

# Konstantin E Kotliar

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,228  
citations

471509

17  
h-index

414414

32  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of cardiovascular high-risk groups from dynamic retinal vessel signals using untargeted machine learning. <i>Cardiovascular Research</i> , 2022, 118, 612-621.	3.8	8
2	Cognitive impairment and microvascular function in end-stage renal disease. <i>International Journal of Methods in Psychiatric Research</i> , 2022, 31, e1909.	2.1	2
3	Mortality prediction of retinal vessel diameters and function in a long-term follow-up of haemodialysis patients. <i>Cardiovascular Research</i> , 2022, 118, 3239-3249.	3.8	5
4	Ocular Rigidity: Clinical Approach. , 2021, , 15-43.		0
5	Delayed retinal vein recovery responses indicate both non-adaptation to stress as well as increased risk for stroke: the SABPA study. <i>Cardiovascular Journal of Africa</i> , 2021, 32, 7-18.	0.4	5
6	Retinal Vessel Responses to Flicker Stimulation Are Impaired in Cav2.3-Deficient Mice—An in-vivo Evaluation Using Retinal Vessel Analysis (RVA). <i>Frontiers in Neurology</i> , 2021, 12, 659890.	2.4	3
7	Does hemispheric vascular regulation differ significantly in glaucoma patients with altitudinal visual field asymmetry? A single-center, prospective study. <i>International Ophthalmology</i> , 2021, 41, 3109-3119.	1.4	3
8	Non-invasive Assessment of Neurovascular Coupling After Aneurysmal Subarachnoid Hemorrhage: A Prospective Observational Trial Using Retinal Vessel Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 690183.	2.4	4
9	Neuroscience20 (BRAIN20, SPINE20, and MENTAL20) Health Initiative: A Global Consortium Addressing the Human and Economic Burden of Brain, Spine, and Mental Disorders Through Neurotech Innovations and Policies. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 1563-1601.	2.6	8
10	Changes in endogenous daytime melatonin levels after aneurysmal subarachnoid hemorrhage — Preliminary findings from an observational cohort study. <i>Clinical Neurology and Neurosurgery</i> , 2021, 208, 106870.	1.4	2
11	Retinal vessel caliber and caliber responses in true normotensive black and white adults: The African-PREDICT study. <i>Microvascular Research</i> , 2020, 128, 103937.	2.5	9
12	Retinal endothelial function in cardiovascular risk patients: A randomized controlled exercise trial. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 272-280.	2.9	9
13	The peculiar internal microstructure of retinal arteries as a biomarker for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e043549.	0.8	0
14	Altered cerebral vessel amplitude and oscillation frequencies in Alzheimer's disease compatible with impaired amyloid clearance. <i>Alzheimer's and Dementia</i> , 2020, 16, e044460.	0.8	0
15	Retinal microvasculature and masked hypertension in young adults: the African-PREDICT study. <i>Hypertension Research</i> , 2020, 43, 1231-1238.	2.7	2
16	Surgical nuances and placement of subgaleal drains for supratentorial procedures—a prospective analysis of efficacy and outcome in 150 craniotomies. <i>Acta Neurochirurgica</i> , 2020, 162, 729-736.	1.7	10
17	Quantification of Choroidal Blood Flow Using the OCT-A System Based on Voxel Scan Processing. , 2020, , .		1
18	Retinal Endothelial Function, Physical Fitness and Cardiovascular Risk: A Diagnostic Challenge. <i>Frontiers in Physiology</i> , 2019, 10, 831.	2.8	9

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19	Modulation of Cav2.3 channels by unconjugated bilirubin (UCB) â€™ Candidate mechanism for UCB-induced neuromodulation and neurotoxicity. <i>Molecular and Cellular Neurosciences</i> , 2019, 96, 35-46.	2.2	9
20	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. <i>Circulation Research</i> , 2019, 124, 1796-1807.	4.5	44
21	Suture-Probe Canaloplasty as an Alternative to Canaloplasty Using the iTrack Microcatheter. <i>Journal of Glaucoma</i> , 2019, 28, 811-817.	1.6	7
22	&lt;p&gt;Decreased Vascular Pulsatility in Alzheimerâ€™s Disease Dementia Measured by Transcranial Color-Coded Duplex Sonography&lt;/p&gt;. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 3487-3499.	2.2	4
23	The CD63 basophil activation test as a diagnostic tool for assessing autoimmunity in patients with chronic spontaneous urticaria. <i>European Journal of Dermatology</i> , 2019, 29, 614-618.	0.6	8
24	Unconjugated bilirubin modulates neuronal signaling only in wildâ€™type mice, but not after ablation of the Râ€™type/Ca<sub>v</sub>2.3 voltageâ€™gated calcium channel. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 222-230.	3.9	6
25	False spectra formation in the differential two-channel scheme of the laser Doppler flowmeter. <i>Biomedizinische Technik</i> , 2018, 63, 439-444.	0.8	4
26	Vasoconstriction and Impairment of Neurovascular Coupling after Subarachnoid Hemorrhage: a Descriptive Analysis of Retinal Changes. <i>Translational Stroke Research</i> , 2018, 9, 284-293.	4.2	10
27	P43 MASKED HYPERTENSION AND RETINAL VESSEL STRUCTURE AND FUNCTION IN YOUNG HEALTHY ADULTS: THE AFRICAN-PREDICT STUDY. <i>Artery Research</i> , 2018, 24, 90.	0.6	0
28	Non-invasive evaluation of neurovascular coupling in the murine retina by dynamic retinal vessel analysis. <i>PLoS ONE</i> , 2018, 13, e0204689.	2.5	13
29	Surgical Site Infections After Dermatologic Surgery in Immunocompromised Patients: A Single-Center Experience. <i>Dermatologic Surgery</i> , 2018, 44, 1525-1536.	0.8	22
30	Altered neurovascular coupling as measured by optical imaging: a biomarker for Alzheimerâ€™s disease. <i>Scientific Reports</i> , 2017, 7, 12906.	3.3	56
31	[P3â€™332]: ALTERED CEREBRAL VESSEL OSCILLATION FREQUENCIES AS A POSSIBLE CAUSE OF IMPAIRED AMYLOID CLEARANCE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1080.	0.8	0
32	[P1â€™371]: MULTIPLEâ€™STIMULUS HEMODYNAMIC RESPONSE FUNCTION IN PATIENTS WITH PRODROMAL ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P403.	0.8	0
33	Electroretinographic Assessment of Inner Retinal Signaling in the Isolated and Superfused Murine Retina. <i>Current Eye Research</i> , 2017, 42, 1518-1526.	1.5	10
34	Retinal Vessel Analysis (RVA) in the Context of Subarachnoid Hemorrhage - A Proof of Concept Study. <i>PLoS ONE</i> , 2016, 11, e0158781.	2.5	10
35	O3â€™12â€™04: The Usefulness of Dynamic Retinal Vessel Reaction to Flickering Light as a Biomarker for Alzheimer's Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P318.	0.8	0
36	7.5 RETINAL VESSEL RESPONSES TO FLICKERING LIGHT PROVOCATION IN A COHORT OF BLACK AND WHITE TEACHERS: THE SABPA STUDY. <i>Artery Research</i> , 2016, 16, 63.	0.6	0

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37	P3-167: Transcranial Doppler Ultrasound: A Promising Non-Invasive Biomarker for the Diagnosis of Alzheimer's Disease. , 2016, 12, P883-P883.		0
38	Rationale and study design of the prospective, longitudinal, observational cohort study of stratification in end-stage renal disease (ISAR) study. BMC Nephrology, 2016, 17, 161.	1.8	21
39	Dynamische retinale Gefäßreaktion bei Hämodialysepatienten. Nieren- Und Hochdruckkrankheiten, 2015, 44, 480.	0.0	0
40	Computer simulation of the cornea-scleral shell as applied to pressure-volume relationship in the human eye. , 2014, , .		0
41	Monitoring intraocular pressure changes after intravitreal anibizumab injection using rebound tonometry. Ophthalmic and Physiological Optics, 2014, 34, 438-444.	2.0	16
42	Mediated-reality magnification for macular degeneration rehabilitation. Journal of Modern Optics, 2014, 61, 1400-1408.	1.3	10
43	Retinal Pulse Wave Velocity in Young Male Normotensive and Mildly Hypertensive Subjects. Microcirculation, 2013, 20, 405-415.	1.8	23
44	Arterial and Retinal Vascular Changes in Hypertensive and Prehypertensive Adolescents. American Journal of Hypertension, 2013, 26, 400-408.	2.0	28
45	Changes in the foveal microstructure after intravitreal bevacizumab application in patients with retinal vascular disease. Clinical Ophthalmology, 2013, 7, 173.	1.8	35
46	Does Increased Blood Pressure Rather Than Aging Influence Retinal Pulse Wave Velocity?. , 2012, 53, 2119.		20
47	Can Vascular Function Be Assessed by the Interpretation of Retinal Vascular Diameter Changes?. , 2011, 52, 635.		1
48	Dynamic retinal vessel response to flicker in obesity: A methodological approach. Microvascular Research, 2011, 81, 123-128.	2.5	69
49	Dynamic retinal vessel response to flicker in age-related macular degeneration patients before and after vascular endothelial growth factor inhibitor injection. Acta Ophthalmologica, 2011, 89, 472-479.	1.1	23
50	Exercise-induced alterations of retinal vessel diameters and cardiovascular risk reduction in obesity. Atherosclerosis, 2011, 216, 433-439.	0.8	80
51	Non-penetrating intracanalicular partial trabeculectomy via the ostia of Schlemm's canal. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 565-573.	1.9	5
52	Air-pulse corneal applanation signal curve parameters for the characterisation of keratoconus. British Journal of Ophthalmology, 2011, 95, 793-798.	3.9	65
53	Pulse wave velocity in retinal arteries of healthy volunteers. British Journal of Ophthalmology, 2011, 95, 675-679.	3.9	35
54	Structural Alterations of Retinal Arterioles in Adults Late After Repair of Aortic Isthmic Coarctation. American Journal of Cardiology, 2010, 105, 740-744.	1.6	8

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55	Microstructural Alterations of Retinal Arterial Blood Column along the Vessel Axis in Systemic Hypertension. , 2010, 51, 2165.		17
56	Use of the retinal vessel analyzer in ocular blood flow research. Acta Ophthalmologica, 2010, 88, 717-722.	1.1	178
57	Postoperative aqueous outflow in the human eye after glaucoma filtration surgery: biofluidmechanical considerations. Biomedizinische Technik, 2009, 54, 14-22.	0.8	10
58	Non-Diabetic Chronic Kidney Disease Influences Retinal Microvasculature. Kidney and Blood Pressure Research, 2009, 32, 428-433.	2.0	15
59	Functional retinal changes in Gaucher disease. Documenta Ophthalmologica, 2009, 118, 151-154.	2.2	23
60	Myeloid-related protein 8/14 complex describes microcirculatory alterations in patients with type 2 diabetes and nephropathy. Cardiovascular Diabetology, 2009, 8, 10.	6.8	35
61	Functional <i>in vivo</i> assessment of retinal artery microirregularities in glaucoma. Acta Ophthalmologica, 2008, 86, 424-433.	1.1	10
62	Intraocular Pressure Effects of Pegaptanib (Macugen) Injections in Patients With and Without Glaucoma. American Journal of Ophthalmology, 2008, 145, 185.	3.3	3
63	Intravitreal injection of triamcinolone acetonide and intraocular pressure: author's reply. Acta Ophthalmologica, 2008, 86, 692-693.	1.1	2
64	Effect of Aging on Retinal Artery Blood Column Diameter Measured along the Vessel Axis. , 2008, 49, 2094.		22
65	Effect of intravitreal injections and volume changes on intraocular pressure: clinical results and biomechanical model. Acta Ophthalmologica, 2007, 85, 777-781.	0.3	101
66	Retinal vessel reaction in response to chromatic flickering light. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 377-392.	1.9	59