

Ekaterina S Lobanova

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

770
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteasome overload is a common stress factor in multiple forms of inherited retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9986-9991.	7.1	94
2	Transducin $\hat{1}^3$ -Subunit Sets Expression Levels of $\hat{1}^+$ - and $\hat{1}^2$ -Subunits and Is Crucial for Rod Viability. <i>Journal of Neuroscience</i> , 2008, 28, 3510-3520.	3.6	86
3	Transducin Translocation in Rods Is Triggered by Saturation of the GTPase-Activating Complex. <i>Journal of Neuroscience</i> , 2007, 27, 1151-1160.	3.6	80
4	Increased proteasomal activity supports photoreceptor survival in inherited retinal degeneration. <i>Nature Communications</i> , 2018, 9, 1738.	12.8	65
5	Mechanistic Basis for the Failure of Cone Transducin to Translocate: Why Cones Are Never Blinded by Light. <i>Journal of Neuroscience</i> , 2010, 30, 6815-6824.	3.6	54
6	Blood flow controls coagulation onset via the positive feedback of factor VII activation by factor Xa. <i>BMC Systems Biology</i> , 2010, 4, 5.	3.0	46
7	Minimal Determinants for Binding Activated $G\hat{1}^+$ from the Structure of a $G\hat{1}^+i\hat{1}^+$ Peptide Dimer. <i>Biochemistry</i> , 2006, 45, 11390-11400.	2.5	42
8	Phosducin Regulates Transmission at the Photoreceptor-to-ON-Bipolar Cell Synapse. <i>Journal of Neuroscience</i> , 2010, 30, 3239-3253.	3.6	42
9	Disrupted Blood-Retina Lysophosphatidylcholine Transport Impairs Photoreceptor Health But Not Visual Signal Transduction. <i>Journal of Neuroscience</i> , 2019, 39, 9689-9701.	3.6	38
10	Very long chain fatty acid-containing lipids: a decade of novel insights from the study of ELOVL4. <i>Journal of Lipid Research</i> , 2021, 62, 100030.	4.2	38
11	A new class of stopping self-sustained waves: a factor determining the spatial dynamics of blood coagulation. <i>Physics-Usppekhi</i> , 2002, 45, 619-636.	2.2	34
12	Growth Factor Receptor-Bound Protein 14 Undergoes Light-Dependent Intracellular Translocation in Rod Photoreceptors: Functional Role in Retinal Insulin Receptor Activation. <i>Biochemistry</i> , 2009, 48, 5563-5572.	2.5	28
13	Loss of Arf4 causes severe degeneration of the exocrine pancreas but not cystic kidney disease or retinal degeneration. <i>PLoS Genetics</i> , 2017, 13, e1006740.	3.5	27
14	Phosphoinositide Profile of the Mouse Retina. <i>Cells</i> , 2020, 9, 1417.	4.1	17
15	Clarin-1 expression in adult mouse and human retina highlights a role of Müller glia in Usher syndrome. <i>Journal of Pathology</i> , 2020, 250, 195-204.	4.5	15
16	C8ORF37 Is Required for Photoreceptor Outer Segment Disc Morphogenesis by Maintaining Outer Segment Membrane Protein Homeostasis. <i>Journal of Neuroscience</i> , 2018, 38, 3160-3176.	3.6	14
17	Intricate regimes of propagation of an excitation and self-organization in the blood clotting model. <i>Physics-Usppekhi</i> , 2007, 50, 79-94.	2.2	11
18	Tsc2 knockout counteracts ubiquitin-proteasome system insufficiency and delays photoreceptor loss in retinitis pigmentosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118479119.	7.1	8

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19	Transducin β^2 -Subunit Can Interact with Multiple G-Protein β^3 -Subunits to Enable Light Detection by Rod Photoreceptors. <i>ENeuro</i> , 2018, 5, ENEURO.0144-18.2018.	1.9	7
20	Probing Proteostatic Stress in Degenerating Photoreceptors Using Two Complementary <i>In Vivo</i> Reporters of Proteasomal Activity. <i>ENeuro</i> , 2020, 7, ENEURO.0428-19.2019.	1.9	7
21	Systemic Delivery of Genes to Retina Using Adeno-Associated Viruses. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1185, 109-112.	1.6	6
22	Gene Therapy in <i>Opn1mw^{0/0}/Opn1sw^{0/0}</i> Mice and Implications for Blue Cone Monochromacy Patients with Deletion Mutations. <i>Human Gene Therapy</i> , 2022, 33, 708-718.	2.7	6
23	Retinal homeostasis and metformin-induced protection are not affected by retina-specific <i>Pparγ</i> knockout. <i>Redox Biology</i> , 2020, 37, 101700.	9.0	5