Yuri V Sergeev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5843650/publications.pdf

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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	Interleukin-35 induces regulatory B cells that suppress autoimmune disease. Nature Medicine, 2014, 20, 633-641.	30.7	600
2	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
3	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
4	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
5	Biallelic Mutations in MITF Cause Coloboma, Osteopetrosis, Microphthalmia, Macrocephaly, Albinism, and Deafness. American Journal of Human Genetics, 2016, 99, 1388-1394.	6.2	74
6	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
7	Î²A3/A1-crystallin in astroglial cells regulates retinal vascular remodeling during development. Molecular and Cellular Neurosciences, 2008, 37, 85-95.	2.2	64
8	IL-27p28 inhibits central nervous system autoimmunity by concurrently antagonizing Th1 and Th17 responses. Journal of Autoimmunity, 2014, 50, 12-22.	6.5	62
9	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
10	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
11	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
12	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
13	Albinism-Causing Mutations in Recombinant Human Tyrosinase Alter Intrinsic Enzymatic Activity. PLoS ONE, 2014, 9, e84494.	2.5	37
14	Molecular modeling indicates distinct classes of missense variants with mild and severe XLRS phenotypes. Human Molecular Genetics, 2013, 22, 4756-4767.	2.9	32
15	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
16	In silico Mapping of Protein Unfolding Mutations for Inherited Disease. Scientific Reports, 2016, 6, 37298.	3.3	27
17	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
18	Papillorenal Syndrome-Causing Missense Mutations in PAX2/Pax2 Result in Hypomorphic Alleles in Mouse and Human. PLoS Genetics, 2010, 6, e1000870.	3.5	21

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19	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
20	AMPK modulation ameliorates dominant disease phenotypes of CTRP5 variant in retinal degeneration. Communications Biology, 2021, 4, 1360.	4.4	19
21	Novel Heterotypic Rox Sites for Combinatorial Dre Recombination Strategies. G3: Genes, Genomes, Genetics, 2016, 6, 559-571.	1.8	18
22	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
23	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
24	Membrane-associated human tyrosinase is an enzymatically active monomeric glycoprotein. PLoS ONE, 2018, 13, e0198247.	2.5	13
25	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
26	Î²A3/A1-crystallin regulates apical polarity and EGFR endocytosis in retinal pigmented epithelial cells. Communications Biology, 2021, 4, 850.	4.4	13
27	Dataset of eye disease-related proteins analyzed using the unfolding mutation screen. Scientific Data, 2016, 3, 160112.	5.3	12
28	Global computational mutagenesis provides a critical stability framework in protein structures. PLoS ONE, 2017, 12, e0189064.	2.5	11
29	Human Tyrosinase: Temperature-Dependent Kinetics of Oxidase Activity. International Journal of Molecular Sciences, 2020, 21, 895.	4.1	11
30	The consequences of deglycosylation of recombinant intra-melanosomal domain of human tyrosinase. Biological Chemistry, 2017, 399, 73-77.	2.5	10
31	Î²A1-crystallin regulates glucose metabolism and mitochondrial function in mouse retinal astrocytes by modulating PTP1B activity. Communications Biology, 2021, 4, 248.	4.4	10
32	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
33	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
34	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
35	Î²B1-Crystallin: Thermodynamic Profiles of Molecular Interactions. PLoS ONE, 2012, 7, e29227.	2.5	6
36	Functional in silico analysis of human tyrosinase and OCA1 associated mutations. Journal of Analytical & Pharmaceutical Research, 2020, 9, 81-92.	1.0	6

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37	Global computational mutagenesis of domain structures associated with inherited eye disease. Scientific Reports, 2019, 9, 3676.	3.3	5
38	Characterization of Temperature-Dependent Kinetics of Oculocutaneous Albinism-Causing Mutants of Tyrosinase. International Journal of Molecular Sciences, 2021, 22, 7771.	4.1	4
39	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
40	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
41	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
42	Functional analysis of human tyrosinase and OCA1 associated mutations. Journal of Analytical & Pharmaceutical Research, 2020, 9, 81-89.	1.0	3
43	Clinical Phenotypes of CDHR1-Associated Retinal Dystrophies. Genes, 2022, 13, 925.	2.4	3
44	Homology modeling and global computational mutagenesis of human myosin VIIa. Journal of Analytical & Pharmaceutical Research, 2021, 10, 41-48.	1.0	2
45	Apoferritin is maintaining the native conformation of citrate synthase. Journal of Analytical & Pharmaceutical Research, 2018, 7, 680-684.	1.0	1