

M Cristina Kenney

List of Publications by Year in descending order

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87
papers

3,270
citations

201674

27
h-index

206112

48
g-index

88
all docs

88
docs citations

88
times ranked

3592
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cascade Hypothesis of Keratoconus. Contact Lens and Anterior Eye, 2003, 26, 139-146.	1.7	207
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	A pooled case-control study of the apolipoprotein E (APOE) gene in age-related maculopathy. Ophthalmic Genetics, 2002, 23, 209-223.	1.2	136
5	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
6	Mitochondrial DNA Haplogroups Associated with Age-Related Macular Degeneration. , 2009, 50, 2966.		117
7	Human Corneal Epithelial Basement Membrane and Integrin Alterations in Diabetes and Diabetic Retinopathy¹. Journal of Histochemistry and Cytochemistry, 1998, 46, 1033-1041.	2.5	107
8	Overexpression of Matrix Metalloproteinase-10 and Matrix Metalloproteinase-3 in Human Diabetic Corneas. American Journal of Pathology, 2001, 158, 723-734.	3.8	103
9	Safety profiles of anti-VEGF drugs: bevacizumab, ranibizumab, aflibercept and ziv-aflibercept on human retinal pigment epithelium cells in culture. British Journal of Ophthalmology, 2014, 98, i11-i16.	3.9	102
10	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
11	Increased Gelatinolytic Activity in Keratoconus Keratocyte Cultures. Cornea, 1994, 13, 114-124.	1.7	83
12	Basement membrane and growth factor gene expression in normal and diabetic human retinas. Current Eye Research, 1999, 18, 490-499.	1.5	81
13	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
14	Trypan Blue: Effect on Retinal Pigment Epithelial and Neurosensory Retinal Cells. , 2005, 46, 304.		80
15	Humanin G (HNG) protects age-related macular degeneration (AMD) transmitochondrial ARPE-19 cybrids from mitochondrial and cellular damage. Cell Death and Disease, 2017, 8, e2951-e2951.	6.3	71
16	Characterization of an endogenous metalloproteinase in human vitreous. Current Eye Research, 1994, 13, 639-647.	1.5	64
17	Increased retinal mtDNA damage in the CFH variant associated with age-related macular degeneration. Experimental Eye Research, 2016, 145, 269-277.	2.6	64
18	Bioenergetics Consequences of Mitochondrial Transplantation in Cardiomyocytes. Journal of the American Heart Association, 2020, 9, e014501.	3.7	64

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19	Intraocular Sustained-Release Delivery Systems for Triamcinolone Acetonide. <i>Pharmaceutical Research</i> , 2009, 26, 770-784.	3.5	63
20	Effects of Benzo(e)Pyrene, a Toxic Component of Cigarette Smoke, on Human Retinal Pigment Epithelial Cells In Vitro. , 2008, 49, 5111.		55
21	Mitochondrial DNA variants can mediate methylation status of inflammation, angiogenesis and signaling genes. <i>Human Molecular Genetics</i> , 2015, 24, 4491-4503.	2.9	52
22	Characterizing the protective effects of SHLP2, a mitochondrial-derived peptide, in macular degeneration. <i>Scientific Reports</i> , 2018, 8, 15175.	3.3	51
23	Characterization of Retinal and Blood Mitochondrial DNA from Age-Related Macular Degeneration Patients. , 2010, 51, 4289.		48
24	Pseudophakic Corneal Edema. <i>Cornea</i> , 2006, 25, 993-1004.	1.7	44
25	Mitochondrial DNA haplogroups confer differences in risk for age-related macular degeneration: a case control study. <i>BMC Medical Genetics</i> , 2013, 14, 4.	2.1	44
26	Altered Expression of Aquaporins in Bullous Keratopathy and Fuchs' Dystrophy Corneas. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 1341-1350.	2.5	43
27	Cleavage of structural components of mammalian vitreous by endogenous matrix metalloproteinase-2. <i>Current Eye Research</i> , 1996, 15, 439-445.	1.5	42
28	Complement Factor H Polymorphism in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2007, 114, 1327-1331.	5.2	41
29	7-Ketocholesterol activates caspases-3/7, -8, and -12 in human microvascular endothelial cells in vitro. <i>Microvascular Research</i> , 2008, 75, 343-350.	2.5	39
30	Inhibition of Apoptosis in Human Retinal Pigment Epithelial Cells Treated with Benzo(e)Pyrene, a Toxic Component of Cigarette Smoke. , 2010, 51, 2601.		34
31	Mitochondrial DNA Damage Induced by 7-Ketocholesterol in Human Retinal Pigment Epithelial Cells In Vitro. , 2010, 51, 1164.		33
32	Abnormal Extracellular Matrix in Corneas with Pseudophakic Bullous Keratopathy. <i>Cornea</i> , 1990, 9, 115-121.	1.7	32
33	Human Retinal Transmitochondrial Cybrids with J or H mtDNA Haplogroups Respond Differently to Ultraviolet Radiation: Implications for Retinal Diseases. <i>PLoS ONE</i> , 2014, 9, e99003.	2.5	30
34	Impaired electroretinogram (ERG) response in apolipoprotein E-deficient mice. <i>Current Eye Research</i> , 2003, 27, 15-24.	1.5	29
35	Caspase-8, -12, and -3 Activation by 7-Ketocholesterol in Retinal Neurosensory Cells. , 2007, 48, 1362.		29
36	Characterization of a human corneal metalloproteinase inhibitor (TIMP-1). <i>Current Eye Research</i> , 1993, 12, 877-883.	1.5	27

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37	Increased Expression of Fibrillin-1 in Human Corneas with Bullous Keratopathy. <i>Cornea</i> , 1998, 17, 309-314.	1.7	27
38	Extracellular Matrix and Na ⁺ ,K ⁺ -ATPase in Human Corneas Following Cataract Surgery. <i>Cornea</i> , 2002, 21, 74-80.	1.7	26
39	Differential effects of nicotine on retinal and vascular cells in vitro. <i>Toxicology</i> , 2009, 259, 69-76.	4.2	26
40	Corneal oxidative damage in keratoconus cells due to decreased oxidant elimination from modified expression levels of SOD enzymes, PRDX6, SCARA3, CPSF3, and FOXM1. <i>Journal of Ophthalmic and Vision Research</i> , 2019, 14, 62.	1.0	26
41	Effects of Mitochondrial-Derived Peptides (MDPs) on Mitochondrial and Cellular Health in AMD. <i>Cells</i> , 2020, 9, 1102.	4.1	25
42	The role of mitochondria in AMD: Current knowledge and future applications. <i>Journal of Ophthalmic and Vision Research</i> , 2017, 12, 424.	1.0	25
43	Brimonidine Can Prevent <i>In Vitro</i> Hydroquinone Damage on Retinal Pigment Epithelium Cells and Retinal Muller Cells. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 102-108.	1.4	24
44	Differential Expression of Complement Markers in Normal and AMD Transmitochondrial Cybrids. <i>PLoS ONE</i> , 2016, 11, e0159828.	2.5	24
45	Increased Expression of Tenascin-C-binding Epithelial Integrins in Human Bullous Keratopathy Corneas. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1341-1350.	2.5	22
46	Protective effects of memantine and epicatechin on catechol-induced toxicity on Muller cells in vitro. <i>Toxicology</i> , 2010, 271, 107-114.	4.2	22
47	Insulin-like growth factor-I (IGF-I) and transforming growth factor- ² (TGF- ²) modulate tenascin-C and fibrillin-1 in bullous keratopathy stromal cells in vitro. <i>Experimental Eye Research</i> , 2003, 77, 537-546.	2.6	21
48	Hydrogen Peroxide Causes Mitochondrial DNA Damage in Corneal Epithelial Cells. <i>Cornea</i> , 2009, 28, 426-433.	1.7	21
49	Axial mechanical and structural characterization of keratoconus corneas. <i>Experimental Eye Research</i> , 2018, 175, 14-19.	2.6	21
50	European mtDNA Variants Are Associated With Differential Responses to Cisplatin, an Anticancer Drug: Implications for Drug Resistance and Side Effects. <i>Frontiers in Oncology</i> , 2019, 9, 640.	2.8	21
51	Age-related macular degeneration (AMD) mitochondria modulate epigenetic mechanisms in retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2019, 189, 107701.	2.6	21
52	Nutraceutical effects of <i>Emblca officinalis</i> in age-related macular degeneration. <i>Aging</i> , 2019, 11, 1177-1188.	3.1	21
53	Effects of Benzo(e)Pyrene on the Retinal Neurosensory Cells and Human Microvascular Endothelial Cells <i>In Vitro</i> . <i>Current Eye Research</i> , 2009, 34, 672-682.	1.5	19
54	Novel Splice Variants of Human Tenascin-C mRNA Identified in Normal and Bullous Keratopathy Corneas. <i>Cornea</i> , 1998, 17, 326-332.	1.7	16

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55	Hydroquinone induces oxidative and mitochondrial damage to human retinal M \ddot{A} ller cells (MIO-M1). <i>NeuroToxicology</i> , 2013, 39, 102-108.	3.0	15
56	Steroid differentiation: the safety profile of various steroids on retinal cells in vitro and their implications for clinical use (an American Ophthalmological Society thesis). <i>Transactions of the American Ophthalmological Society</i> , 2014, 112, 116-41.	1.4	15
57	Role of Citicoline in an in vitro AMD model. <i>Aging</i> , 2020, 12, 9031-9040.	3.1	13
58	Effects of light on retinal pigment epithelial cells, neurosensory retinal cells and M \ddot{A} ller cells treated with Brilliant Blue G. <i>Clinical and Experimental Ophthalmology</i> , 2015, 43, 820-829.	2.6	12
59	Increased expression of ApoE and protection from amyloid-beta toxicity in transmitochondrial cybrids with haplogroup K mtDNA. <i>Neurobiology of Disease</i> , 2016, 93, 64-77.	4.4	12
60	PU-91 drug rescues human age-related macular degeneration RPE cells; implications for AMD therapeutics. <i>Aging</i> , 2019, 11, 6691-6713.	3.1	10
61	African and Asian Mitochondrial DNA Haplogroups Confer Resistance Against Diabetic Stresses on Retinal Pigment Epithelial Cybrid Cells In Vitro. <i>Molecular Neurobiology</i> , 2020, 57, 1636-1655.	4.0	9
62	Quantifying Color Vision Changes Associated With Cataracts Using Cone Contrast Thresholds. <i>Translational Vision Science and Technology</i> , 2020, 9, 11.	2.2	9
63	Potential adverse effects of ciprofloxacin and tetracycline on ARPE-19 cell lines. <i>BMJ Open Ophthalmology</i> , 2020, 5, e000458.	1.6	9
64	Mitochondria: The Retina's Achilles Heel in AMD. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1256, 237-264.	1.6	9
65	Age-related Macular Degeneration (AMD): A Review on its Epidemiology and Risk Factors. <i>Open Ophthalmology Journal</i> , 2019, 13, 90-99.	0.2	9
66	Mitochondrial Impairment in Antibiotic Induced Toxic Optic Neuropathies. <i>Current Eye Research</i> , 2018, 43, 1199-1204.	1.5	8
67	Differential effects of risuteganib and bevacizumab on AMD cybrid cells. <i>Experimental Eye Research</i> , 2021, 203, 108287.	2.6	8
68	Differential effects of cisplatin on cybrid cells with varying mitochondrial DNA haplogroups. <i>PeerJ</i> , 2020, 8, e9908.	2.0	8
69	Effects of bevacizumab, ranibizumab, and aflibercept on phagocytic properties in human RPE cybrids with AMD versus normal mitochondria. <i>Experimental Eye Research</i> , 2018, 177, 112-116.	2.6	7
70	In vitro response and gene expression of human retinal M \ddot{A} ller cells treated with different anti-VEGF drugs. <i>Experimental Eye Research</i> , 2020, 191, 107903.	2.6	6
71	J or H mtDNA haplogroups in retinal pigment epithelial cells: Effects on cell physiology, cargo in extracellular vesicles, and differential uptake of such vesicles by naive recipient cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129798.	2.4	6
72	Effects of Benzo(e)pyrene on reactive oxygen/nitrogen species and inflammatory cytokines induction in human RPE cells and attenuation by mitochondrial-involved mechanism. <i>Journal of Ophthalmic and Vision Research</i> , 2016, 11, 385.	1.0	6

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73	Protective effects of lipoic acid on chrysene-induced toxicity on M μ ller cells in vitro. <i>Molecular Vision</i> , 2013, 19, 25-38.	1.1	6
74	Protective effects of 17 β -estradiol on Benzo(e)pyrene[B(e)P]-induced toxicity in ARPE-19 cells. <i>Journal of Ophthalmic and Vision Research</i> , 2018, 13, 419.	1.0	5
75	Low frequency mitochondrial DNA heteroplasmy SNPs in blood, retina, and [RPE+choroid] of age-related macular degeneration subjects. <i>PLoS ONE</i> , 2021, 16, e0246114.	2.5	5
76	Proteinase activity in normal human tears: Male-female dimorphism. <i>Current Eye Research</i> , 1995, 14, 1081-1086.	1.5	4
77	A two-step method for identifying photopigment opsin and gene sequences underlying human color vision phenotypes. <i>Molecular Vision</i> , 2020, 26, 158-172.	1.1	4
78	Effects of fluoroquinolones and tetracyclines on mitochondria of human retinal MIO-M1 cells. <i>Experimental Eye Research</i> , 2022, 214, 108857.	2.6	4
79	Age-Related Macular Degeneration (AMD) Transmitochondrial Cybrids Protected from Cellular Damage and Death by Human Retinal Progenitor Cells (hRPCs). <i>Stem Cells International</i> , 2021, 2021, 1-15.	2.5	2
80	Mitochondrial DNA polymorphisms and biogenesis genes in primary and metastatic uveal melanoma cell lines. <i>Cancer Genetics</i> , 2021, 256-257, 91-99.	0.4	2
81	Differential responses of AMD mitochondrial DNA haplogroups to PU-91, a mitochondria-targeting drug. <i>Mitochondrion</i> , 2021, 60, 189-200.	3.4	2
82	Differential mitochondrial and cellular responses between H vs. J mtDNA haplogroup-containing human RPE transmitochondrial hybrid cells. <i>Experimental Eye Research</i> , 2022, 219, 109013.	2.6	2
83	The Transcriptome Profile of Retinal Pigment Epithelium and M μ ller Cell Lines Protected by Risuteganib Against Hydrogen Peroxide Stress. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2022, 38, 513-526.	1.4	2
84	Mitochondrial Genetics of Retinal Disease. , 2013, , 635-641.		1
85	Color perception in observers with varying photopigment opsin genotypes. <i>Journal of Vision</i> , 2019, 19, 29.	0.3	0
86	Memantine, Simvastatin, and Epicatechin Inhibit 7-Ketocholesterol-induced Apoptosis in Retinal Pigment Epithelial Cells But Not Neurosensory Retinal Cells In Vitro. <i>Journal of Ophthalmic and Vision Research</i> , 2020, 15, 470-480.	1.0	0
87	Impacts of Bacteriostatic and Bactericidal Antibiotics on the Mitochondria of the Age-Related Macular Degeneration Hybrid Cell Lines. <i>Biomolecules</i> , 2022, 12, 675.	4.0	0