

Barrington G Burnett

List of Publications by Year in descending order

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39
papers

3,571
citations

270111

25
h-index

340414

39
g-index

40
all docs

40
docs citations

40
times ranked

5440
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling the genomic revolution in Africa. <i>Science</i> , 2014, 344, 1346-1348.	6.0	361
2	Impaired Synaptic Vesicle Release and Immaturity of Neuromuscular Junctions in Spinal Muscular Atrophy Mice. <i>Journal of Neuroscience</i> , 2009, 29, 842-851.	1.7	344
3	The polyglutamine neurodegenerative protein ataxin-3 binds polyubiquitylated proteins and has ubiquitin protease activity. <i>Human Molecular Genetics</i> , 2003, 12, 3195-3205.	1.4	341
4	Trichostatin A increases SMN expression and survival in a mouse model of spinal muscular atrophy. <i>Journal of Clinical Investigation</i> , 2007, 117, 659-671.	3.9	308
5	Mutations in TRPV4 cause Charcot-Marie-Tooth disease type 2C. <i>Nature Genetics</i> , 2010, 42, 170-174.	9.4	278
6	MicroRNA Pathways Modulate Polyglutamine-Induced Neurodegeneration. <i>Molecular Cell</i> , 2006, 24, 157-163.	4.5	240
7	Regulation of SMN Protein Stability. <i>Molecular and Cellular Biology</i> , 2009, 29, 1107-1115.	1.1	234
8	Mitochondrial abnormalities in spinal and bulbar muscular atrophy. <i>Human Molecular Genetics</i> , 2009, 18, 27-42.	1.4	171
9	The polyglutamine neurodegenerative protein ataxin 3 regulates aggresome formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4330-4335.	3.3	164
10	Akt blocks ligand binding and protects against expanded polyglutamine androgen receptor toxicity. <i>Human Molecular Genetics</i> , 2007, 16, 1593-1603.	1.4	137
11	Cowchock Syndrome Is Associated with a Mutation in Apoptosis-Inducing Factor. <i>American Journal of Human Genetics</i> , 2012, 91, 1095-1102.	2.6	134
12	Sustained improvement of spinal muscular atrophy mice treated with trichostatin a plus nutrition. <i>Annals of Neurology</i> , 2008, 64, 465-470.	2.8	133
13	Hereditary Spastic Paraplegia Type 43 (SPG43) is Caused by Mutation in <i>C19orf12</i> . <i>Human Mutation</i> , 2013, 34, 1357-1360.	1.1	79
14	Survival motor neuron protein deficiency impairs myotube formation by altering myogenic gene expression and focal adhesion dynamics. <i>Human Molecular Genetics</i> , 2014, 23, 4745-4757.	1.4	66
15	Increasing expression and decreasing degradation of SMN ameliorate the spinal muscular atrophy phenotype in mice. <i>Human Molecular Genetics</i> , 2011, 20, 3667-3677.	1.4	64
16	Histone deacetylase inhibition suppresses myogenin-dependent atrogene activation in spinal muscular atrophy mice. <i>Human Molecular Genetics</i> , 2012, 21, 4448-4459.	1.4	56
17	Non-targeted Identification of Prions and Amyloid-forming Proteins from Yeast and Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 27100-27111.	1.6	55
18	The E3 ubiquitin ligase mind bomb 1 ubiquitinates and promotes the degradation of survival of motor neuron protein. <i>Molecular Biology of the Cell</i> , 2013, 24, 1863-1871.	0.9	50

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19	The role of the immunoproteasome in interferon- γ -mediated microglial activation. <i>Scientific Reports</i> , 2017, 7, 9365.	1.6	39
20	Expression of expanded polyglutamine targets profilin for degradation and alters actin dynamics. <i>Neurobiology of Disease</i> , 2008, 30, 365-374.	2.1	37
21	CNS uptake of bortezomib is enhanced by P-glycoprotein inhibition: implications for spinal muscular atrophy. <i>Neurobiology of Disease</i> , 2016, 88, 118-124.	2.1	35
22	Exome sequencing identifies a novel TRPV4 mutation in a CMT2C family. <i>Neurology</i> , 2012, 79, 192-194.	1.5	34
23	Genetics of low spinal muscular atrophy carrier frequency in sub-Saharan Africa. <i>Annals of Neurology</i> , 2014, 75, 525-532.	2.8	31
24	MiR-298 Counteracts Mutant Androgen Receptor Toxicity in Spinal and Bulbar Muscular Atrophy. <i>Molecular Therapy</i> , 2016, 24, 937-945.	3.7	29
25	Emerging treatment options for spinal muscular atrophy. <i>Current Treatment Options in Neurology</i> , 2009, 11, 90-101.	0.7	28
26	A candidate gene for autoimmune myasthenia gravis. <i>Neurology</i> , 2012, 79, 342-347.	1.5	21
27	Viral mediated knockdown of <i>GATA6</i> in <i>SMA</i> iPSC-derived astrocytes prevents motor neuron loss and microglial activation. <i>Glia</i> , 2022, 70, 989-1004.	2.5	17
28	ML372 blocks SMN ubiquitination and improves spinal muscular atrophy pathology in mice. <i>JCI Insight</i> , 2016, 1, e88427.	2.3	16
29	Discovery of a Small Molecule Probe That Post-Translationally Stabilizes the Survival Motor Neuron Protein for the Treatment of Spinal Muscular Atrophy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4594-4610.	2.9	13
30	Survival motor neuron deficiency slows myoblast fusion through reduced myomaker and myomixer expression. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1098-1116.	2.9	11
31	SMN-deficiency disrupts SERCA2 expression and intracellular Ca ²⁺ signaling in cardiomyocytes from SMA mice and patient-derived iPSCs. <i>Skeletal Muscle</i> , 2020, 10, 16.	1.9	9
32	Genetics and genomic medicine in Mali: challenges and future perspectives. <i>Molecular Genetics & Genomic Medicine</i> , 2016, 4, 126-134.	0.6	8
33	Survival motor neuron protein deficiency alters microglia reactivity. <i>Glia</i> , 2022, , .	2.5	7
34	A high-throughput genome-wide RNAi screen identifies modifiers of survival motor neuron protein. <i>Cell Reports</i> , 2021, 35, 109125.	2.9	6
35	Targeting splicing in spinal muscular atrophy. <i>Annals of Neurology</i> , 2008, 63, 3-6.	2.8	5
36	Neurogenic and Myogenic Contributions to Hereditary Motor Neuron Disease. <i>Neurodegenerative Diseases</i> , 2012, 9, 199-209.	0.8	5

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37	Does the survival motor neuron copy number variation play a role in the onset and severity of sporadic amyotrophic lateral sclerosis in Malians?. ENeurologicalSci, 2016, 3, 17-20.	0.5	2
38	A combinatorial approach increases SMN level in SMA model mice. Human Molecular Genetics, 2022, 31, 2989-3000.	1.4	2
39	Socio-cultural adaptation and standardization of Dubois' five words testing in a population of normal subject in Mali, West Africa. ENeurologicalSci, 2016, 3, 60-63.	0.5	1