

James T Handa

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

10,178
citations

109311

35
h-index

54911

84
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98
all docs

98
docs citations

98
times ranked

19778
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of fetal haemoglobin on systemic oxygenation in preterm infants and the development of retinopathy of prematurity PaclFiHER Report No. 2. <i>British Journal of Ophthalmology</i> , 2023, 107, 380-383.	3.9	5
2	Management of uncomplicated rhegmatogenous retinal detachments: a comparison of practice patterns and clinical outcomes in a real-world setting. <i>Eye</i> , 2023, 37, 684-691.	2.1	6
3	Increased LCN2 (lipocalin 2) in the RPE decreases autophagy and activates inflammasome-ferroptosis processes in a mouse model of dry AMD. <i>Autophagy</i> , 2023, 19, 92-111.	9.1	41
4	Aqueous proteins help predict the response of patients with neovascular age-related macular degeneration to anti-VEGF therapy. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	9
5	Cell Death in AMD: The Rationale for Targeting Fas. <i>Journal of Clinical Medicine</i> , 2022, 11, 592.	2.4	7
6	Vitrectomy versus Vitrectomy with Scleral Buckling in the Treatment of Giant Retinal Tear Related Retinal Detachments. <i>Ophthalmology Retina</i> , 2022, 6, 595-606.	2.4	4
7	Characterization and identification of measurable endpoints in a mouse model featuring age-related retinal pathologies: a platform to test therapies. <i>Laboratory Investigation</i> , 2022, 102, 1132-1142.	3.7	2
8	Visual acuity after cataract surgery in Macular Telangiectasia Type 2 Stage 3 to 5. <i>International Journal of Retina and Vitreous</i> , 2022, 8, .	1.9	0
9	Lower foetal haemoglobin levels at 31- and 34-weeks post menstrual age is associated with the development of retinopathy of prematurity. <i>Eye</i> , 2021, 35, 659-664.	2.1	7
10	Oxidative stress as a therapeutic target for the prevention and treatment of early age-related macular degeneration. <i>Survey of Ophthalmology</i> , 2021, 66, 423-440.	4.0	30
11	β A1-crystallin regulates glucose metabolism and mitochondrial function in mouse retinal astrocytes by modulating PTP1B activity. <i>Communications Biology</i> , 2021, 4, 248.	4.4	10
12	Cigarette Smoke Triggers Loss of Corneal Endothelial Cells and Disruption of Descemet's Membrane Proteins in Mice. , 2021, 62, 3.		5
13	Frequency of Urgent or Emergent Vitreoretinal Surgical Procedures in the United States During the COVID-19 Pandemic. <i>JAMA Ophthalmology</i> , 2021, 139, 456.	2.5	33
14	Patient Use of Dietary Supplements, Home Monitoring, or Genetic Testing for Nonneovascular Age-Related Macular Degeneration. <i>Journal of Vitreoretinal Diseases</i> , 2021, 5, 389-395.	0.7	0
15	β A3/A1-crystallin regulates apical polarity and EGFR endocytosis in retinal pigmented epithelial cells. <i>Communications Biology</i> , 2021, 4, 850.	4.4	13
16	Nrf2 deficiency decreases NADPH from impaired IDH shuttle and pentose phosphate pathway in retinal pigmented epithelial cells to magnify oxidative stress-induced mitochondrial dysfunction. <i>Aging Cell</i> , 2021, 20, e13444.	6.7	32
17	Examining the effects of cigarette smoke on mouse lens through a multi OMIC approach. <i>Scientific Reports</i> , 2021, 11, 18801.	3.3	1
18	BNIP3L-mediated mitophagy is required for mitochondrial remodeling during the differentiation of optic nerve oligodendrocytes. <i>Autophagy</i> , 2021, 17, 3140-3159.	9.1	37

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19	Repair of progressive retinal detachment complicating degenerative retinoschisis: surgical management and outcomes in phakic eyes. <i>International Journal of Retina and Vitreous</i> , 2021, 7, 69.	1.9	0
20	ADVERSE EVENTS OF THE ARGUS II RETINAL PROSTHESIS. <i>Retina</i> , 2020, 40, 303-311.	1.7	18
21	Clarinâ€1 expression in adult mouse and human retina highlights a role of MÃ¼ller glia in Usher syndrome. <i>Journal of Pathology</i> , 2020, 250, 195-204.	4.5	15
22	Modulating EGFR-MTORC1-autophagy as a potential therapy for persistent fetal vasculature (PFV) disease. <i>Autophagy</i> , 2020, 16, 1130-1142.	9.1	12
23	Hypotony and the Argus II retinal prosthesis: causes, prevention and management. <i>British Journal of Ophthalmology</i> , 2020, 104, 518-523.	3.9	6
24	Combination of apolipoprotein-A-I/apolipoprotein-A-I binding protein and anti-VEGF treatment overcomes anti-VEGF resistance in choroidal neovascularization in mice. <i>Communications Biology</i> , 2020, 3, 386.	4.4	15
25	Retinal pigment epithelium transcriptome analysis in chronic smoking reveals a suppressed innate immune response and activation of differentiation pathways. <i>Free Radical Biology and Medicine</i> , 2020, 156, 176-189.	2.9	4
26	Quantitative Ocular Ultrasound Findings in Microbial Keratitis-Associated Endophthalmitis. <i>Ophthalmology Retina</i> , 2020, 4, 560-567.	2.4	6
27	Pink1â€mitophagy and Nrf2â€stress response mediated novel mitochondrial retrograde signaling affects RPE structure and function. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	7
28	LXRs regulate features of age-related macular degeneration and may be a potential therapeutic target. <i>JCI Insight</i> , 2020, 5, .	5.0	33
29	A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. <i>Nature Communications</i> , 2019, 10, 3347.	12.8	192
30	Photoc generation of 11-cis-retinal in bovine retinal pigment epithelium. <i>Journal of Biological Chemistry</i> , 2019, 294, 19137-19154.	3.4	33
31	Neutrophils homing into the retina trigger pathology in early age-related macular degeneration. <i>Communications Biology</i> , 2019, 2, 348.	4.4	37
32	The selective estrogen receptor modulator raloxifene mitigates the effect of all-trans-retinal toxicity in photoreceptor degeneration. <i>Journal of Biological Chemistry</i> , 2019, 294, 9461-9475.	3.4	11
33	The impact of lipids, lipid oxidation, and inflammation on AMD, and the potential role of miRNAs on lipid metabolism in the RPE. <i>Experimental Eye Research</i> , 2019, 181, 346-355.	2.6	71
34	Shortest Distance From Fovea to Subfoveal Hemorrhage Border Is Important in Patients With Neovascular Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2018, 189, 86-95.	3.3	5
35	ATAC-Seq analysis reveals a widespread decrease of chromatin accessibility in age-related macular degeneration. <i>Nature Communications</i> , 2018, 9, 1364.	12.8	124
36	Oxidative Stress Induces an Interactive Decline in <i>Wnt</i> and <i>Nrf2</i> Signaling in Degenerating Retinal Pigment Epithelium. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 389-407.	5.4	24

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37	Quantifying the Rate of Ellipsoid Zone Loss in Stargardt Disease. American Journal of Ophthalmology, 2018, 186, 1-9.	3.3	34
38	Retinal Anatomy and Electrode Array Position in Retinitis Pigmentosa Patients After Argus II Implantation: An International Study. American Journal of Ophthalmology, 2018, 193, 87-99.	3.3	21
39	A Role for Î²A3/A1-Crystallin in Type 2 EMT of RPE Cells Occurring in Dry Age-Related Macular Degeneration. , 2018, 59, AMD104.		62
40	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
41	The impact of oxidative stress and inflammation on RPE degeneration in non-neovascular AMD. Progress in Retinal and Eye Research, 2017, 60, 201-218.	15.5	502
42	Melanoma subtypes demonstrate distinct PD-L1 expression profiles. Laboratory Investigation, 2017, 97, 1063-1071.	3.7	156
43	STARGARDT DISEASE. Retina, 2017, 37, 2352-2361.	1.7	7
44	Lipids, oxidized lipids, oxidation-specific epitopes, and Age-related Macular Degeneration. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 430-440.	2.4	97
45	Pro-permeability Factors in Diabetic Macular Edema; the Diabetic Macular Edema Treated With Ozurdex Trial. American Journal of Ophthalmology, 2016, 168, 13-23.	3.3	56
46	Pentraxin 3 recruits complement factor H to protect against oxidative stress-induced complement and inflammasome overactivation. Journal of Pathology, 2016, 240, 495-506.	4.5	35
47	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
48	An easy, rapid method to isolate RPE cell protein from the mouse eye. Experimental Eye Research, 2016, 145, 450-455.	2.6	39
49	A review of the literature for intra-arterial chemotherapy used to treat retinoblastoma. Pediatric Radiology, 2016, 46, 1223-1233.	2.0	48
50	Biology of p62/sequestosome-1 in Age-Related Macular Degeneration (AMD). Advances in Experimental Medicine and Biology, 2016, 854, 17-22.	1.6	25
51	Lysosomes: Regulators of autophagy in the retinal pigmented epithelium. Experimental Eye Research, 2016, 144, 46-53.	2.6	76
52	Hypoxia-inducible factor 1 upregulation of both VEGF and ANGPTL4 is required to promote the angiogenic phenotype in uveal melanoma. Oncotarget, 2016, 7, 7816-7828.	1.8	102
53	Concise Review: Using Stem Cells to Prevent the Progression of Myopiaâ€”A Concept. Stem Cells, 2015, 33, 2104-2113.	3.2	23
54	EMT-associated factors promote invasive properties of uveal melanoma cells. Molecular Vision, 2015, 21, 919-29.	1.1	26

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55	Lipoprotein(A) with An Intact Lysine Binding Site Protects the Retina From an Age-Related Macular Degeneration Phenotype in Mice (An American Ophthalmological Society Thesis). Transactions of the American Ophthalmological Society, 2015, 113, T5.	1.4	9
56	T Cells and Macrophages Responding to Oxidative Damage Cooperate in Pathogenesis of a Mouse Model of Age-Related Macular Degeneration. PLoS ONE, 2014, 9, e88201.	2.5	56
57	Hypoxia Promotes Uveal Melanoma Invasion through Enhanced Notch and MAPK Activation. PLoS ONE, 2014, 9, e105372.	2.5	50
58	The Demethylating Agent 5-Aza Reduces the Growth, Invasiveness, and Clonogenicity of Uveal and Cutaneous Melanoma. , 2014, 55, 6178.		27
59	Mice That Produce ApoB100 Lipoproteins in the RPE Do Not Develop Drusen yet Are Still a Valuable Experimental System. , 2014, 55, 7285.		27
60	Increased α -synuclein in the retinal pigment epithelium of <i>Cryba1</i> KO mice is associated with a chronic inflammatory response. Aging Cell, 2014, 13, 1091-1094.	6.7	33
61	Nrf2 signaling modulates cigarette smoke-induced complement activation in retinal pigmented epithelial cells. Free Radical Biology and Medicine, 2014, 70, 155-166.	2.9	74
62	NRF2 plays a protective role in diabetic retinopathy in mice. Diabetologia, 2014, 57, 204-213.	6.3	149
63	Oxidative stress induces mitochondrial dysfunction and a protective unfolded protein response in RPE cells. Free Radical Biology and Medicine, 2014, 69, 1-14.	2.9	81
64	A multi-function force sensing instrument for variable admittance robot control in retinal microsurgery. , 2014, 2014, 1411-1418.		63
65	Lysosomal-mediated waste clearance in retinal pigment epithelial cells is regulated by CRYBA1/A3/A1-crystallin via V-ATPase-MTORC1 signaling. Autophagy, 2014, 10, 480-496.	9.1	113
66	p62 provides dual cytoprotection against oxidative stress in the retinal pigment epithelium. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1248-1258.	4.1	76
67	Nrf2 signaling is impaired in the aging RPE given an oxidative insult. Experimental Eye Research, 2014, 119, 111-114.	2.6	176
68	Oxidized Low-Density-Lipoprotein-Induced Injury in Retinal Pigment Epithelium Alters Expression of the Membrane Complement Regulatory Factors CD46 and CD59 through Exosomal and Apoptotic Bleb Release. Advances in Experimental Medicine and Biology, 2014, 801, 259-265.	1.6	30
69	Decreased membrane complement regulators in the retinal pigmented epithelium contributes to age-related macular degeneration. Journal of Pathology, 2013, 229, 729-742.	4.5	113
70	Retinal Microenvironment Imbalance in Dry Age-Related Macular Degeneration: A Mini-Review. Gerontology, 2013, 59, 297-306.	2.8	17
71	Natural History of Age-Related Retinal Lesions That Precede AMD in Mice Fed High or Low Glycemic Index Diets. , 2012, 53, 622.		47
72	Toward Clinically Applicable Steady-Hand Eye Robot for Vitreoretinal Surgery. , 2012, , .		39

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73	How does the macula protect itself from oxidative stress?. <i>Molecular Aspects of Medicine</i> , 2012, 33, 418-435.	6.4	121
74	Glycationâ€“altered proteolysis as a pathobiologic mechanism that links dietary glycemic index, aging, and ageâ€“related disease (in nondiabetics). <i>Aging Cell</i> , 2012, 11, 1-13.	6.7	161
75	Complement factor H binds malondialdehyde epitopes and protects from oxidative stress. <i>Nature</i> , 2011, 478, 76-81.	27.8	469
76	Advanced Glycation Endproduct Changes to Bruch's Membrane Promotes Lipoprotein Retention by Lipoprotein Lipase. <i>American Journal of Pathology</i> , 2011, 179, 850-859.	3.8	23
77	Nrf2 has a protective role against neuronal and capillary degeneration in retinal ischemiaâ€“reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2011, 51, 216-224.	2.9	124
78	Lipids, Lipoproteins, and Age-Related Macular Degeneration. <i>Journal of Lipids</i> , 2011, 2011, 1-14.	4.8	78
79	Cigarette smoking, oxidative stress, the anti-oxidant response through Nrf2 signaling, and Age-related Macular Degeneration. <i>Vision Research</i> , 2010, 50, 652-664.	1.4	161
80	Knockdown of FABP5 mRNA decreases cellular cholesterol levels and results in decreased apoB100 secretion and triglyceride accumulation in ARPE-19 cells. <i>Laboratory Investigation</i> , 2010, 90, 906-914.	3.7	23
81	CTGF Is Increased in Basal Deposits and Regulates Matrix Production through the ERK (p42/p44mapk) MAPK and the p38 MAPK Signaling Pathways. , 2009, 50, 1903.		49
82	Nrf2 is a critical modulator of the innate immune response in a model of uveitis. <i>Free Radical Biology and Medicine</i> , 2009, 47, 300-306.	2.9	67
83	A human apoB100 transgenic mouse expresses human apoB100 in the RPE and develops features of early AMD. <i>Experimental Eye Research</i> , 2009, 88, 1115-1123.	2.6	53
84	Changes in Retinal Pigment Epithelium Related to Cigarette Smoke: Possible Relevance to Smoking as a Risk Factor for Age-Related Macular Degeneration. <i>PLoS ONE</i> , 2009, 4, e3304.	2.5	81
85	Oxidized low density lipoproteins induce a pathologic response by retinal pigmented epithelial cells. <i>Journal of Neurochemistry</i> , 2008, 105, 1187-1197.	3.9	93
86	Chronic Cigarette Smoke Causes Oxidative Damage and Apoptosis to Retinal Pigmented Epithelial Cells in Mice. <i>PLoS ONE</i> , 2008, 3, e3119.	2.5	123
87	New Molecular Histopathologic Insights Into the Pathogenesis of Age-related Macular Degeneration. <i>International Ophthalmology Clinics</i> , 2007, 47, 15-50.	0.7	13
88	Advanced Glycation End Products and Receptors in Fuchsâ€™ Dystrophy Corneas Undergoing Descemetâ€™s Stripping with Endothelial Keratoplasty. <i>Ophthalmology</i> , 2007, 114, 1453-1460.	5.2	54
89	The expression of advanced glycation endproduct receptors in rpe cells associated with basal deposits in human maculas. <i>Experimental Eye Research</i> , 2006, 82, 840-848.	2.6	99
90	Light-Induced Oxidative Stress in Choroidal Endothelial Cells in Mice. , 2005, 46, 1117.		23

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91	Advanced glycation endproduct-induced aging of the retinal pigment epithelium and choroid: A comprehensive transcriptional response. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11846-11851.	7.1	113
92	Ultrastructural Aging of the RPEâ€“Bruchâ€“s Membraneâ€“Choriocapillaris Complex in the Galactoseâ€“Treated Mouse. , 2004, 45, 2348.		45
93	Similarity of mRNA Phenotypes of Morphologically Normal Macular and Peripheral Retinal Pigment Epithelial Cells in Older Human Eyes. , 2004, 45, 3291.		45
94	An Optimized Protocol for First Strand cDNA Synthesis from Laser Capture Microdissected Tissue. Laboratory Investigation, 2001, 81, 1167-1169.	3.7	15
95	The Advanced Glycation Endproduct Pentosidine Induces the Expression of PDGF-B in Human Retinal Pigment Epithelial Cells. Experimental Eye Research, 1998, 66, 411-419.	2.6	52
96	Clearance of antitransferrin receptor immunotoxin from the rabbit eye. Current Eye Research, 1996, 15, 1039-1044.	1.5	1