

Marcel V Alavi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,854
citations

516710

16
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

4013
citing authors

#	ARTICLE	IF	CITATIONS
1	Allosteric Inhibition of the IRE1 \pm RNase Preserves Cell Viability and Function during Endoplasmic Reticulum Stress. <i>Cell</i> , 2014, 158, 534-548.	28.9	384
2	A splice site mutation in the murine Opa1 gene features pathology of autosomal dominant optic atrophy. <i>Brain</i> , 2006, 130, 1029-1042.	7.6	232
3	A new vicious cycle involving glutamate excitotoxicity, oxidative stress and mitochondrial dynamics. <i>Cell Death and Disease</i> , 2011, 2, e240-e240.	6.3	175
4	Down-regulation of OPA1 alters mouse mitochondrial morphology, PTP function, and cardiac adaptation to pressure overload. <i>Cardiovascular Research</i> , 2012, 94, 408-417.	3.8	162
5	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	147
6	Dominant optic atrophy, OPA1, and mitochondrial quality control: understanding mitochondrial network dynamics. <i>Molecular Neurodegeneration</i> , 2013, 8, 32.	10.8	101
7	Excessive HDAC activation is critical for neurodegeneration in the rd1 mouse. <i>Cell Death and Disease</i> , 2010, 1, e24-e24.	6.3	100
8	The Protein Translocon of the Plastid Envelopes. <i>Journal of Biological Chemistry</i> , 2004, 279, 21401-21405.	3.4	70
9	Type IV Collagens and Basement Membrane Diseases. <i>Current Topics in Membranes</i> , 2015, 76, 61-116.	0.9	69
10	Electrophysiological and Histologic Assessment of Retinal Ganglion Cell Fate in a Mouse Model for <i>OPA1</i> -Associated Autosomal Dominant Optic Atrophy. , 2010, 51, 1424.		62
11	Genomic rearrangements in OPA1 are frequent in patients with autosomal dominant optic atrophy. <i>Journal of Medical Genetics</i> , 2008, 46, 136-144.	3.2	48
12	Subtle neurological and metabolic abnormalities in an Opa1 mouse model of autosomal dominant optic atrophy. <i>Experimental Neurology</i> , 2009, 220, 404-409.	4.1	44
13	Col4a1 mutations cause progressive retinal neovascular defects and retinopathy. <i>Scientific Reports</i> , 2016, 6, 18602.	3.3	38
14	Altered skeletal muscle mitochondrial biogenesis but improved endurance capacity in trained OPA1-deficient mice. <i>Journal of Physiology</i> , 2013, 591, 6017-6037.	2.9	37
15	A clinically complex form of dominant optic atrophy (OPA8) maps on chromosome 16. <i>Human Molecular Genetics</i> , 2011, 20, 1893-1905.	2.9	36
16	Targeted OMA1 therapies for cancer. <i>International Journal of Cancer</i> , 2019, 145, 2330-2341.	5.1	26
17	In Vivo Visualization of Endoplasmic Reticulum Stress in the Retina Using the ERAI Reporter Mouse. , 2015, 56, 6961.		20
18	Strain-Dependent Anterior Segment Dysgenesis and Progression to Glaucoma in <i>Col4a1</i> Mutant Mice. , 2015, 56, 6823.		17

#	ARTICLE	IF	CITATIONS
19	Aging and Vision. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 393-399.	1.6	17
20	Identification of genes that are linked with optineurin expression using a combined RNAi-microarray approach. <i>Experimental Eye Research</i> , 2007, 85, 450-461.	2.6	16
21	Solving a 50 year mystery of a missing OPA1 mutation: more insights from the first family diagnosed with autosomal dominant optic atrophy. <i>Molecular Neurodegeneration</i> , 2010, 5, 25.	10.8	15
22	OMA1-An integral membrane protease?. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140558.	2.3	11
23	Long-term photoreceptor rescue in two rodent models of retinitis pigmentosa by adeno-associated virus delivery of Stanniocalcin-1. <i>Experimental Eye Research</i> , 2017, 165, 175-181.	2.6	9
24	Analysis of expression patterns of translocon subunits of chloroplasts and mitochondria. <i>Plant Science</i> , 2005, 168, 1533-1539.	3.6	7
25	OMA1 High-Throughput Screen Reveals Protease Activation by Kinase Inhibitors. <i>ACS Chemical Biology</i> , 2021, 16, 2202-2211.	3.4	4
26	Recent advances in, and challenges of, designing OMA1 drug screens. <i>Pharmacological Research</i> , 2022, 176, 106063.	7.1	4
27	Tau phosphorylation and OPA1 proteolysis are unrelated events: Implications for Alzheimer's Disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119116.	4.1	3