Amir H Kashani

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	3,550 citations	304368 22 h-index	174990 52 g-index
63 all docs	63 docs citations	63 times ranked	3637 citing authors

#	Article	IF	Citations
1	Capillary density and caliber as assessed by optical coherence tomography angiography may be significant predictors of diabetic retinopathy severity. PLoS ONE, 2022, 17, e0262996.	1.1	5
2	OCTA Derived Vessel Skeleton Density Versus Flux and Their Associations With Systemic Determinants of Health. , 2022, 63, 19.		11
3	Survival of an HLA-mismatched, bioengineered RPE implant in dry age-related macular degeneration. Stem Cell Reports, 2022, 17, 448-458.	2.3	20
4	Stem cell-derived retinal pigment epithelium transplantation in age-related macular degeneration: recent advances and challenges. Current Opinion in Ophthalmology, 2022, 33, 211-218.	1.3	8
5	Recommendations for OCT Angiography Reporting in Retinal Vascular Disease. Ophthalmology Retina, 2022, 6, 753-761.	1.2	16
6	Promises and Pitfalls of Retinal Biomarkers in Systemic Health and Disease. JAMA Ophthalmology, 2022, 140, 817.	1.4	2
7	Retinal imaging demonstrates reduced capillary density in clinically unimpaired APOE Îµ4 gene carriers. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12181.	1.2	14
8	Abnormal retinal capillary blood flow in autosomal dominant Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12162.	1.2	7
9	Relating Retinal Vascular Oxygen Saturation and Microvasculature Morphology at Progressive Stages of Diabetic Retinopathy. Translational Vision Science and Technology, 2021, 10, 4.	1.1	3
10	Past, present and future role of retinal imaging in neurodegenerative disease. Progress in Retinal and Eye Research, 2021, 83, 100938.	7.3	60
11	Optical Coherence Tomography Angiographyâ€“Derived Flux As a Measure of Physiological Changes in Retinal Capillary Blood Flow. Translational Vision Science and Technology, 2021, 10, 5.	1.1	12
12	Standardization of OCT Angiography Nomenclature in Retinal Vascular Diseases: First Survey Results. Ophthalmology Retina, 2021, 5, 981-990.	1.2	24
13	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. Alzheimer's and Dementia, 2021, 17, 716-725.	0.4	45
14	One-Year Follow-Up in a Phase 1/2a Clinical Trial of an Allogeneic RPE Cell Bioengineered Implant for Advanced Dry Age-Related Macular Degeneration. Translational Vision Science and Technology, 2021, 10, 13.	1.1	37
15	Ocular and systemic determinants of perifoveal and macular vessel parameters in healthy African Americans. British Journal of Ophthalmology, 2021, , bjophthalmol-2021-319675.	2.1	5
16	3D Shape Modeling and Analysis of Retinal Microvasculature in OCT-Angiography Images. IEEE Transactions on Medical Imaging, 2020, 39, 1335-1346.	5.4	45
17	Surgical Method for Implantation of a Biosynthetic Retinal Pigment Epithelium Monolayer for Geographic Atrophy: Experience from a Phase 1/2a Study. Ophthalmology Retina, 2020, 4, 264-273.	1.2	48
18	Quantifying Subclinical and Longitudinal Microvascular Changes Following Episcleral Plaque Brachytherapy Using Spectral Domainâ€“Optical Coherence Tomography Angiography. Journal of Vitreoretinal Diseases, 2020, 4, 499-508.	0.2	11

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19	3D Retinal Vessel Density Mapping With OCT-Angiography. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3466-3479.	3.9	13
20	Impaired layer specific retinal vascular reactivity among diabetic subjects. PLoS ONE, 2020, 15, e0233871.	1.1	11
21	Lower retinal capillary density in minimal cognitive impairment among older Latinx adults. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12071.	1.2	10
22	A recommended â€œminimum data setâ€•framework for SDâ€ŌCT retinal image acquisition and analysis from the Atlas of Retinal Imaging in Alzheimer's Study (ARIAS). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12119.	1.2	3
23	Retinal Vascular Reactivity as Assessed by Optical Coherence Tomography Angiography. Journal of Visualized Experiments, 2020, , .	0.2	9
24	Classification of advanced and early stages of diabetic retinopathy from non-diabetic subjects by an ordinary least squares modeling method applied to OCTA images. Biomedical Optics Express, 2020, 11, 4666.	1.5	8
25	Pseudoflow with OCT Angiography in Eyes with Hard Exudates and Macular Drusen. Translational Vision Science and Technology, 2019, 8, 50.	1.1	16
26	Impaired Retinal Vascular Reactivity in Diabetic Retinopathy as Assessed by Optical Coherence Tomography Angiography. , 2019, 60, 2468.		27
27	Effect of Scan Size on Glaucoma Diagnostic Performance Using OCT Angiography En Face Images of the Radial Peripapillary Capillaries. Journal of Glaucoma, 2019, 28, 465-472.	0.8	20
28	Subretinal Implantation of aÂHuman Embryonic Stem Cell-Derived Retinal Pigment Epithelium Monolayer in aÂPorcine Model. Advances in Experimental Medicine and Biology, 2019, 1185, 569-574.	0.8	10
29	3D Surface-Based Geometric and Topological Quantification of Retinal Microvasculature in OCT-Angiography via Reeb Analysis. Lecture Notes in Computer Science, 2019, , 57-65.	1.0	3
30	3D Surface-Based Geometric and Topological Quantification of Retinal Microvasculature in OCT-Angiography via Reeb Analysis. , 2019, 11764, 57-65.		0
31	A bioengineered retinal pigment epithelial monolayer for advanced, dry age-related macular degeneration. Science Translational Medicine, 2018, 10, .	5.8	261
32	Structural and Functional Associations of Macular Microcirculation in the Ganglion Cell-Inner Plexiform Layer in Glaucoma Using Optical Coherence Tomography Angiography. Journal of Glaucoma, 2018, 27, 281-290.	0.8	44
33	Suspended Scattering Particles in Motion: A Novel Feature of OCT Angiography in Exudative Maculopathies. Ophthalmology Retina, 2018, 2, 694-702.	1.2	56
34	Diagnostic Performance of Macular Versus Peripapillary Vessel Parameters by Optical Coherence Tomography Angiography for Glaucoma. Translational Vision Science and Technology, 2018, 7, 21.	1.1	34
35	Normative Retinal Thicknesses in Common Animal Models of Eye Disease Using Spectral Domain Optical Coherence Tomography. Advances in Experimental Medicine and Biology, 2018, 1074, 157-166.	0.8	18
36	THE SECOND BLIND SPOT: SMALL RETINAL VESSEL VASCULOPATHY AFTER VACCINATION AGAINST NEISSERIA MENINGITIDIS AND YELLOW FEVER. Retinal Cases and Brief Reports, 2017, 11, S18-S23.	0.3	21

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37	Optical coherence tomography angiography: A comprehensive review of current methods and clinical applications. Progress in Retinal and Eye Research, 2017, 60, 66-100.	7.3	675
38	Surgically Induced Focal Retinal Detachment Does Not Cause Detectable SD-OCT Retinal Changes in Normal Human Retina. , 2017, 58, 5270.		3
39	Quantitative microvascular analysis of retinal venous occlusions by spectral domain optical coherence tomography angiography. PLoS ONE, 2017, 12, e0176404.	1.1	79
40	Spatial Variations in Vitreous Oxygen Consumption. PLoS ONE, 2016, 11, e0149961.	1.1	10
41	Quantifying Microvascular Density and Morphology in Diabetic Retinopathy Using Spectral-Domain Optical Coherence Tomography Angiography. , 2016, 57, OCT362.		408
42	Stem Cell Therapy in Nonneovascular Age-Related Macular Degeneration. , 2016, 57, ORSFm1.		16
43	Subretinal implantation of a monolayer of human embryonic stem cell-derived retinal pigment epithelium: a feasibility and safety study in YucatÃ¡n minipigs. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1553-1565.	1.0	75
44	The tipping point: Tamoxifen toxicity, central serous chorioretinopathy, and the role of estrogen and its receptors. American Journal of Ophthalmology Case Reports, 2016, 3, 8-13.	0.4	11
45	Quantifying Retinal Microvascular Changes in Uveitis Using Spectral-Domain Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2016, 171, 101-112.	1.7	140
46	Optical Coherence Tomography Angiography of Diabetic Retinopathy in Human Subjects. Ophthalmic Surgery Lasers and Imaging Retina, 2015, 46, 796-805.	0.4	162
47	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF RETINAL VENOUS OCCLUSION. Retina, 2015, 35, 2323-2331.	1.0	143
48	Stem cell based therapies for age-related macular degeneration: The promises and the challenges. Progress in Retinal and Eye Research, 2015, 48, 1-39.	7.3	167
49	LONGITUDINAL OPTICAL DENSITY ANALYSIS OF SUBRETINAL FLUID AFTER SURGICAL REPAIR OF RHEGMATOGENOUS RETINAL DETACHMENT. Retina, 2015, 35, 149-156.	1.0	16
50	NONINVASIVE ASSESSMENT OF RETINAL VASCULAR OXYGEN CONTENT AMONG NORMAL AND DIABETIC HUMAN SUBJECTS. Retina, 2014, 34, 1854-1860.	1.0	33
51	Diversity of Retinal Vascular Anomalies in Patients with Familial Exudative Vitreoretinopathy. Ophthalmology, 2014, 121, 2220-2227.	2.5	140
52	OCT Angiography in Healthy Human Subjects. Ophthalmic Surgery Lasers and Imaging Retina, 2014, 45, 510-515.	0.4	195
53	Quantitative Analysis of Retinal Structures Using Spectral Domain Optical Coherence Tomography in Normal Rabbits. Current Eye Research, 2013, 38, 299-304.	0.7	9
54	Dual-frequency acoustic cavitation for noninvasively breaking down a cataractous lens. , 2012, , .		0

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55	Acute Variations in Retinal Vascular Oxygen Content in a Rabbit Model of Retinal Venous Occlusion. PLoS ONE, 2012, 7, e50179.	1.1	10
56	Hyperspectral Computed Tomographic Imaging Spectroscopy of Vascular Oxygen Gradients in the Rabbit Retina In Vivo. PLoS ONE, 2011, 6, e24482.	1.1	28
57	Bilateral Klebsiella pneumoniae (K1 Serotype) Endogenous Endophthalmitis as the Presenting Sign of Disseminated Infection. Ophthalmic Surgery Lasers and Imaging Retina, 2011, 42, e12-4.	0.4	6
58	Retinal Thickness Analysis by Race, Gender, and Age Using Stratus OCT. American Journal of Ophthalmology, 2010, 149, 496-502.e1.	1.7	153
59	Quantitative Subanalysis of Cystoid Spaces and Outer Nuclear Layer Using Optical Coherence Tomography in Age-Related Macular Degeneration. , 2009, 50, 3366.		52
60	Calcium Activation of the LMO4 Transcription Complex and Its Role in the Patterning of Thalamocortical Connections. Journal of Neuroscience, 2006, 26, 8398-8408.	1.7	79