

Deborah A Ferrington

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

5,395
citations

134610

34
h-index

124990

64
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76
all docs

76
docs citations

76
times ranked

6359
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing Mitochondrial-Targeted Drugs in iPSC-RPE from Patients with Age-Related Macular Degeneration. <i>Pharmaceuticals</i> , 2022, 15, 62.	1.7	11
2	Quantification of mitophagy using mKeima-mito in cultured human primary retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2022, 217, 108981.	1.2	2
3	Human iPSC- and Primary-Retinal Pigment Epithelial Cells for Modeling Age-Related Macular Degeneration. <i>Antioxidants</i> , 2022, 11, 605.	2.2	6
4	Inflammasome Activation in Retinal Pigment Epithelium from Human Donors with Age-Related Macular Degeneration. <i>Cells</i> , 2022, 11, 2075.	1.8	4
5	Automating Human Induced Pluripotent Stem Cell Culture and Differentiation of iPSC-Derived Retinal Pigment Epithelium for Personalized Drug Testing. <i>SLAS Technology</i> , 2021, 26, 287-299.	1.0	15
6	Mitochondria: The Retina's Achilles Heel in AMD. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1256, 237-264.	0.8	9
7	Glutathione Metabolism and the Novel Role of Mitochondrial GSH in Retinal Degeneration. <i>Antioxidants</i> , 2021, 10, 661.	2.2	45
8	Impaired Mitochondrial Function in iPSC-Retinal Pigment Epithelium with the Complement Factor H Polymorphism for Age-Related Macular Degeneration. <i>Cells</i> , 2021, 10, 789.	1.8	28
9	No association between cataract surgery and mitochondrial DNA damage with age-related macular degeneration in human donor eyes. <i>PLoS ONE</i> , 2021, 16, e0258803.	1.1	0
10	Mitochondrial Defects Drive Degenerative Retinal Diseases. <i>Trends in Molecular Medicine</i> , 2020, 26, 105-118.	3.5	86
11	Improving retinal mitochondrial function as a treatment for age-related macular degeneration. <i>Redox Biology</i> , 2020, 34, 101552.	3.9	34
12	Investigating AKT activation and autophagy in immunoproteasome-deficient retinal cells. <i>PLoS ONE</i> , 2020, 15, e0231212.	1.1	16
13	Family-based exome sequencing identifies rare coding variants in age-related macular degeneration. <i>Human Molecular Genetics</i> , 2020, 29, 2022-2034.	1.4	26
14	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2020, 79, 100858.	7.3	239
15	Lipid-derived and other oxidative modifications of retinal proteins in a rat model of Smith-Lemli-Opitz syndrome. <i>Experimental Eye Research</i> , 2019, 178, 247-254.	1.2	9
16	N-Acetyl-L-cysteine Protects Human Retinal Pigment Epithelial Cells from Oxidative Damage: Implications for Age-Related Macular Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	38
17	Increased serum proteins in non-exudative AMD retinas. <i>Experimental Eye Research</i> , 2019, 186, 107686.	1.2	13
18	Antimycin A-Induced Mitochondrial Damage Causes Human RPE Cell Death despite Activation of Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	33

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19	EDITORIAL: Special issue on the role of lipid and protein oxidation in retinal degenerations. <i>Experimental Eye Research</i> , 2019, 181, 313-315.	1.2	2
20	Retinal transcriptome and eQTL analyses identify genes associated with age-related macular degeneration. <i>Nature Genetics</i> , 2019, 51, 606-610.	9.4	201
21	Loss of NRF-2 and PGC-1 \pm genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019, 20, 1-12.	3.9	117
22	Downhill exercise alters immunoproteasome content in mouse skeletal muscle. <i>Cell Stress and Chaperones</i> , 2018, 23, 507-517.	1.2	10
23	Perspective on AMD Pathobiology: A Bioenergetic Crisis in the RPE. , 2018, 59, AMD41.		141
24	Molecular Mechanisms Underlying Age-Related Ocular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-2.	1.9	5
25	Immunoproteasomes as a novel antiviral mechanism in rhinovirus-infected airways. <i>Clinical Science</i> , 2018, 132, 1711-1723.	1.8	10
26	Altered bioenergetics and enhanced resistance to oxidative stress in human retinal pigment epithelial cells from donors with age-related macular degeneration. <i>Redox Biology</i> , 2017, 13, 255-265.	3.9	129
27	Activating the Akt2 nuclear factor- κ B lipocalin axis elicits an inflammatory response in age-related macular degeneration. <i>Journal of Pathology</i> , 2017, 241, 583-588.	2.1	55
28	Generation of retinal pigmented epithelium from iPSCs derived from the conjunctiva of donors with and without age related macular degeneration. <i>PLoS ONE</i> , 2017, 12, e0173575.	1.1	26
29	Denervation-Induced Activation of the Standard Proteasome and Immunoproteasome. <i>PLoS ONE</i> , 2016, 11, e0166831.	1.1	11
30	Simultaneous determination of 8-oxo-2 α -deoxyguanosine and 8-oxo-2 α -deoxyadenosine in human retinal DNA by liquid chromatography nanoelectrospray-tandem mass spectrometry. <i>Scientific Reports</i> , 2016, 6, 22375.	1.6	26
31	Increased retinal mtDNA damage in the CFH variant associated with age-related macular degeneration. <i>Experimental Eye Research</i> , 2016, 145, 269-277.	1.2	64
32	Defects in retinal pigment epithelial cell proteolysis and the pathology associated with age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2016, 51, 69-89.	7.3	190
33	Lactoferrin Expression in Human and Murine Ocular Tissue. <i>Current Eye Research</i> , 2016, 41, 883-889.	0.7	13
34	Immunoproteasome Deficiency Protects in the Retina after Optic Nerve Crush. <i>PLoS ONE</i> , 2015, 10, e0126768.	1.1	14
35	Investigating Mitochondria as a Target for Treating Age-Related Macular Degeneration. <i>Journal of Neuroscience</i> , 2015, 35, 7304-7311.	1.7	196
36	Retinal dendritic cell recruitment, but not function, was inhibited in MyD88 and TRIF deficient mice. <i>Journal of Neuroinflammation</i> , 2014, 11, 143.	3.1	32

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37	Immunoproteasome in animal models of Duchenne muscular dystrophy. <i>Journal of Muscle Research and Cell Motility</i> , 2014, 35, 191-201.	0.9	19
38	Corneal Wound Healing Is Compromised by Immunoproteasome Deficiency. <i>PLoS ONE</i> , 2013, 8, e54347.	1.1	12
39	Immunoproteasome Deficiency Modifies the Alternative Pathway of NF κ B Signaling. <i>PLoS ONE</i> , 2013, 8, e56187.	1.1	25
40	Immunoproteasomes. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 109, 75-112.	0.9	306
41	A Novel Role for the Immunoproteasome in Retinal Function. , 2011, 52, 714.		30
42	Immunoproteasome deficiency alters retinal proteasome's response to stress. <i>Journal of Neurochemistry</i> , 2010, 113, 1481-1490.	2.1	81
43	Mitochondrial DNA Damage as a Potential Mechanism for Age-Related Macular Degeneration. , 2010, 51, 5470.		200
44	Site-Specific Methionine Oxidation Initiates Calmodulin Degradation by the 20S Proteasome. <i>Biochemistry</i> , 2009, 48, 3005-3016.	1.2	38
45	Immunoproteasome responds to injury in the retina and brain. <i>Journal of Neurochemistry</i> , 2008, 106, 158-169.	2.1	65
46	Carbonic anhydrase III and four-and-a-half LIM protein 1 are preferentially oxidized with muscle unloading. <i>Journal of Applied Physiology</i> , 2008, 105, 1554-1561.	1.2	14
47	Mitochondrial Proteomics of the Retinal Pigment Epithelium at Progressive Stages of Age-Related Macular Degeneration. , 2008, 49, 2848.		168
48	Age-Related Macular Degeneration and Retinal Protein Modification by 4-Hydroxy-2-nonenal. , 2007, 48, 3469.		85
49	Changes in Select Redox Proteins of the Retinal Pigment Epithelium in Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2007, 143, 607-615.e2.	1.7	143
50	Age-dependent inhibition of proteasome chymotrypsin-like activity in the retina. <i>Experimental Eye Research</i> , 2007, 84, 646-654.	1.2	53
51	Transformation of the proteasome with age-related macular degeneration. <i>FEBS Letters</i> , 2007, 581, 885-890.	1.3	73
52	Interaction of Retinal Pigmented Epithelial Cells and CD4 T Cells Leads to T-Cell Anergy. , 2007, 48, 4654.		35
53	Retinal proteins modified by 4-hydroxynonenal: Identification of molecular targets. <i>Experimental Eye Research</i> , 2006, 83, 165-175.	1.2	76
54	Different death stimuli evoke apoptosis via multiple pathways in retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2006, 83, 638-650.	1.2	31

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55	RPE Cells Resist Bystander Killing by CTLs, but Are Highly Susceptible to Antigen-Dependent CTL Killing. , 2006, 47, 5385.		14
56	Proteomics of the Retinal Pigment Epithelium Reveals Altered Protein Expression at Progressive Stages of Age-Related Macular Degeneration. , 2006, 47, 815.		142
57	Myosin and actin expression and oxidation in aging muscle. Journal of Applied Physiology, 2006, 101, 1581-1587.	1.2	63
58	Protein Nitration With Aging in the Rat Semimembranosus and Soleus Muscles. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 806-812.	1.7	46
59	The Proteome of Central and Peripheral Retina with Progression of Age-Related Macular Degeneration. , 2006, 47, 2280.		97
60	Age-related differences in the adaptive potential of type I skeletal muscle fibers. Experimental Gerontology, 2005, 40, 227-235.	1.2	17
61	Declines in Arrestin and Rhodopsin in the Macula with Progression of Age-Related Macular Degeneration. , 2005, 46, 769.		23
62	Altered proteasome structure, function, and oxidation in aged muscle. FASEB Journal, 2005, 19, 1-24.	0.2	215
63	Catalytic site-specific inhibition of the 20S proteasome by 4-hydroxynonenal. FEBS Letters, 2004, 578, 217-223.	1.3	109
64	Altered proteasome function and subunit composition in aged muscle. Archives of Biochemistry and Biophysics, 2004, 421, 67-76.	1.4	176
65	Modified I±A Crystallin in the Retina:Â Altered Expression and Truncation with Agingâ€. Biochemistry, 2003, 42, 15310-15325.	1.2	63
66	Covalent Modification of Epithelial Fatty Acid-binding Protein by 4-Hydroxynonenal in Vitro and in Vivo. Journal of Biological Chemistry, 2002, 277, 50693-50702.	1.6	125
67	Comparable Levels of Ca-ATPase Inhibition by Phospholamban in Slow-Twitch Skeletal and Cardiac Sarcoplasmic Reticulum. Biochemistry, 2002, 41, 13289-13296.	1.2	49
68	Proteasome Function and Protein Oxidation in the Aged Retina. Experimental Eye Research, 2002, 75, 271-284.	1.2	99
69	Proteasome Function and Protein Oxidation in the Aged Retina. , 2002, 75, 271-271.		49
70	Proteasome function and protein oxidation in the aged retina. Experimental Eye Research, 2002, 75, 271-84.	1.2	40
71	Selective Degradation of Oxidized Calmodulin by the 20 S Proteasome. Journal of Biological Chemistry, 2001, 276, 937-943.	1.6	107
72	Repair of Oxidized Calmodulin by Methionine Sulfoxide Reductase Restores Ability To Activate the Plasma Membrane Ca-ATPaseâ€. Biochemistry, 1999, 38, 105-112.	1.2	154

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73	Protein modification during biological aging: selective tyrosine nitration of the SERCA2a isoform of the sarcoplasmic reticulum Ca ²⁺ -ATPase in skeletal muscle. <i>Biochemical Journal</i> , 1999, 340, 657-669.	1.7	267
74	Altered Turnover of Calcium Regulatory Proteins of the Sarcoplasmic Reticulum in Aged Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 1998, 273, 5885-5891.	1.6	88
75	Accumulation of nitrotyrosine on the SERCA2a isoform of SR Ca-ATPase of rat skeletal muscle during aging: a peroxynitrite-mediated process?. <i>FEBS Letters</i> , 1996, 379, 286-290.	1.3	127