Alecia K Gross

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8070570/publications.pdf

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23	791	687363 13	713466 21
papers	citations	h-index	g-index

23	23	23	1098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolutionary Trace of G Protein-coupled Receptors Reveals Clusters of Residues That Determine Global and Class-specific Functions. Journal of Biological Chemistry, 2004, 279, 8126-8132.	3.4	179
2	An Opsin Mutant with Increased Thermal Stabilityâ€. Biochemistry, 2003, 42, 1995-2001.	2.5	83
3	Defective Trafficking of Rhodopsin and Its Role in Retinal Degenerations. International Review of Cell and Molecular Biology, 2012, 293, 1-44.	3.2	62
4	Characterization of Rhodopsin Congenital Night Blindness Mutant T94Iâ€. Biochemistry, 2003, 42, 2009-2015.	2.5	60
5	Identification and Functional Characterization of a Novel Rhodopsin Mutation Associated with Autosomal Dominant CSNB. , 2008, 49, 4105.		52
6	An activated unfolded protein response promotes retinal degeneration and triggers an inflammatory response in the mouse retina. Cell Death and Disease, 2014, 5, e1578-e1578.	6.3	48
7	The Severe Autosomal Dominant Retinitis Pigmentosa Rhodopsin Mutant Ter349Glu Mislocalizes and Induces Rapid Rod Cell Death. Journal of Biological Chemistry, 2013, 288, 29047-29055.	3.4	39
8	Mutations of the Opsin Gene (Y102H and I307N) Lead to Light-induced Degeneration of Photoreceptors and Constitutive Activation of Phototransduction in Mice. Journal of Biological Chemistry, 2010, 285, 14521-14533.	3.4	36
9	Slow Binding of Retinal to Rhodopsin Mutants G90D and T94Dâ€. Biochemistry, 2003, 42, 2002-2008.	2.5	35
10	Novel Hypomorphic Alleles of the Mouse Tyrosinase Gene Induced by CRISPR-Cas9 Nucleases Cause Non-Albino Pigmentation Phenotypes. PLoS ONE, 2016, 11, e0155812.	2.5	28
11	Aberrant protein trafficking in retinal degenerations: The initial phase of retinal remodeling. Experimental Eye Research, 2016, 150, 71-80.	2.6	26
12	The Age-Regulating Protein Klotho Is Vital to Sustain Retinal Function. , 2013, 54, 6675.		24
13	Mks6 mutations reveal tissueâ€•and cell typeâ€specific roles for the cilia transition zone. FASEB Journal, 2019, 33, 1440-1455.	0.5	19
14	Defective development of photoreceptor membranes in a mouse model of recessive retinal degeneration. Vision Research, 2006, 46, 4510-4518.	1.4	16
15	1 Rhodopsin Mutations in Congenital Night Blindness. Advances in Experimental Medicine and Biology, 2010, 664, 263-272.	1.6	16
16	Nucleotide Bound to rab11a Controls Localization in Rod Cells But Not Interaction with Rhodopsin. Journal of Neuroscience, 2014, 34, 14854-14863.	3.6	14
17	Rhodopsinâ€“EGFP knock-ins for imaging quantal gene alterations. Vision Research, 2005, 45, 3445-3453.	1.4	11
18	Innate and Autoimmunity in the Pathogenesis of Inherited Retinal Dystrophy. Cells, 2020, 9, 630.	4.1	11

#	Article	IF	Citations
19	Abrupt Onset of Mutations in a Developmentally Regulated Gene during Terminal Differentiation of Post-Mitotic Photoreceptor Neurons in Mice. PLoS ONE, 2014, 9, e108135.	2.5	11
20	Proinflammatory Pathways Are Activated in the Human Q344X Rhodopsin Knock-In Mouse Model of Retinitis Pigmentosa. Biomolecules, 2021, 11, 1163.	4.0	10
21	NudC regulates photoreceptor disk morphogenesis and rhodopsin localization. FASEB Journal, 2019, 33, 8799-8808.	0.5	6
22	Biochemical analysis of a rhodopsin photoactivatable GFP fusion as a model of G-protein coupled receptor transport. Vision Research, 2013, 93, 43-48.	1.4	4
23	In Vitro Biochemical Assays to Monitor Rhodopsin Function. Methods in Molecular Biology, 2012, 884, 167-181.	0.9	1