Shari R Atilano

List of Publications by Year
in descending order

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43 papers	2,059 citations	471509 17 h-index	395702 33 g-index
44 all docs	44 docs citations	44 times ranked	2202 citing authors

#	Article	IF	Citations
1	Evidence of Oxidative Stress in Human Corneal Diseases. Journal of Histochemistry and Cytochemistry, 2002, 50, 341-351.	2.5	327
2	Increased Levels of Catalase and Cathepsin V/L2 but Decreased TIMP-1 in Keratoconus Corneas: Evidence that Oxidative Stress Plays a Role in This Disorder. , 2005, 46, 823.		178
3	Increased Stress-Induced Generation of Reactive Oxygen Species and Apoptosis in Human Keratoconus Fibroblasts. , 2006, 47, 1902.		141
4	Molecular and bioenergetic differences between cells with African versus European inherited mitochondrial DNA haplogroups: Implications for population susceptibility to diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 208-219.	3.8	136
5	SOD1: A Candidate Gene for Keratoconus. , 2006, 47, 3345.		126
6	Mitochondrial DNA Haplogroups Associated with Age-Related Macular Degeneration. , 2009, 50, 2966.		117
7	Inherited mitochondrial DNA variants can affect complement, inflammation and apoptosis pathways: insights into mitochondrial-nuclear interactions. Human Molecular Genetics, 2014, 23, 3537-3551.	2.9	101
8	Accumulation of Mitochondrial DNA Damage in Keratoconus Corneas. , 2005, 46, 1256.		100
9	Hypersensitive Response to Oxidative Stress in Keratoconus Corneal Fibroblasts. , 2008, 49, 4361.		90
10	Mitochondrial DNA Variants Mediate Energy Production and Expression Levels for CFH, C3 and EFEMP1 Genes: Implications for Age-Related Macular Degeneration. PLoS ONE, 2013, 8, e54339.	2.5	81
11	Increased retinal mtDNA damage in the CFH variant associated with age-related macular degeneration. Experimental Eye Research, 2016, 145, 269-277.	2.6	64
12	Alu DNA polymorphism in ACE gene is protective for age-related macular degeneration. Biochemical and Biophysical Research Communications, 2002, 295, 668-672.	2.1	61
13	Mitochondrial DNA variants can mediate methylation status of inflammation, angiogenesis and signaling genes. Human Molecular Genetics, 2015, 24, 4491-4503.	2.9	52
14	Characterization of Retinal and Blood Mitochondrial DNA from Age-Related Macular Degeneration Patients. , 2010, 51, 4289.		48
15	Mitochondrial DNA haplogroups confer differences in risk for age-related macular degeneration: a case control study. BMC Medical Genetics, 2013, 14, 4.	2.1	44
16	Altered Expression of Aquaporins in Bullous Keratopathy and Fuchs' Dystrophy Corneas. Journal of Histochemistry and Cytochemistry, 2004, 52, 1341-1350.	2.5	43
17	Complement Factor H Polymorphism in Age-Related Macular Degeneration. Ophthalmology, 2007, 114, 1327-1331.	5.2	41
18	Mitochondrial DNA Damage Induced by 7-Ketocholesterol in Human Retinal Pigment Epithelial Cells In Vitro. , 2010, 51, 1164.		33

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19	Human Retinal Transmitochondrial Cybrids with J or H mtDNA Haplogroups Respond Differently to Ultraviolet Radiation: Implications for Retinal Diseases. PLoS ONE, 2014, 9, e99003.	2.5	30
20	SOD1 Haplotypes in Familial Keratoconus. Cornea, 2009, 28, 902-907.	1.7	29
21	Extracellular Matrix and Na + ,K + -ATPase in Human Corneas Following Cataract Surgery. Cornea, 2002, 21, 74-80.	1.7	26
22	Corneal oxidative damage in keratoconus cells due to decreased oxidant elimination from modified expression levels of SOD enzymes, PRDX6, SCARA3, CPSF3, and FOXM1. Journal of Ophthalmic and Vision Research, 2019, 14, 62.	1.0	26
23	Insulin-like growth factor-I (IGF-I) and transforming growth factor-Î² (TGF-Î²) modulate tenascin-C and fibrillin-1 in bullous keratopathy stromal cells in vitro. Experimental Eye Research, 2003, 77, 537-546.	2.6	21
24	Hydrogen Peroxide Causes Mitochondrial DNA Damage in Corneal Epithelial Cells. Cornea, 2009, 28, 426-433.	1.7	21
25	European mtDNA Variants Are Associated With Differential Responses to Cisplatin, an Anticancer Drug: Implications for Drug Resistance and Side Effects. Frontiers in Oncology, 2019, 9, 640.	2.8	21
26	Protective Effects of Memantine on Hydroquinone-Treated Human Retinal Pigment Epithelium Cells and Human Retinal MÃ¼ller Cells. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 610-619.	1.4	15
27	Increased expression of ApoE and protection from amyloid-beta toxicity in transmitochondrial cybrids with haplogroup K mtDNA. Neurobiology of Disease, 2016, 93, 64-77.	4.4	12
28	African and Asian Mitochondrial DNA Haplogroups Confer Resistance Against Diabetic Stresses on Retinal Pigment Epithelial Cybrid Cells In Vitro. Molecular Neurobiology, 2020, 57, 1636-1655.	4.0	9
29	Potential adverse effects of ciprofloxacin and tetracycline on ARPE-19 cell lines. BMJ Open Ophthalmology, 2020, 5, e000458.	1.6	9
30	Mitochondria: The Retinaâ€™s Achillesâ€™ Heel in AMD. Advances in Experimental Medicine and Biology, 2021, 1256, 237-264.	1.6	9
31	Anti-VEGF Drugs Influence Epigenetic Regulation and AMD-Specific Molecular Markers in ARPE-19 Cells. Cells, 2021, 10, 878.	4.1	9
32	Differential effects of risuteganib and bevacizumab on AMD cybrid cells. Experimental Eye Research, 2021, 203, 108287.	2.6	8
33	Differential effects of cisplatin on cybrid cells with varying mitochondrial DNA haplogroups. PeerJ, 2020, 8, e9908.	2.0	8
34	Low frequency mitochondrial DNA heteroplasmy SNPs in blood, retina, and [RPE+choroid] of age-related macular degeneration subjects. PLoS ONE, 2021, 16, e0246114.	2.5	5
35	A two-step method for identifying photopigment opsin and gene sequences underlying human color vision phenotypes. Molecular Vision, 2020, 26, 158-172.	1.1	4
36	Effects of fluoroquinolones and tetracyclines on mitochondria of human retinal MIO-M1 cells. Experimental Eye Research, 2022, 214, 108857.	2.6	4

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37	Altered Retrograde Signaling Patterns in Breast Cancer Cells Cybrids with H and J Mitochondrial DNA Haplogroups. International Journal of Molecular Sciences, 2022, 23, 6687.	4.1	3
38	Mitochondrial DNA polymorphisms and biogenesis genes in primary and metastatic uveal melanoma cell lines. Cancer Genetics, 2021, 256-257, 91-99.	0.4	2
39	Differential responses of AMD mitochondrial DNA haplogroups to PU-91, a mitochondria-targeting drug. Mitochondrion, 2021, 60, 189-200.	3.4	2
40	Differential mitochondrial and cellular responses between H vs. J mtDNA haplogroup-containing human RPE transmitochondrial cybrid cells. Experimental Eye Research, 2022, 219, 109013.	2.6	2
41	Impact of Mitochondrial DNA Haplogroups on Cancer Gene Expression. FASEB Journal, 2018, 32, 543.18.	0.5	1
42	Color perception in observers with varying photopigment opsin genotypes. Journal of Vision, 2019, 19, 29.	0.3	0
43	Impacts of Bacteriostatic and Bactericidal Antibiotics on the Mitochondria of the Age-Related Macular Degeneration Cybrid Cell Lines. Biomolecules, 2022, 12, 675.	4.0	0