Yuri V Sergeev

List of Publications by Year
in descending order

45	1,831	394421	276875
papers	citations	19 h-index	41 g-index

46	46	46	3132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Increased LCN2 (lipocalin 2) in the RPE decreases autophagy and activates inflammasome-ferroptosis processes in a mouse model of dry AMD. Autophagy, 2023, 19, 92-111.	9.1	41
2	Protein Biochemistry and Molecular Modeling of the Intra-Melanosomal Domain of Human Recombinant Tyrp2 Protein and OCA8-Related Mutant Variants. International Journal of Molecular Sciences, 2022, 23, 1305.	4.1	4
3	Clinical Phenotypes of CDHR1-Associated Retinal Dystrophies. Genes, 2022, 13, 925.	2.4	3
4	Î²A1-crystallin regulates glucose metabolism and mitochondrial function in mouse retinal astrocytes by modulating PTP1B activity. Communications Biology, 2021, 4, 248.	4.4	10
5	Homology modeling and global computational mutagenesis of human myosin VIIa. Journal of Analytical & Pharmaceutical Research, 2021, 10, 41-48.	1.0	2
6	Characterization of Temperature-Dependent Kinetics of Oculocutaneous Albinism-Causing Mutants of Tyrosinase. International Journal of Molecular Sciences, 2021, 22, 7771.	4.1	4
7	Î²A3/A1-crystallin regulates apical polarity and EGFR endocytosis in retinal pigmented epithelial cells. Communications Biology, 2021, 4, 850.	4.4	13
8	Tyrp1 Mutant Variants Associated with OCA3: Computational Characterization of Protein Stability and Ligand Binding. International Journal of Molecular Sciences, 2021, 22, 10203.	4.1	7
9	Tyrosinase Nanoparticles: Understanding the Melanogenesis Pathway by Isolating the Products of Tyrosinase Enzymatic Reaction. International Journal of Molecular Sciences, 2021, 22, 734.	4.1	9
10	AMPK modulation ameliorates dominant disease phenotypes of CTRP5 variant in retinal degeneration. Communications Biology, 2021, 4, 1360.	4.4	19
11	Highâ€throughput custom capture sequencing identifies novel mutations in colobomaâ€associated genes: Mutation in DNAâ€binding domain of retinoic acid receptor beta affects nuclear localization causing ocular coloboma. Human Mutation, 2020, 41, 678-695.	2.5	13
12	Protein Stability and Functional Characterization of Intra-Melanosomal Domain of Human Recombinant Tyrosinase-Related Protein 1. International Journal of Molecular Sciences, 2020, 21, 331.	4.1	8
13	Functional in silico analysis of human tyrosinase and OCA1 associated mutations. Journal of Analytical & Pharmaceutical Research, 2020, 9, 81-92.	1.0	6
14	Human Tyrosinase: Temperature-Dependent Kinetics of Oxidase Activity. International Journal of Molecular Sciences, 2020, 21, 895.	4.1	11
15	Functional analysis of human tyrosinase and OCA1 associated mutations. Journal of Analytical & Pharmaceutical Research, 2020, 9, 81-89.	1.0	3
16	The TYRP1â€mediated protection of human tyrosinase activity does not involve stable interactions of tyrosinase domains. Pigment Cell and Melanoma Research, 2019, 32, 753-765.	3.3	21
17	Global computational mutagenesis of domain structures associated with inherited eye disease. Scientific Reports, 2019, 9, 3676.	3.3	5
18	Membrane-associated human tyrosinase is an enzymatically active monomeric glycoprotein. PLoS ONE, 2018, 13, e0198247.	2.5	13

#	Article	IF	Citations
19	Dynamic analysis of human tyrosinase intra-melanosomal domain and mutant variants to further understand oculocutaneous albinism type 1. Journal of Analytical & Pharmaceutical Research, 2018, 7, 621-632.	1.0	4
20	Apoferritin is maintaining the native conformation of citrate synthase. Journal of Analytical & Pharmaceutical Research, 2018, 7, 680-684.	1.0	1
21	The amino acid transporter SLC36A4 regulates the amino acid pool in retinal pigmented epithelial cells and mediates the mechanistic target of rapamycin, complex 1 signaling. Aging Cell, 2017, 16, 349-359.	6.7	32
22	Frequent hypomorphic alleles account for a significant fraction of ABCA4 disease and distinguish it from age-related macular degeneration. Journal of Medical Genetics, 2017, 54, 404-412.	3.2	140
23	REEP6 mediates trafficking of a subset of Clathrin-coated vesicles and is critical for rod photoreceptor function and survival. Human Molecular Genetics, 2017, 26, 2218-2230.	2.9	23
24	The consequences of deglycosylation of recombinant intra-melanosomal domain of human tyrosinase. Biological Chemistry, 2017, 399, 73-77.	2.5	10
25	Purification of Recombinant Human Tyrosinase from Insect Larvae Infected with the Baculovirus Vector. Current Protocols in Protein Science, 2017, 89, 6.15.1-6.15.12.	2.8	13
26	Oculocutaneous albinism type 1: link between mutations, tyrosinase conformational stability, and enzymatic activity. Pigment Cell and Melanoma Research, 2017, 30, 41-52.	3.3	39
27	Global computational mutagenesis provides a critical stability framework in protein structures. PLoS ONE, 2017, 12, e0189064.	2.5	11
28	Novel Heterotypic Rox Sites for Combinatorial Dre Recombination Strategies. G3: Genes, Genomes, Genetics, 2016, 6, 559-571.	1.8	18
29	In silico Mapping of Protein Unfolding Mutations for Inherited Disease. Scientific Reports, 2016, 6, 37298.	3.3	27
30	Dataset of eye disease-related proteins analyzed using the unfolding mutation screen. Scientific Data, 2016, 3, 160112.	5.3	12
31	Biallelic Mutations in MITF Cause Coloboma, Osteopetrosis, Microphthalmia, Macrocephaly, Albinism, and Deafness. American Journal of Human Genetics, 2016, 99, 1388-1394.	6.2	74
32	Thermodynamic Analysis of Weak Protein Interactions Using Sedimentation Equilibrium. Current Protocols in Protein Science, 2014, 77, 20.13.1-20.13.15.	2.8	16
33	IL-27p28 inhibits central nervous system autoimmunity by concurrently antagonizing Th1 and Th17 responses. Journal of Autoimmunity, 2014, 50, 12-22.	6.5	62
34	Interleukin-35 induces regulatory B cells that suppress autoimmune disease. Nature Medicine, 2014, 20, 633-641.	30.7	600
35	Lysosomal-mediated waste clearance in retinal pigment epithelial cells is regulated by CRYBA1/Î²A3/A1-crystallin via V-ATPase-MTORC1 signaling. Autophagy, 2014, 10, 480-496.	9.1	113
36	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. Human Molecular Genetics, 2014, 23, 5827-5837.	2.9	52

#	Article	IF	Citations
37	Albinism-Causing Mutations in Recombinant Human Tyrosinase Alter Intrinsic Enzymatic Activity. PLoS ONE, 2014, 9, e84494.	2.5	37
38	Novel mutation in FBN1 causes ectopia lentis and varicose great saphenous vein in one Chinese autosomal dominant family. Molecular Vision, 2014, 20, 812-21.	1.1	3
39	DNA Variations in Oculocutaneous Albinism: An Updated Mutation List and Current Outstanding Issues in Molecular Diagnostics. Human Mutation, 2013, 34, 827-835.	2.5	114
40	Molecular modeling indicates distinct classes of missense variants with mild and severe XLRS phenotypes. Human Molecular Genetics, 2013, 22, 4756-4767.	2.9	32
41	Î²B1-Crystallin: Thermodynamic Profiles of Molecular Interactions. PLoS ONE, 2012, 7, e29227.	2.5	6
42	Mutation in the Î²A3/A1-crystallin gene impairs phagosome degradation in the retinal pigmented epithelium of the rat. Journal of Cell Science, 2011, 124, 523-531.	2.0	66
43	Nitisinone improves eye and skin pigmentation defects in a mouse model of oculocutaneous albinism. Journal of Clinical Investigation, 2011, 121, 3914-3923.	8.2	45
44	Papillorenal Syndrome-Causing Missense Mutations in PAX2/Pax2 Result in Hypomorphic Alleles in Mouse and Human. PLoS Genetics, 2010, 6, e1000870.	3.5	21
45	Î²A3/A1-crystallin in astroglial cells regulates retinal vascular remodeling during development. Molecular and Cellular Neurosciences, 2008, 37, 85-95.	2.2	64