Esther Becker

List of Publications by Year
in descending order

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46 papers	4,210 citations	186265 28 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	6635 citing authors

#	Article	IF	Citations
1	Moonwalker Mouse. , 2022, , 1773-1788.		0
2	Cerebellar Modelling Using Human Induced Pluripotent Stem Cells. Neuromethods, 2022, , 1-21.	0.3	2
3	High-resolution transcriptional landscape of xeno-free human induced pluripotent stem cell-derived cerebellar organoids. Scientific Reports, 2021, 11, 12959.	3.3	32
4	Caspr2 interacts with type 1 inositol 1,4,5-trisphosphate receptor in the developing cerebellum and regulates Purkinje cell morphology. Journal of Biological Chemistry, 2020, 295, 12716-12726.	3.4	3
5	Deconstructing cerebellar development cell by cell. PLoS Genetics, 2020, 16, e1008630.	3.5	32
6	Moonwalker Mouse. , 2020, , 1-16.		1
7	A gene expression signature in developing Purkinje cells predicts autism and intellectual disability co-morbidity status. Scientific Reports, 2019, 9, 485.	3.3	14
8	TRPC3 is a major contributor to functional heterogeneity of cerebellar Purkinje cells. ELife, 2019, 8, .	6.0	45
9	Genotypeâ€phenotype correlations, dystonia and disease progression in spinocerebellar ataxia type 14. Movement Disorders, 2018, 33, 1119-1129.	3.9	26
10	A Simplified Method for Generating Purkinje Cells from Human-Induced Pluripotent Stem Cells. Cerebellum, 2018, 17, 419-427.	2.5	48
11	Neurodegeneration in SCA14 is associated with increased PKCÎ³ kinase activity, mislocalization and aggregation. Acta Neuropathologica Communications, 2018, 6, 99.	5.2	37
12	The Use of Stem Cell-Derived Neurons for Understanding Development and Disease of the Cerebellum. Frontiers in Neuroscience, 2018, 12, 646.	2.8	5
13	Cerebellar involvement in autism and ADHD. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 155, 61-72.	1.8	56
14	From Mice to Men: TRPC3 in Cerebellar Ataxia. Cerebellum, 2017, 16, 877-879.	2.5	10
15	Functional expression of calciumâ€permeable canonical transient receptor potential 4â€containing channels promotes migration of medulloblastoma cells. Journal of Physiology, 2017, 595, 5525-5544.	2.9	30
16	Dominant Mutations in GRM1 Cause Spinocerebellar Ataxia Type 44. American Journal of Human Genetics, 2017, 101, 451-458.	6.2	62
17	Recent advances in modelling of cerebellar ataxia using induced pluripotent stem cells. Journal of Neurology and Neuromedicine, 2017, 2, 11-15.	0.9	11
18	A Transient Translaminar GABAergic Interneuron Circuit Connects Thalamocortical Recipient Layers in Neonatal Somatosensory Cortex. Neuron, 2016, 89, 536-549.	8.1	124

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19	Consensus Paper: Cerebellar Development. Cerebellum, 2016, 15, 789-828.	2.5	337
20	Do mutations in the murine ataxia gene TRPC3 cause cerebellar ataxia in humans?. Movement Disorders, 2015, 30, 284-286.	3.9	78
21	The mutant Moonwalker TRPC3 channel links calcium signaling to lipid metabolism in the developing cerebellum. Human Molecular Genetics, 2015, 24, 4114-4125.	2.9	24
22	Modeling Suggests TRPC3 Hydrogen Bonding and Not Phosphorylation Contributes to the Ataxia Phenotype of the Moonwalker Mouse. Biochemistry, 2015, 54, 4033-4041.	2.5	10
23	Induced pluripotent stem cell technology for modelling and therapy of cerebellar ataxia. Open Biology, 2015, 5, 150056.	3.6	38
24	Reciprocal regulation of two G protein-coupled receptors sensing extracellular concentrations of Ca ²⁺ and H ⁺. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10738-10743.	7.1	27
25	The Moonwalker Mouse: New Insights into TRPC3 Function, Cerebellar Development, and Ataxia. Cerebellum, 2014, 13, 628-636.	2.5	41
26	Next generation sequencing for molecular diagnosis of neurological disorders using ataxias as a model. Brain, 2013, 136, 3106-3118.	7.6	146
27	Early Onset of Ataxia in Moonwalker Mice Is Accompanied by Complete Ablation of Type II Unipolar Brush Cells and Purkinje Cell Dysfunction. Journal of Neuroscience, 2013, 33, 19689-19694.	3.6	41
28	Autism Spectrum Disorder and the Cerebellum. International Review of Neurobiology, 2013, 113, 1-34.	2.0	197
29	Contactin-associated protein-2 antibodies in non-paraneoplastic cerebellar ataxia. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 437-440.	1.9	105
30	Candidate Screening of the TRPC3 Gene in Cerebellar Ataxia. Cerebellum, 2011, 10, 296-299.	2.5	27
31	Oxr1 Is Essential for Protection against Oxidative Stress-Induced Neurodegeneration. PLoS Genetics, 2011, 7, e1002338.	3.5	130
32	A JIP3-Regulated GSK3Î²/DCX Signaling Pathway Restricts Axon Branching. Journal of Neuroscience, 2010, 30, 16766-16776.	3.6	51
33	A point mutation in TRPC3 causes abnormal Purkinje cell development and cerebellar ataxia in moonwalker mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6706-6711.	7.1	187
34	Activation of FOXO1 by Cdk1 in Cycling Cells and Postmitotic Neurons. Science, 2008, 319, 1665-1668.	12.6	167
35	Pin1 in Neuronal Apoptosis. Cell Cycle, 2007, 6, 1332-1335.	2.6	23
36	A Conserved MST-FOXO Signaling Pathway Mediates Oxidative-Stress Responses and Extends Life Span. Cell, 2006, 125, 987-1001.	28.9	758

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37	Pin1 Mediates Neural-Specific Activation of the Mitochondrial Apoptotic Machinery. Neuron, 2006, 49, 655-662.	8.1	73
38	p38 MAP Kinase Mediates Apoptosis through Phosphorylation of BimEL at Ser-65. Journal of Biological Chemistry, 2006, 281, 25215-25222.	3.4	195
39	Bim Regulation of Lumen Formation in Cultured Mammary Epithelial Acini Is Targeted by Oncogenes. Molecular and Cellular Biology, 2005, 25, 4591-4601.	2.3	130
40	Beyond proliferationâ€"cell cycle control of neuronal survival and differentiation in the developing mammalian brain. Seminars in Cell and Developmental Biology, 2005, 16, 439-448.	5.0	33
41	Characterization of the c-Jun N-Terminal Kinase-BimEL Signaling Pathway in Neuronal Apoptosis. Journal of Neuroscience, 2004, 24, 8762-8770.	3.6	108
42	Cell cycle regulation of neuronal apoptosis in development and disease. Progress in Neurobiology, 2004, 72, 1-25.	5.7	274
43	Apoptosis Induced by p75NTR Overexpression Requires Jun Kinase-Dependent Phosphorylation of Bad. Journal of Neuroscience, 2003, 23, 11373-11381.	3.6	156
44	JNK Phosphorylation and Activation of BAD Couples the Stress-activated Signaling Pathway to the Cell Death Machinery. Journal of Biological Chemistry, 2002, 277, 40944-40949.	3.4	212
45	Specific role for cathepsin S in the generation of antigenic peptidesin vivo. European Journal of Immunology, 2002, 32, 467-476.	2.9	98
46	Carbon source-dependent transcriptional regulation of the QCR8 gene in Kluyveromyces lactis .. Current Genetics, 2001, 39, 311-318.	1.7	6