

Correction of the Disease Phenotype of Myocilin-Causin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Olfactomedin Domain-Containing Proteins: Possible Mechanisms of Action and Functions in Normal Development and Pathology. <i>Molecular Neurobiology</i> , 2009, 40, 122-138.	1.9	127
2	Molecular complexity of primary open angle glaucoma: current concepts. <i>Journal of Genetics</i> , 2009, 88, 451-467.	0.4	60
3	Trimethylamine N-oxide influence on the backbone of proteins: An oligoglycine model. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 695-704.	1.5	85
4	Backbone additivity in the transfer model of protein solvation. <i>Protein Science</i> , 2010, 19, 1011-1022.	3.1	71
5	Rescue of Glaucoma-Causing Mutant Myocilin Thermal Stability by Chemical Chaperones. <i>ACS Chemical Biology</i> , 2010, 5, 477-487.	1.6	49
6	Improving Binding Specificity of Pharmacological Chaperones That Target Mutant Superoxide Dismutase-1 Linked to Familial Amyotrophic Lateral Sclerosis Using Computational Methods. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2709-2718.	2.9	41
7	The Stability of Myocilin Olfactomedin Domain Variants Provides New Insight into Glaucoma as a Protein Misfolding Disorder. <i>Biochemistry</i> , 2011, 50, 5824-5833.	1.2	47
8	Biophysical Characterization of the Olfactomedin Domain of Myocilin, an Extracellular Matrix Protein Implicated in Inherited Forms of Glaucoma. <i>PLoS ONE</i> , 2011, 6, e16347.	1.1	34
9	Keeping an Eye on Myocilin: A Complex Molecule Associated with Primary Open-Angle Glaucoma Susceptibility. <i>Molecules</i> , 2011, 16, 5402-5421.	1.7	29
10	New direction for glaucoma therapeutics: focus on the olfactomedin domain of myocilin. <i>Future Medicinal Chemistry</i> , 2012, 4, 2131-2134.	1.1	3
11	Glucose-regulated Protein 94 Triage of Mutant Myocilin through Endoplasmic Reticulum-associated Degradation Subverts a More Efficient Autophagic Clearance Mechanism. <i>Journal of Biological Chemistry</i> , 2012, 287, 40661-40669.	1.6	66
12	Chemical Chaperones Improve Protein Secretion and Rescue Mutant Factor VIII in Mice with Hemophilia A. <i>PLoS ONE</i> , 2012, 7, e44505.	1.1	32
13	In Vitro Amyloid Aggregate Forming Ability of TGFBI Mutants that Cause Corneal Dystrophies. , 2012, 53, 5890.		24
14	Amyloid Fibril Formation by the Glaucoma-Associated Olfactomedin Domain of Myocilin. <i>Journal of Molecular Biology</i> , 2012, 421, 242-255.	2.0	48
15	The cell stress machinery and retinal degeneration. <i>FEBS Letters</i> , 2013, 587, 2008-2017.	1.3	126
16	Endoplasmic reticulum stress and the unfolded protein responses in retinal degeneration. <i>Experimental Eye Research</i> , 2014, 125, 30-40.	1.2	116
17	Proteomics Analysis of Molecular Risk Factors in the Ocular Hypertensive Human Retina. , 2015, 56, 5816.		37
18	Organic Osmolytes in Elasmobranchs. <i>Fish Physiology</i> , 2015, 34, 221-277.	0.2	8

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19	Identification of a novel MYOC mutation in a Chinese family with primary open-angle glaucoma. <i>Gene</i> , 2015, 571, 188-193.	1.0	8
20	TMAO: A small molecule of great expectations. <i>Nutrition</i> , 2015, 31, 1317-1323.	1.1	244
21	Co-evolution of proteins and solutions: protein adaptation versus cytoprotective micromolecules and their roles in marine organisms. <i>Journal of Experimental Biology</i> , 2015, 218, 1880-1896.	0.8	124
22	Discovery of Molecular Therapeutics for Glaucoma: Challenges, Successes, and Promising Directions. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 788-809.	2.9	55
23	Association of WDR36 polymorphisms with primary open angle glaucoma. <i>Medicine (United States)</i> , 2017, 96, e7291.	0.4	8
24	Trimethylamine- N -Oxide: Friend, Foe, or Simply Caught in the Cross-Fire?. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 121-130.	3.1	149
25	A novel single nucleotide polymorphism in exon 3 of MYOC enhances the risk of glaucoma. <i>PLoS ONE</i> , 2018, 13, e0195157.	1.1	16
26	Potential prophylactic effect of chemical chaperones for alleviation of endoplasmic reticulum stress in experimental diabetic cataract. <i>Bulletin of the National Research Centre</i> , 2019, 43, .	0.7	8
27	Is increased plasma TMAO a compensatory response to hydrostatic and osmotic stress in cardiovascular diseases?. <i>Medical Hypotheses</i> , 2019, 130, 109271.	0.8	23
28	Glaucoma patients have an increased level of trimethylamine, a toxic product of gut bacteria, in the aqueous humor: a pilot study. <i>International Ophthalmology</i> , 2021, 41, 341-347.	0.6	11
29	Molecular Adaptation to High Pressure: Proteins in Deep-Sea Animals. , 2021, , 151-172.		0
30	Common and rare myocilin variants: Predicting glaucoma pathogenicity based on genetics, clinical, and laboratory misfolding data. <i>Human Mutation</i> , 2021, 42, 903-946.	1.1	13
31	Juvenile-onset open-angle glaucoma – A clinical and genetic update. <i>Survey of Ophthalmology</i> , 2022, 67, 1099-1117.	1.7	15
32	Reduction of ER stress via a chemical chaperone prevents disease phenotypes in a mouse model of primary open angle glaucoma. <i>Journal of Clinical Investigation</i> , 2011, 121, 3542-3553.	3.9	249
34	Whole exome sequencing implicates eye development, the unfolded protein response and plasma membrane homeostasis in primary open-angle glaucoma. <i>PLoS ONE</i> , 2017, 12, e0172427.	1.1	8
35	On the Design of Broad Based Screening Assays to Identify Potential Pharmacological Chaperones of Protein Misfolding Diseases. <i>Current Topics in Medicinal Chemistry</i> , 2013, 12, 2504-2522.	1.0	16
36	Glaucoma Genes in East Asian Studies. <i>Essentials in Ophthalmology</i> , 2019, , 357-371.	0.0	0
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38	Sodium 4-phenylbutyrate ameliorates the effects of cataract-causing mutant gammaD-crystallin in cultured cells. <i>Molecular Vision</i> , 2010, 16, 997-1003.	1.1	16
39	Myocilin mutations in black South Africans with POAG. <i>Molecular Vision</i> , 2011, 17, 1064-9.	1.1	16
40	Unaltered myocilin expression in the blood of primary open angle glaucoma patients. <i>Molecular Vision</i> , 2012, 18, 1004-9.	1.1	13
41	A novel MYOC heterozygous mutation identified in a Chinese Uygur pedigree with primary open-angle glaucoma. <i>Molecular Vision</i> , 2012, 18, 1944-51.	1.1	6
42	Single nucleotide polymorphism of MYOC affected the severity of primary open angle glaucoma. <i>International Journal of Ophthalmology</i> , 2013, 6, 264-8.	0.5	9
44	Accumulation of Asn450Tyr mutant myocilin in ER promotes apoptosis of human trabecular meshwork cells. <i>Molecular Vision</i> , 2020, 26, 563-573.	1.1	5
46	TMAO to the rescue of pathogenic protein variants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130214.	1.1	1
47	Structureâ€™functionâ€™pathogenicity analysis of C-terminal myocilin missense variants based on experiments and 3D models. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
48	Endoplasmic reticulum stress as an underlying factor in leading causes of blindness and potential therapeutic effects of 4-phenylbutyric acid: from bench to bedside. <i>Expert Review of Ophthalmology</i> , 0, , 1-11.	0.3	0
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