

Christine E Beattie

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

4,378
citations

109321

35
h-index

182427

51
g-index

51
all docs

51
docs citations

51
times ranked

4437
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinal muscular atrophy: Selective motor neuron loss and global defect in the assembly of ribonucleoproteins. <i>Brain Research</i> , 2018, 1693, 92-97.	2.2	17
2	PRMT5 as a druggable target for glioblastoma therapy. <i>Neuro-Oncology</i> , 2018, 20, 753-763.	1.2	75
3	Cellular responses to recurrent pentylentetrazole-induced seizures in the adult zebrafish brain. <i>Neuroscience</i> , 2017, 349, 118-127.	2.3	21
4	Changes in tumor cell heterogeneity after chemotherapy treatment in a xenograft model of glioblastoma. <i>Neuroscience</i> , 2017, 356, 35-43.	2.3	27
5	HuD and the Survival Motor Neuron Protein Interact in Motoneurons and Are Essential for Motoneuron Development, Function, and mRNA Regulation. <i>Journal of Neuroscience</i> , 2017, 37, 11559-11571.	3.6	40
6	Efficacy of Onalespib, a Long-Acting Second-Generation HSP90 Inhibitor, as a Single Agent and in Combination with Temozolomide against Malignant Gliomas. <i>Clinical Cancer Research</i> , 2017, 23, 6215-6226.	7.0	53
7	Angiostatic actions of capsicodendrin through selective inhibition of VEGFR2-mediated AKT signaling and dysregulated autophagy. <i>Oncotarget</i> , 2017, 8, 12675-12685.	1.8	18
8	Oligodendrocytes contribute to motor neuron death in ALS via SOD1-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6496-E6505.	7.1	139
9	Standardized orthotopic xenografts in zebrafish reveal glioma cell line specific characteristics and tumor cell heterogeneity. <i>DMM Disease Models and Mechanisms</i> , 2015, 9, 199-210.	2.4	42
10	In vivo assessment of contractile strength distinguishes differential gene function in skeletal muscle of zebrafish larvae. <i>Journal of Applied Physiology</i> , 2015, 119, 799-806.	2.5	11
11	Motoneuron development influences dorsal root ganglia survival and Schwann cell development in a vertebrate model of spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2015, 24, 346-360.	2.9	25
12	Î±-COP binding to the survival motor neuron protein SMN is required for neuronal process outgrowth. <i>Human Molecular Genetics</i> , 2015, 24, 7295-7307.	2.9	30
13	Plastin 3 Expression Does Not Modify Spinal Muscular Atrophy Severity in the α^7 SMA Mouse. <i>PLoS ONE</i> , 2015, 10, e0132364.	2.5	41
14	Protocadherin-18b interacts with Nap1 to control motor axon growth and arborization in zebrafish. <i>Molecular Biology of the Cell</i> , 2014, 25, 633-642.	2.1	42
15	Calcium binding is essential for plastin 3 function in Smn-deficient motoneurons. <i>Human Molecular Genetics</i> , 2014, 23, 1990-2004.	2.9	46
16	Closed loop neural stimulation for pentylentetrazole seizures in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 64-71.	2.4	8
17	Temporal requirement for SMN in motoneuron development. <i>Human Molecular Genetics</i> , 2013, 22, 2612-2625.	2.9	50
18	Early interneuron dysfunction in ALS: Insights from a mutant <i>sod1</i> zebrafish model. <i>Annals of Neurology</i> , 2013, 73, 246-258.	5.3	82

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19	Small Molecule Suppressors of Drosophila Kinesin Deficiency Rescue Motor Axon Development in a Zebrafish Model of Spinal Muscular Atrophy. PLoS ONE, 2013, 8, e74325.	2.5	8
20	Survival Motor Neuron Affects Plastin 3 Protein Levels Leading to Motor Defects. Journal of Neuroscience, 2012, 32, 5074-5084.	3.6	65
21	An SMN-Dependent U12 Splicing Event Essential for Motor Circuit Function. Cell, 2012, 151, 440-454.	28.9	279
22	Generation and Characterization of a genetic zebrafish model of SMA carrying the human SMN2 gene. Molecular Neurodegeneration, 2011, 6, 24.	10.8	41
23	Recording the adult zebrafish cerebral field potential during pentylentetrazole seizures. Journal of Neuroscience Methods, 2011, 200, 20-28.	2.5	54
24	Zebrafish <i>mxn1</i> controls cell fate choice in the developing endocrine pancreas. Development (Cambridge), 2011, 138, 4597-4608.	2.5	67
25	Interaction of survival of motor neuron (SMN) and HuD proteins with mRNA <i>cpg15</i> rescues motor neuron axonal deficits. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10337-10342.	7.1	185
26	A genetic model of amyotrophic lateral sclerosis in zebrafish displays phenotypic hallmarks of motoneuron disease. DMM Disease Models and Mechanisms, 2010, 3, 652-662.	2.4	130
27	Collagen XIXa1 is crucial for motor axon navigation at intermediate targets. Development (Cambridge), 2010, 137, 4261-4269.	2.5	25
28	Zebrafish survival motor neuron mutants exhibit presynaptic neuromuscular junction defects. Human Molecular Genetics, 2009, 18, 3615-3625.	2.9	93
29	A SMN missense mutation complements SMN2 restoring snRNPs and rescuing SMA mice. Human Molecular Genetics, 2009, 18, 2215-2229.	2.9	97
30	Cloning and spatiotemporal expression of zebrafish neuronal nicotinic acetylcholine receptor alpha 6 and alpha 4 subunit RNAs. Developmental Dynamics, 2009, 238, 980-992.	1.8	36
31	Spinal muscular atrophy: why do low levels of survival motor neuron protein make motor neurons sick?. Nature Reviews Neuroscience, 2009, 10, 597-609.	10.2	632
32	Semaphorin 5A is a bifunctional axon guidance cue for axial motoneurons in vivo. Developmental Biology, 2009, 326, 190-200.	2.0	56
33	The SMN binding protein <i>gemin2</i> is not involved in motor axon outgrowth. Developmental Neurobiology, 2008, 68, 182-194.	3.0	37
34	Plastin 3 Is a Protective Modifier of Autosomal Recessive Spinal Muscular Atrophy. Science, 2008, 320, 524-527.	12.6	434
35	Embryonic motor axon development in the severe SMA mouse. Human Molecular Genetics, 2008, 17, 2900-2909.	2.9	136
36	Fishing for a Mechanism: Using Zebrafish to Understand Spinal Muscular Atrophy. Journal of Child Neurology, 2007, 22, 995-1003.	1.4	35

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37	Survival Motor Neuron Function in Motor Axons Is Independent of Functions Required for Small Nuclear Ribonucleoprotein Biogenesis. <i>Journal of Neuroscience</i> , 2006, 26, 11014-11022.	3.6	156
38	Robo3 isoforms have distinct roles during zebrafish development. <i>Mechanisms of Development</i> , 2005, 122, 1073-1086.	1.7	23
39	Zebrafish topped is required for ventral motor axon guidance. <i>Developmental Biology</i> , 2004, 273, 308-320.	2.0	31
40	Cloning and expression of zebrafish neuronal nicotinic acetylcholine receptors. <i>Gene Expression Patterns</i> , 2003, 3, 747-754.	0.8	55
41	Knockdown of the survival motor neuron (Smn) protein in zebrafish causes defects in motor axon outgrowth and pathfinding. <i>Journal of Cell Biology</i> , 2003, 162, 919-932.	5.2	387
42	Mutations in <i>deadly seven/notch1a</i> reveal developmental plasticity in the escape response circuit. <i>Journal of Neuroscience</i> , 2003, 23, 8159-8166.	3.6	53
43	Cellular, Genetic and Molecular Mechanisms of Axonal Guidance in the Zebrafish. <i>Results and Problems in Cell Differentiation</i> , 2002, 40, 252-269.	0.7	18
44	Zebrafish <i>deadly seven</i> functions in neurogenesis. <i>Developmental Biology</i> , 2001, 237, 306-323.	2.0	80
45	Identification and characterization of roundabout orthologs in zebrafish. <i>Mechanisms of Development</i> , 2001, 101, 249-253.	1.7	55
46	Control of motor axon guidance in the zebrafish embryo. <i>Brain Research Bulletin</i> , 2000, 53, 489-500.	3.0	74
47	Attraction versus Repulsion. <i>Cell</i> , 1999, 97, 821-824.	28.9	30
48	Chapter 4 Early Pressure Screens. <i>Methods in Cell Biology</i> , 1998, , 71-86.	1.1	41
49	Temporal Separation in the Specification of Primary and Secondary Motoneurons in Zebrafish. <i>Developmental Biology</i> , 1997, 187, 171-182.	2.0	82
50	Screen for mutations affecting development of zebrafish neural crest. <i>Genesis</i> , 1996, 18, 11-17.	2.1	114
51	Screen for mutations affecting development of zebrafish neural crest. <i>Genesis</i> , 1996, 18, 11-17.	2.1	2