development (Cambridge), 2022, 149, .	1.2	9
2	Automated in vivo drug screen in zebrafish identifies synapse-stabilising drugs with relevance to spinal muscular atrophy. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	12
3	CRISPR gRNA phenotypic screening in zebrafish reveals pro-regenerative genes in spinal cord injury. PLoS Genetics, 2021, 17, e1009515.	1.5	36
4	A unique macrophage subpopulation signals directly to progenitor cells to promote regenerative neurogenesis in the zebrafish spinal cord. Developmental Cell, 2021, 56, 1617-1630.e6.	3.1	44
5	Controlled Semi-Automated Lased-Induced Injuries for Studying Spinal Cord Regeneration in Zebrafish Larvae. Journal of Visualized Experiments, 2021, , .	0.2	1
6	Dynamic cell interactions allow spinal cord regeneration in zebrafish. Current Opinion in Physiology, 2020, 14, 64-69.	0.9	9
7	Regeneration of Dopaminergic Neurons in Adult Zebrafish Depends on Immune System Activation and Differs for Distinct Populations. Journal of Neuroscience, 2019, 39, 4694-4713.	1.7	26
8	Interaction of Axonal Chondrolectin with Collagen XIXa1 Is Necessary for Precise Neuromuscular Junction Formation. Cell Reports, 2019, 29, 1082-1098.e10.	2.9	13
9	The spinal ependymal zone as a source of endogenous repair cells across vertebrates. Progress in Neurobiology, 2018, 170, 67-80.	2.8	63
10	Dynamic control of proinflammatory cytokines Il-1Î² and Tnf-Î± by macrophages in zebrafish spinal cord regeneration. Nature Communications, 2018, 9, 4670.	5.8	210
11	Wnt signaling controls pro-regenerative Collagen XII in functional spinal cord regeneration in zebrafish. Nature Communications, 2017, 8, 126.	5.8	146
12	Bioenergetic status modulates motor neuron vulnerability and pathogenesis in a zebrafish model of spinal muscular atrophy. PLoS Genetics, 2017, 13, e1006744.	1.5	69
13	Spinal motor neurons are regenerated after mechanical lesion and genetic ablation in larval zebrafish. Development (Cambridge), 2016, 143, 1464-74.	1.2	88
14	Serotonin Promotes Development and Regeneration of Spinal Motor Neurons in Zebrafish. Cell Reports, 2015, 13, 924-932.	2.9	64
15	Neuronal Regeneration from Ependymo-Radial Glial Cells: Cook, Little Pot, Cook!. Developmental Cell, 2015, 32, 516-527.	3.1	92
16	Chondrolectin affects cell survival and neuronal outgrowth in in vitro and in vivo models of spinal muscular atrophy. Human Molecular Genetics, 2014, 23, 855-869.	1.4	62
17	Dysregulation of ubiquitin homeostasis and Î²-catenin signaling promote spinal muscular atrophy. Journal of Clinical Investigation, 2014, 124, 1821-1834.	3.9	151
18	Dopamine from the Brain Promotes Spinal Motor Neuron Generation during Development and Adult Regeneration. Developmental Cell, 2013, 25, 478-491.	3.1	110

#	Article	IF	Citations
19	ChondrolectinMediates Growth Cone Interactions of Motor Axons with an Intermediate Target. Journal of Neuroscience, 2012, 32, 4426-4439.	1.7	23
20	Notch Signaling Controls Generation of Motor Neurons in the Lesioned Spinal Cord of Adult Zebrafish. Journal of Neuroscience, 2012, 32, 3245-3252.	1.7	85
21	Lesionâ€induced generation of interneuron cell types in specific dorsoventral domains in the spinal cord of adult zebrafish. Journal of Comparative Neurology, 2012, 520, 3604-3616.	0.9	56
22	Sonic Hedgehog Is a Polarized Signal for Motor Neuron Regeneration in Adult Zebrafish. Journal of Neuroscience, 2009, 29, 15073-15082.	1.7	118
23	Motor Neuron Regeneration in Adult Zebrafish. Journal of Neuroscience, 2008, 28, 8510-8516.	1.7	239
24	Tenascin-C is involved in motor axon outgrowth in the trunk of developing zebrafish. Developmental Dynamics, 2005, 234, 550-566.	0.8	51
25	Axonal regrowth after spinal cord transection in adult zebrafish. , 1997, 377, 577-595.		359