

Elia J Duh

List of Publications by Year in descending order

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52
papers

4,816
citations

147566

31
h-index

253896

43
g-index

52
all docs

52
docs citations

52
times ranked

6757
citing authors

#	ARTICLE	IF	CITATIONS
1	Diabetic retinopathy: current understanding, mechanisms, and treatment strategies. JCI Insight, 2017, 2, .	2.3	662
2	Diabetic Retinopathy: A Position Statement by the American Diabetes Association. Diabetes Care, 2017, 40, 412-418.	4.3	596
3	Pigment epithelium-derived factor inhibits retinal and choroidal neovascularization. Journal of Cellular Physiology, 2001, 188, 253-263.	2.0	326
4	ACE2 and TMPRSS2 are expressed on the human ocular surface, suggesting susceptibility to SARS-CoV-2 infection. Ocular Surface, 2020, 18, 537-544.	2.2	262
5	Nanoparticle diffusion in, and microrheology of, the bovine vitreous ex vivo. Journal of Controlled Release, 2013, 167, 76-84.	4.8	233
6	Pigment epithelium-derived factor suppresses ischemia-induced retinal neovascularization and VEGF-induced migration and growth. Investigative Ophthalmology and Visual Science, 2002, 43, 821-9.	3.3	230
7	TNF α Is Required for Late BRB Breakdown in Diabetic Retinopathy, and Its Inhibition Prevents Leukostasis and Protects Vessels and Neurons from Apoptosis. , 2011, 52, 1336.		189
8	AAV-mediated gene transfer of pigment epithelium-derived factor inhibits choroidal neovascularization. Investigative Ophthalmology and Visual Science, 2002, 43, 1994-2000.	3.3	168
9	Acellular and cellular approaches to improve diabetic wound healing. Advanced Drug Delivery Reviews, 2019, 146, 267-288.	6.6	150
10	NRF2 plays a protective role in diabetic retinopathy in mice. Diabetologia, 2014, 57, 204-213.	2.9	149
11	Nrf2 has a protective role against neuronal and capillary degeneration in retinal ischemia-reperfusion injury. Free Radical Biology and Medicine, 2011, 51, 216-224.	1.3	124
12	Deletion of Placental Growth Factor Prevents Diabetic Retinopathy and Is Associated With Akt Activation and HIF1 α -VEGF Pathway Inhibition. Diabetes, 2015, 64, 200-212.	0.3	119
13	Exosomal MicroRNA-15a Transfer from the Pancreas Augments Diabetic Complications by Inducing Oxidative Stress. Antioxidants and Redox Signaling, 2017, 27, 913-930.	2.5	100
14	Scatter Photocoagulation Does Not Reduce Macular Edema or Treatment Burden in Patients with Retinal Vein Occlusion. Ophthalmology, 2015, 122, 1426-1437.	2.5	98
15	Periocular Gene Transfer of Flt-1 Suppresses Ocular Neovascularization and Vascular Endothelial Growth Factor-Induced Breakdown of the Blood-Retinal Barrier. Human Gene Therapy, 2003, 14, 129-141.	1.4	89
16	Nrf2 acts cell-autonomously in endothelium to regulate tip cell formation and vascular branching. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3910-8.	3.3	87
17	Vitreous levels of pigment epithelium-derived factor and vascular endothelial growth factor: implications for ocular angiogenesis. American Journal of Ophthalmology, 2004, 137, 668-674.	1.7	81
18	VEGF selectively induces Down syndrome critical region 1 gene expression in endothelial cells: a mechanism for feedback regulation of angiogenesis?. Biochemical and Biophysical Research Communications, 2004, 321, 648-656.	1.0	79

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19	Nrf2 in ischemic neurons promotes retinal vascular regeneration through regulation of semaphorin 6A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6927-36.	3.3	67
20	Monomethyl fumarate promotes Nrf2-dependent neuroprotection in retinal ischemia-reperfusion. <i>Journal of Neuroinflammation</i> , 2015, 12, 239.	3.1	64
21	A Mouse Model of Retinal Ischemia-Reperfusion Injury Through Elevation of Intraocular Pressure. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	62
22	Neuroprotective role of Nrf2 for retinal ganglion cells in ischemia-reperfusion. <i>Journal of Neurochemistry</i> , 2015, 133, 233-241.	2.1	56
23	Transcription Factor MEF2C Suppresses Endothelial Cell Inflammation via Regulation of NF- κ B and KLF2. <i>Journal of Cellular Physiology</i> , 2015, 230, 1310-1320.	2.0	55
24	Novel Targets Against Retinal Angiogenesis in Diabetic Retinopathy. <i>Current Diabetes Reports</i> , 2012, 12, 355-363.	1.7	54
25	Vascular Endothelial Growth Factor Induces MEF2C and MEF2-Dependent Activity in Endothelial Cells. , 2008, 49, 3640.		51
26	Nrf2 protects photoreceptor cells from photo-oxidative stress induced by blue light. <i>Experimental Eye Research</i> , 2017, 154, 151-158.	1.2	51
27	Nrf2 promotes reparative angiogenesis through regulation of NADPH oxidase-2 in oxygen-induced retinopathy. <i>Free Radical Biology and Medicine</i> , 2016, 99, 234-243.	1.3	50
28	Controlled release of corticosteroid with biodegradable nanoparticles for treating experimental autoimmune uveitis. <i>Journal of Controlled Release</i> , 2019, 296, 68-80.	4.8	50
29	Inhibition of pathological retinal angiogenesis by the integrin α 5 β 1 antagonist tetraiodothyroacetic acid (tetrac). <i>Experimental Eye Research</i> , 2012, 94, 41-48.	1.2	48
30	MEF2C Ablation in Endothelial Cells Reduces Retinal Vessel Loss and Suppresses Pathologic Retinal Neovascularization in Oxygen-Induced Retinopathy. <i>American Journal of Pathology</i> , 2012, 180, 2548-2560.	1.9	43
31	Vascular Endothelial Growth Factor Upregulates Expression of ADAMTS1 in Endothelial Cells through Protein Kinase C Signaling. , 2006, 47, 4059.		40
32	Tissue Factor Pathway Inhibitor-2 Is Upregulated by Vascular Endothelial Growth Factor and Suppresses Growth Factor-Induced Proliferation of Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2819-2825.	1.1	40
33	Upregulation of placental growth factor by vascular endothelial growth factor via a post-transcriptional mechanism. <i>FEBS Letters</i> , 2005, 579, 1227-1234.	1.3	34
34	Adaptation of the master antioxidant response connects metabolism, lifespan and feather development pathways in birds. <i>Nature Communications</i> , 2020, 11, 2476.	5.8	34
35	Pigment epithelium-derived factor inhibits retinal microvascular dysfunction induced by 12/15-lipoxygenase-derived eicosanoids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 290-298.	1.2	33
36	Expression of the SARS-CoV-2 Receptor ACE2 in Human Retina and Diabetes-Related Implications for Retinopathy. , 2021, 62, 6.		33

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37	Plasma Vascular Endothelial Growth Factor Concentrations after Intravitreal Anti-VEGF Vascular Endothelial Growth Factor Therapy for Diabetic Macular Edema. <i>Ophthalmology</i> , 2018, 125, 1054-1063.	2.5	32
38	Inhibition of the Keap1-Nrf2 protein-protein interaction protects retinal cells and ameliorates retinal ischemia-reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2020, 146, 181-188.	1.3	31
39	iPSC-derived endothelial cell response to hypoxia via SDF1a/CXCR4 axis facilitates incorporation to revascularize ischemic retina. <i>JCI Insight</i> , 2020, 5, .	2.3	31
40	Persistence of fetal vasculature in a patient with Knobloch syndrome. <i>Ophthalmology</i> , 2004, 111, 1885-1888.	2.5	21
41	Long-term Survival in a Patient With Uveal Melanoma and Liver Metastasis. <i>JAMA Ophthalmology</i> , 2004, 122, 285.	2.6	18
42	Aged Nrf2-Null Mice Develop All Major Types of Age-Related Cataracts. , 2021, 62, 10.		13
43	Dendrimer-Triamcinolone Acetonide Reduces Neuroinflammation, Pathological Angiogenesis, and Neuroretinal Dysfunction in Ischemic Retinopathy. <i>Advanced Therapeutics</i> , 2021, 4, 2000181.	1.6	12
44	Myeloid cell modulation by a GLP-1 receptor agonist regulates retinal angiogenesis in ischemic retinopathy. <i>JCI Insight</i> , 2021, 6, .	2.3	11
45	In vivo characterization of emerging SARS-CoV-2 variant infectivity and human antibody escape potential. <i>Cell Reports</i> , 2021, 37, 109838.	2.9	8
46	Induction of endothelial RAGE expression in pterygium. <i>Molecular Vision</i> , 2014, 20, 1740-8.	1.1	8
47	A Novel Mechanism for Glucocorticoid-Induced Tightening of Endothelial Barriers. , 2013, 54, 4016.		7
48	Seeking clarity on retinal findings in patients with COVID-19. <i>Lancet, The</i> , 2020, 396, e39.	6.3	7
49	Evolutionary pathways to SARS-CoV-2 resistance are opened and closed by epistasis acting on ACE2. <i>PLoS Biology</i> , 2021, 19, e3001510.	2.6	7
50	Retinal Neovascularization and the Role of VEGF. , 2008, , 353-373.		3
51	Reply. <i>Ophthalmology</i> , 2016, 123, e33-e34.	2.5	0
52	Reply. <i>Ophthalmology</i> , 2018, 125, e82.	2.5	0