

Revised formulas for summarizing retinal vessel diame

Current Eye Research

27, 143-149

DOI: [10.1076/ceyr.27.3.143.16049](https://doi.org/10.1076/ceyr.27.3.143.16049)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Multi-Ethnic Study of Atherosclerosis: Objectives and Design. American Journal of Epidemiology, 2002, 156, 871-881.	1.6	3,068
3	Familial Aggregation of Retinal Vessel Caliber in the Beaver Dam Eye Study. , 2004, 45, 3929.		34
4	Crunching the numbers. BMJ: British Medical Journal, 2004, 329, 82.	2.4	2
5	Prospective cohort study of retinal vessel diameters and risk of hypertension. BMJ: British Medical Journal, 2004, 329, 79.	2.4	220
6	Are Retinal Arteriolar or Venular Diameters Associated with Markers for Cardiovascular Disorders? The Rotterdam Study. , 2004, 45, 2129.		455
7	A Prospective Cohort Study of Retinal Arteriolar Narrowing and Mortality. American Journal of Epidemiology, 2004, 159, 819-825.	1.6	48
9	Hypertensive retinopathy: there's more than meets the eye. Journal of Hypertension, 2005, 23, 683-696.	0.3	36
10	Systemic associations of retinal microvascular signs: a review of recent population-based studies. Ophthalmic and Physiological Optics, 2005, 25, 195-204.	1.0	103
11	Retinal Vessel Diameters and Incident Open-Angle Glaucoma and Optic Disc Changes: The Rotterdam Study. , 2005, 46, 1182.		47
13	Retinal Arteriolar Narrowing, Hypertension, and Subsequent Risk of Diabetes Mellitus. Archives of Internal Medicine, 2005, 165, 1060.	4.3	124
14	Retinal Vessel Diameters and the Risk of Incident Age-Related Macular DiseaseThe Rotterdam study. Ophthalmology, 2005, 112, 548-552.	2.5	30
15	Estrogen Replacement Therapy and Retinal Vascular Caliber. Ophthalmology, 2005, 112, 553-558.	2.5	28
16	Medication use and retinal vessel diameters. American Journal of Ophthalmology, 2005, 139, 373-375.	1.7	22
17	Comparison of Retinal Vessel Measurements in Digital vs Film Images. American Journal of Ophthalmology, 2006, 142, 875-878.	1.7	10
18	Ophthalmoparesis in Idiopathic Intracranial Hypertension. American Journal of Ophthalmology, 2006, 142, 878-880.	1.7	30
19	Retinal vessel dilation following repletion of vitamin A deficiency. Experimental Eye Research, 2006, 82, 349-350.	1.2	0
20	Retinal Vascular Caliber in Persons with Type 2 DiabetesThe Wisconsin Epidemiological Study of Diabetic Retinopathy: XX. Ophthalmology, 2006, 113, 1488-1498.	2.5	135
21	Ophthalmologic Findings in Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy. Ophthalmology, 2006, 113, 1411-1417.e2.	2.5	40

#	ARTICLE	IF	CITATIONS
22	Retinal Vascular Caliber and Risk of Retinopathy in Young Patients with Type 1 Diabetes. Ophthalmology, 2006, 113, 1499-1503.	2.5	76
23	Heritability of Retinal Vessel Diameters and Blood Pressure: A Twin Study. , 2006, 47, 3539.		71
24	Retinal Vascular Caliber, Cardiovascular Risk Factors, and Inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA). , 2006, 47, 2341.		531
25	Are retinal microvascular abnormalities associated with large artery endothelial dysfunction and intima-media thickness? The Hoorn Study. Clinical Science, 2006, 110, 597-604.	1.8	63
26	Retinal image analysis: Concepts, applications and potential. Progress in Retinal and Eye Research, 2006, 25, 99-127.	7.3	536
27	Retinal vessel diameters and cerebral small vessel disease: the Rotterdam Scan Study. Brain, 2006, 129, 182-188.	3.7	203
28	Are Inflammatory Factors Related to Retinal Vessel Caliber?. JAMA Ophthalmology, 2006, 124, 87.	2.6	256
29	Retinal vessel diameters and risk of stroke: The Rotterdam Study. Neurology, 2006, 66, 1339-1343.	1.5	253
30	Retinal Vessel Diameters and Risk of Hypertension. Hypertension, 2006, 47, 189-194.	1.3	293
31	Ocular manifestations of systemic arterial hypertension. Expert Review of Ophthalmology, 2006, 1, 113-123.	0.3	0
32	Retinal Vessel Diameters and Risk of Impaired Fasting Glucose or Diabetes: The Rotterdam Study. Diabetes, 2006, 55, 506-510.	0.3	114
33	Asymmetry of Retinal Arteriolar Branch Widths at Junctions Affects Ability of Formulae to Predict Trunk Arteriolar Widths. , 2006, 47, 1329.		38
34	Genome-Wide Linkage Study of Retinal Vessel Diameters in the Beaver Dam Eye Study. Hypertension, 2006, 47, 797-802.	1.3	71
35	An automatic system for the estimation of generalized arteriolar narrowing in retinal images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6464-7.	0.5	23
36	Blood Pressure and Retinal Arteriolar Narrowing in Children. Hypertension, 2007, 49, 1156-1162.	1.3	172
37	Aortic Distensibility and Retinal Arteriolar Narrowing. Hypertension, 2007, 50, 617-622.	1.3	115
38	Relationship of Retinal Vascular Caliber with Optic Disc Diameter in Children. , 2007, 48, 4945.		27
39	Relation of Retinopathy to Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis. American Journal of Epidemiology, 2007, 167, 51-58.	1.6	75

#	ARTICLE	IF	CITATIONS
40	Association of Retinal Vessel Caliber to Optic Disc and Cup Diameters. , 2007, 48, 63.		25
41	Retinal Vessel Caliber and Microvascular and Macrovascular Disease in Type 2 Diabetes. Ophthalmology, 2007, 114, 1884-1892.	2.5	167
42	Rationale and design of the AdRem study: Evaluating the effects of blood pressure lowering and intensive glucose control on vascular retinal disorders in patients with type 2 diabetes mellitus. Contemporary Clinical Trials, 2007, 28, 6-17.	0.8	22
43	Retinal vessel diameter and cardiovascular mortality: pooled data analysis from two older populations. European Heart Journal, 2007, 28, 1984-1992.	1.0	293
44	Retinal Arteriolar Narrowing and Left Ventricular Remodeling. Journal of the American College of Cardiology, 2007, 50, 48-55.	1.2	137
45	Distribution and Associations of Retinal Vascular Caliber with Ethnicity, Gender, and Birth Parameters in Young Children. , 2007, 48, 1018.		66
46	The Association between Retinal Vascular Network Geometry and Cognitive Ability in an Elderly Population. , 2007, 48, 1995.		70
47	Arterial compliance and retinal vascular caliber in cerebrovascular disease. Annals of Neurology, 2007, 62, 618-624.	2.8	63
48	Body mass index and its effects on retinal vessel diameter in 6-year-old children. International Journal of Obesity, 2007, 31, 1527-1533.	1.6	55
49	BMI and Retinal Vascular Caliber in Children. Obesity, 2007, 15, 209-209.	1.5	89
50	The relationship of retinal vascular calibre to diabetes and retinopathy: the Australian Diabetes, Obesity and Lifestyle (AusDiab) study. Diabetologia, 2007, 50, 2263-2271.	2.9	68
51	The retinal arteriole to venule ratio: informative or deceptive?. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 1245-1246.	1.0	9
52	Reply to "The retinal arteriole to venule ratio: informative or deceptive?" by N. Cheung and T. Y. Wong. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 1247-1248.	1.0	0
53	The clinical assessment of retinal microvascular structure and therapeutic implications. Current Treatment Options in Cardiovascular Medicine, 2007, 9, 236-241.	0.4	6
54	Is depression associated with microvascular disease in patients with type 2 diabetes?. Depression and Anxiety, 2008, 25, E158-E162.	2.0	14
55	Retinal Microvascular Signs: A Key to Understanding the Underlying Pathophysiology of Different Stroke Subtypes?. International Journal of Stroke, 2008, 3, 297-305.	2.9	26
56	Early Retinal Vascular Abnormalities in African-American Cocaine Users. American Journal of Ophthalmology, 2008, 146, 612-619.e2.	1.7	8
57	Relationship Between Retinal Arteriolar Narrowing and Myocardial Perfusion. Hypertension, 2008, 51, 119-126.	1.3	107

#	ARTICLE	IF	CITATIONS
58	Prevalence and risk factors of retinal vein occlusion in an Asian population. <i>British Journal of Ophthalmology</i> , 2008, 92, 1316-1319.	2.1	89
59	Retinal Microvascular Caliber and Chronic Kidney Disease in an Asian Population. <i>American Journal of Epidemiology</i> , 2008, 169, 625-632.	1.6	98
60	Retinal Arteriolar Caliber Predicts Incident Retinopathy. <i>Diabetes Care</i> , 2008, 31, 761-763.	4.3	98
61	Evidence of Retinal Vascular Narrowing in Glaucomatous Eyes in an Asian Population. , 2008, 49, 5397.		96
62	Retinal Vessel Analysis Reproducibility in Assessing Cardiovascular Disease. <i>Optometry and Vision Science</i> , 2008, 85, E247-E254.	0.6	21
63	Retinal Signs and Stroke. <i>Stroke</i> , 2008, 39, 1371-1379.	1.0	183
64	An improved system for the automatic estimation of the Arteriolar-to-Venular diameter Ratio (AVR) in retinal images. , 2008, 2008, 3550-3.		26
65	Retinal Vascular Caliber Changes after Intravitreal Triamcinolone Treatment for Diabetic Macular Edema. , 2008, 49, 4707.		30
66	Straight versus tortuous retinal arteries in relation to blood pressure and genetics. <i>British Journal of Ophthalmology</i> , 2008, 92, 1055-1060.	2.1	53
67	Homocysteine, S-adenosylmethionine and S-adenosylhomocysteine are associated with retinal microvascular abnormalities: the Hoorn Study. <i>Clinical Science</i> , 2008, 114, 479-487.	1.8	24
68	Retinal Vascular Caliber, Blood Pressure, and Cardiovascular Risk Factors in an Asian Population: The Singapore Malay Eye Study. , 2008, 49, 1784.		131
69	Ethnic Variability in Retinal Vessel Caliber: A Potential Source of Measurement Error from Ocular Pigmentation?â€”The Sydney Childhood Eye Study. , 2008, 49, 1362.		47
70	Relationships of Retinal Vessel Diameters with Optic Disc, Macular and Retinal Nerve Fiber Layer Parameters in 6-Year-Old Children. , 2008, 49, 2403.		21
71	Comparison of the Central Retinal Vessel Diameter Between Glaucomatous and Normal Eye. <i>Journal of Korean Ophthalmological Society</i> , 2009, 50, 738.	0.0	2
72	Retinal Vessel Diameters in Relation to Hematocrit Variation during Acclimatization of Highlanders to Sea Level Altitude. , 2009, 50, 3960.		7
73	Quantitative Genetic Analysis of the Retinal Vascular Caliber. <i>Hypertension</i> , 2009, 54, 788-795.	1.3	38
74	Effect of Birth Parameters on Retinal Vascular Caliber. <i>Hypertension</i> , 2009, 53, 487-493.	1.3	39
75	Relationship between Retinal Structures and Retinal Vessel Caliber in Normal Adolescents. , 2009, 50, 5619.		22

#	ARTICLE	IF	CITATIONS
76	Retinal Vascular Caliber and Extracranial Carotid Disease in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2009, 40, 3695-3699.	1.0	28
77	Effect of blood pressure on the retinal vasculature in a multi-ethnic Asian population. <i>Hypertension Research</i> , 2009, 32, 975-982.	1.5	32
78	Relationship of Retinal Vascular Caliber with Retinal Nerve Fiber Layer Thickness: The Singapore Malay Eye Study. , 2009, 50, 4091.		64
79	Measuring Retinal Vessel Tortuosity in 10-Year-Old Children: Validation of the Computer-Assisted Image Analysis of the Retina (CAIAR) Program. , 2009, 50, 2004.		305
80	Corneal Biomechanical Properties and Retinal Vascular Caliber in Children. , 2009, 50, 121.		17
81	Prediction of Incident Stroke Events Based on Retinal Vessel Caliber: A Systematic Review and Individual-Participant Meta-Analysis. <i>American Journal of Epidemiology</i> , 2009, 170, 1323-1332.	1.6	285
82	Retinal microvasculature in acute lacunar stroke: a cross-sectional study. <i>Lancet Neurology</i> , The, 2009, 8, 628-634.	4.9	145
83	Retinal vessel calibre and micro- and macrovascular complications in type 1 diabetes. <i>Diabetologia</i> , 2009, 52, 2213-2217.	2.9	59
84	Retinal Vascular Caliber: Systemic, Environmental, and Genetic Associations. <i>Survey of Ophthalmology</i> , 2009, 54, 74-95.	1.7	351
85	Retinal Vascular Caliber and Macular Telangiectasia Type 2. <i>Ophthalmology</i> , 2009, 116, 319-323.	2.5	11
86	Retinal Vessel Abnormalities Are Associated with Elevated Fasting Insulin Levels and Cerebral Atrophy in Nondiabetic Individuals. <i>Ophthalmology</i> , 2009, 116, 1175-1181.	2.5	16
87	Major Eye Diseases and Risk Factors Associated with Systemic Hypertension in an Adult Chinese Population. <i>Ophthalmology</i> , 2009, 116, 2373-2380.	2.5	76
88	Semiautomated digital image analysis of posterior pole vessels in retinopathy of prematurity. <i>Journal of AAPOS</i> , 2009, 13, 504-506.	0.2	17
89	Image analysis of posterior pole vessels identifies type 1 retinopathy of prematurity. <i>Journal of AAPOS</i> , 2009, 13, 507-508.	0.2	11
90	Retinal Vessel Diameter and the Incidence of Coronary Artery Disease in Type 1 Diabetes. <i>American Journal of Ophthalmology</i> , 2009, 147, 653-660.	1.7	37
91	Relationship of Retinal Vascular Caliber with Optic Disc and Macular Structure. <i>American Journal of Ophthalmology</i> , 2009, 148, 368-375.	1.7	19
92	Digital image analysis of plus disease in retinopathy of prematurity. <i>Acta Ophthalmologica</i> , 2009, 87, 368-377.	0.6	43
93	ADOLESCENTS WITH TYPE 2 DIABETES. <i>Retina</i> , 2009, 29, 618-626.	1.0	78

#	ARTICLE	IF	CITATIONS
94	Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. <i>Journal of Hypertension</i> , 2009, 27, 2386-2393.	0.3	112
95	Meta-analysis: Retinal Vessel Caliber and Risk for Coronary Heart Disease. <i>Annals of Internal Medicine</i> , 2009, 151, 404.	2.0	273
96	Retinal microvascular structure: determinants and potential utility of novel imaging measurements. <i>Expert Review of Ophthalmology</i> , 2010, 5, 353-363.	0.3	2
97	FUNDUS AUTOFLUORESCENCE AND OPTICAL COHERENCE TOMOGRAPHIC FINDINGS IN ACUTE ZONAL OCCULT OUTER RETINOPATHY. <i>Retina</i> , 2010, 30, 1206-1216.	1.0	99
98	Blood pressure is associated with retinal vessel signs in preadolescent children. <i>Journal of Hypertension</i> , 2010, 28, 1406-1412.	0.3	40
99	Evidence of Early Retinal Microvascular Changes in Patients With Type 2 Diabetes and Depression. <i>Psychosomatic Medicine</i> , 2010, 72, 535-538.	1.3	23
100	15-Year Cumulative Incidence and Associated Risk Factors for Retinopathy in Nondiabetic Persons. <i>JAMA Ophthalmology</i> , 2010, 128, 1568.	2.6	32
101	The relationship of retinal vessel diameter to changes in diabetic nephropathy structural variables in patients with type 1 diabetes. <i>Diabetologia</i> , 2010, 53, 1638-1646.	2.9	43
103	Improvements in retinal vessel clustering techniques: towards the automatic computation of the arterio venous ratio. <i>Computing (Vienna/New York)</i> , 2010, 90, 197-217.	3.2	18
104	Association of retinal vessel calibre with diabetic retinopathy in an urban Australian indigenous population. <i>Clinical and Experimental Ophthalmology</i> , 2010, 38, 577-582.	1.3	4
105	Structural Alterations of Retinal Arterioles in Adults Late After Repair of Aortic Isthmic Coarctation. <i>American Journal of Cardiology</i> , 2010, 105, 740-744.	0.7	8
106	Retinal Vessel Caliber and Peripheral Neuropathy in Diabetic Participants. <i>Microcirculation</i> , 2010, 17, 297-302.	1.0	15
107	A New Method to Measure Peripheral Retinal Vascular Caliber over an Extended Area. <i>Microcirculation</i> , 2010, 17, no-no.	1.0	84
108	Smaller Birth Size is Associated With Narrower Retinal Arterioles in Early Adolescence. <i>Microcirculation</i> , 2010, 17, 660-668.	1.0	41
109	Relationship of Retinal Vascular Tortuosity with the Neuroretinal Rim: The Singapore Malay Eye Study. <i>Investigative Ophthalmology and Visual Science</i> , 2010, 51, 3736.		29
110	Automatic determination of the artery vein ratio in retinal images. <i>Proceedings of SPIE</i> , 2010, , .	0.8	7
111	Jugular Venous Reflux Affects Ocular Venous System in Transient Monocular Blindness. <i>Cerebrovascular Diseases</i> , 2010, 29, 122-129.	0.8	37
112	An integrated software solution for multi-modal mapping of morphological and functional ocular data. <i>Optometry</i> , 2010, 2010, 6280-3.		5

#	ARTICLE	IF	CITATIONS
113	Retinal Microvascular Signs May Provide Clues to the Underlying Vasculopathy in Patients With Deep Intracerebral Hemorrhage. <i>Stroke</i> , 2010, 41, 618-623.	1.0	47
114	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1001184.	1.5	134
115	Blood pressure development and hypertensive retinopathy: 20-year follow-up of middle-aged normotensive and hypertensive men. <i>Journal of Human Hypertension</i> , 2010, 24, 505-513.	1.0	12
116	Air Pollution and the Microvasculature: A Cross-Sectional Assessment of In Vivo Retinal Images in the Population-Based Multi-Ethnic Study of Atherosclerosis (MESA). <i>PLoS Medicine</i> , 2010, 7, e1000372.	3.9	105
117	Psychosocial Risk Factors and Retinal Microvascular Signs: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2010, 171, 522-531.	1.6	19
118	Differential Associations of Cortical and Subcortical Cerebral Atrophy With Retinal Vascular Signs in Patients With Acute Stroke. <i>Stroke</i> , 2010, 41, 2143-2150.	1.0	31
119	Relationship of Blood Pressure to Retinal Vessel Diameter in Type 1 Diabetes Mellitus. <i>JAMA Ophthalmology</i> , 2010, 128, 198.	2.6	13
120	Hepatocyte Growth Factor and Retinal Arteriolar Diameter in Singapore Chinese. <i>Ophthalmology</i> , 2010, 117, 939-945.	2.5	3
121	The measurement of multiple retinal images. , 2011, , .		0
122	Physical Activity, Television Viewing Time, and Retinal Microvascular Caliber: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2011, 173, 518-525.	1.6	31
123	Retinal Vessel Diameter, Retinal Nerve Fiber Layer Thickness, and Intraocular Pressure in Korean Patients With Normal-Tension Glaucoma. <i>American Journal of Ophthalmology</i> , 2011, 151, 100-105.e1.	1.7	48
124	Differential association of retinal arteriolar and venular caliber with diabetes and retinopathy. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 291-298.	1.1	51
125	Retinal Vascular Tortuosity, Blood Pressure, and Cardiovascular Risk Factors. <i>Ophthalmology</i> , 2011, 118, 812-818.	2.5	220
126	Eye Complications and Markers of Morbidity and Mortality in Long-term Type 1 Diabetes. <i>Acta Ophthalmologica</i> , 2011, 89, 1-19.	0.6	21
127	Acute and chronic effects of marathon running on the retinal microcirculation. <i>Atherosclerosis</i> , 2011, 219, 864-868.	0.4	23
128	Complete Blood Cell Count and Retinal Vessel Diameters. <i>JAMA Ophthalmology</i> , 2011, 129, 490.	2.6	8
129	Influence of Refractive Error and Axial Length on Retinal Vessel Geometric Characteristics. , 2011, 52, 669.		73
130	Physical Activity, Television Viewing Time, and Retinal Vascular Caliber. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 280-286.	0.2	23

#	ARTICLE	IF	CITATIONS
131	Quantitative and qualitative retinal microvascular characteristics and blood pressure. Journal of Hypertension, 2011, 29, 1380-1391.	0.3	196
132	Retinal Microvascular Changes and the Risk of Developing Obesity: Population-Based Cohort Study. Microcirculation, 2011, 18, 655-662.	1.0	17
133	Bidirectional Association of Retinal Vessel Diameters and Estimated GFR Decline: The Beaver Dam CKD Study. American Journal of Kidney Diseases, 2011, 57, 682-691.	2.1	48
134	Retinal Arteriolar Narrowing and Subsequent Development of CKD Stage 3: The Multi-Ethnic Study of Atherosclerosis (MESA). American Journal of Kidney Diseases, 2011, 58, 39-46.	2.1	68
135	Automated Measurement of the Arteriolar-to-Venular Width Ratio in Digital Color Fundus Photographs. IEEE Transactions on Medical Imaging, 2011, 30, 1941-1950.	5.4	153
136	Effect of obesity on retinal vascular structure in pre-adolescent children. Pediatric Obesity, 2011, 6, e353-e359.	3.2	54
137	Association of retinal arteriolar dilatation with lower verbal memory: the Edinburgh Type 2 Diabetes Study. Diabetologia, 2011, 54, 1653-1662.	2.9	20
138	Automated selection of major arteries and veins for measurement of arteriolar-to-venular diameter ratio on retinal fundus images. Computerized Medical Imaging and Graphics, 2011, 35, 472-480.	3.5	58
139	Retinal Venular Diameter as an Early Indicator of Progression to Proliferative Diabetic Retinopathy With and Without High-Risk Characteristics in African Americans With Type 1 Diabetes Mellitus. JAMA Ophthalmology, 2011, 129, 8.	2.6	67
141	A Web-Based System for the Quantitative and Reproducible Assessment of Clinical Indexes From the Retinal Vasculature. IEEE Transactions on Biomedical Engineering, 2011, 58, 818-821.	2.5	13
142	Screening for Retinal Vessel Caliber and Its Association with Metabolic Syndrome in Japanese Adults. Metabolic Syndrome and Related Disorders, 2011, 9, 427-432.	0.5	11
143	From laboratory to clinic: The development of web-based tools for the estimation of retinal diagnostic parameters. , 2011, 2011, 3379-82.		4
144	Are Retinal Microvascular Phenotypes Associated With the 1675G/A Polymorphism in the Angiotensin II Type-2 Receptor Gene?. American Journal of Hypertension, 2011, 24, 1300-1305.	1.0	8
145	Suboptimal Image Focus Broadens Retinal Vessel Caliber Measurement. , 2011, 52, 8558.		6
146	Retinal microvascular changes and subsequent vascular events after ischemic stroke. Neurology, 2011, 77, 896-903.	1.5	52
147	Parental History of Hypertension Is Associated With Narrower Retinal Arteriolar Caliber in Young Girls. Hypertension, 2011, 58, 425-430.	1.3	18
148	The Relationship between Retinal Arteriolar and Venular Calibers Is Genetically Mediated, and Each Is Associated with Risk of Cardiovascular Disease. , 2011, 52, 975.		23
149	The Microvasculature in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 1872-1878.	2.2	65

#	ARTICLE	IF	CITATIONS
150	Associations of Retinal Microvascular Signs and Intracranial Large Artery Disease. <i>Stroke</i> , 2011, 42, 812-814.	1.0	25
151	Retinal Microvascular Signs and Functional Loss in Older Persons. <i>Stroke</i> , 2011, 42, 1589-1595.	1.0	42
152	Retinal arteriolar caliber and urine albumin excretion: the Multi-Ethnic Study of Atherosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 3523-3528.	0.4	31
153	Retinal vascular calibre is altered in patients with rheumatoid arthritis: a biomarker of disease activity and cardiovascular risk?. <i>Rheumatology</i> , 2011, 50, 939-943.	0.9	20
154	Influence of Physical Activity and Screen Time on the Retinal Microvasculature in Young Children. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1233-1239.	1.1	58
155	The Prevalence of Hearing Impairment and Associated Risk Factors. <i>JAMA Otolaryngology</i> , 2011, 137, 432.	1.5	187
156	Association of retinal microvascular caliber with blood pressure levels. <i>Blood Pressure</i> , 2012, 21, 191-196.	0.7	19
157	Right and Left Correlation of Retinal Vessel Caliber Measurements in Anisometropic Children: Effect of Refractive Error. , 2012, 53, 5227.		4
158	Carbohydrate nutrition is associated with changes in the retinal vascular structure and branching pattern in children. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 1215-1222.	2.2	34
159	Retinal Vessel Analysis as a Tool to Quantify Risk of Diabetic Retinopathy. <i>Asia-Pacific Journal of Ophthalmology</i> , 2012, 1, 240-244.	1.3	1
160	Relationship of Retinal Vessel Caliber to Cardiovascular Disease and Mortality in African Americans With Type 1 Diabetes Mellitus. <i>JAMA Ophthalmology</i> , 2012, 130, 561-7.	2.6	21
161	Phenotyping the Microcirculation. <i>Hypertension</i> , 2012, 60, 523-527.	1.3	24
162	Retinal Microvascular Signs and Risk of Stroke. <i>Stroke</i> , 2012, 43, 3245-3251.	1.0	97
163	Retinal vascular changes following intravitreal ranibizumab injections for neovascular AMD over a 1-year period. <i>Eye</i> , 2012, 26, 958-966.	1.1	8
164	The relationship between aortic stiffness and changes in retinal microvessels among Asian ischemic stroke patients. <i>Journal of Human Hypertension</i> , 2012, 26, 716-722.	1.0	22
165	Relationship of Blood Pressure and Other Factors to Serial Retinal Arteriolar Diameter Measurements Over Time. <i>JAMA Ophthalmology</i> , 2012, 130, 1019.	2.6	28
166	Retinal Vascular Geometry in Asian Persons with Diabetes and Retinopathy. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 595-605.	1.3	73
167	Retinal Vascular Calibre, Geometry and Progression of Diabetic Retinopathy in Type 2 Diabetes Mellitus. <i>Ophthalmologica</i> , 2012, 228, 84-92.	1.0	51

#	ARTICLE	IF	CITATIONS
168	Retinal Venular Caliber Predicts Visual Outcome after Intravitreal Ranibizumab Injection Treatments for Neovascular AMD. , 2012, 53, 37.		13
169	Retinal Vascular Imaging for Cardiovascular Risk Prediction. , 2012, , 77-89.		0
170	Microvascular Dilatation after Haemodialysis Is Determined by the Volume of Fluid Removed and Fall in Mean Arterial Pressure. <i>Kidney and Blood Pressure Research</i> , 2012, 35, 644-648.	0.9	8
171	Retinal Microvascular Signs and Disability in the Cardiovascular Health Study. <i>JAMA Ophthalmology</i> , 2012, 130, 350.	2.6	11
172	EARLY NEURAL AND VASCULAR CHANGES IN THE ADOLESCENT TYPE 1 AND TYPE 2 DIABETIC RETINA. <i>Retina</i> , 2012, 32, 92-102.	1.0	64
173	Retinal vessel width measurement at branching points using an improved electric field theory-based graph approach. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
174	Blood Pressure, Vessel Caliber, and Retinal Thickness in Diabetes. <i>Optometry and Vision Science</i> , 2012, 89, 1715-1720.	0.6	11
175	A new tool to assess retinal vessel caliber. Reliability and validity of measures and their relationship with cardiovascular risk. <i>Journal of Hypertension</i> , 2012, 30, 770-777.	0.3	26
176	Changes in Retinal Vessel Diameter and Incidence and Progression of Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2012, 130, 749-55.	2.6	94
177	Age-Related Decrease of the Retinal Vasculature Area Identified with a Novel Computer-Aided Analysis System. <i>Tohoku Journal of Experimental Medicine</i> , 2012, 228, 229-237.	0.5	6
178	Retinal vascular caliber and metabolic syndrome in a Chinese population. <i>Internal Medicine Journal</i> , 2012, 42, 1014-1022.	0.5	10
179	Determinants of Retinal Venular Diameter: The Beaver Dam Eye Study. <i>Ophthalmology</i> , 2012, 119, 2563-2571.	2.5	46
180	Retinal Microvasculature as a Model to Study the Manifestations of Hypertension. <i>Hypertension</i> , 2012, 60, 1094-1103.	1.3	208
181	Normal distribution of cardiac variation in retinal image measurement. , 2012, , .		2
182	Retinal Vessel Caliber and Risk Factors for Branch Retinal Vein Occlusion. <i>Current Eye Research</i> , 2012, 37, 334-338.	0.7	16
183	Retinal Microvascular Abnormalities and Cognitive Function in Latino Adults in Los Angeles. <i>Ophthalmic Epidemiology</i> , 2012, 19, 127-136.	0.8	32
184	Correlation and Reproducibility of Retinal Vascular Geometric Measurements for Stereoscopic Retinal Images of the Same Eyes. <i>Ophthalmic Epidemiology</i> , 2012, 19, 322-327.	0.8	11
185	Early Retinal Arteriolar Changes and Peripheral Neuropathy in Diabetes. <i>Diabetes Care</i> , 2012, 35, 1098-1104.	4.3	43

#	ARTICLE	IF	CITATIONS
186	Retinal Vessel Caliber Among People With Acquired Immunodeficiency Syndrome: Relationships With Disease-Associated Factors and Mortality. <i>American Journal of Ophthalmology</i> , 2012, 153, 434-444.e1.	1.7	32
187	Retinal microvascular calibre and risk of incident diabetes: The multi-ethnic study of atherosclerosis. <i>Diabetes Research and Clinical Practice</i> , 2012, 95, 265-274.	1.1	16
188	Retinal Vascular Fractal Dimension and Its Relationship With Cardiovascular and Ocular Risk Factors. <i>American Journal of Ophthalmology</i> , 2012, 154, 663-674.e1.	1.7	98
190	Technological Innovation for Value Creation. <i>International Federation for Information Processing</i> , 2012, , .	0.4	1
192	Quantitative Analysis of Retinal Vessel Attenuation in Eyes with Retinitis Pigmentosa. , 2012, 53, 4306.		56
193	Does Retinal Vascular Geometry Vary with Cardiac Cycle?. , 2012, 53, 5799.		45
194	Effect of Image Compression and Resolution on Retinal Vascular Caliber. , 2012, 53, 5117.		14
195	Retinal Vascular Caliber Changes on OCT after Intravitreal Bevacizumab Injection in Diabetic Macular Edema. <i>Journal of Korean Ophthalmological Society</i> , 2012, 53, 262.	0.0	1
196	Genetic and Early Life Influences on the Human Retinal Microcirculation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 19-25.	1.2	5
197	Retinal vessel diameter in young patients with open-angle glaucoma: comparison between high-tension and normal-tension glaucoma. <i>Acta Ophthalmologica</i> , 2012, 90, e570-1.	0.6	18
198	Retinal venular calibre dilatation after intravitreal ranibizumab treatment for neovascular age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2012, 40, 59-66.	1.3	9
199	Retinal vascular calibre as a predictor of incidence and progression of diabetic retinopathy. <i>Australasian journal of optometry</i> , The, 2012, 95, 290-296.	0.6	29
200	Aspirin for the prevention of cognitive decline in the elderly: rationale and design of a neuro-vascular imaging study (ENVIS-ion). <i>BMC Neurology</i> , 2012, 12, 3.	0.8	36
201	Automated characterization of blood vessels as arteries and veins in retinal images. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 607-617.	3.5	89
202	Retinal Vessel Caliber Is Associated with the 10-year Incidence of Glaucoma. <i>Ophthalmology</i> , 2013, 120, 84-90.	2.5	100
203	No association of 9p21 with arterial elasticity and retinal microvascular findings. <i>Atherosclerosis</i> , 2013, 230, 301-303.	0.4	1
204	Retinal Venular Calibre is Increased in Patients with Autoimmune Rheumatic Disease: A Case-Control Study. <i>Current Eye Research</i> , 2013, 38, 685-690.	0.7	12
205	Non-invasive detection of microvascular changes in a paediatric and adolescent population with type 1 diabetes: a pilot cross-sectional study. <i>BMC Endocrine Disorders</i> , 2013, 13, 41.	0.9	32

#	ARTICLE	IF	CITATIONS
206	Retinal artery-vein caliber grading using color fundus imaging. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 104-114.	2.6	19
207	Influence of blood pressure and body mass index on retinal vascular caliber in preschool-aged children. <i>Journal of Human Hypertension</i> , 2013, 27, 523-528.	1.0	28
208	Retinal Vessel Caliber and Lifelong Neuropsychological Functioning. <i>Psychological Science</i> , 2013, 24, 1198-1207.	1.8	39
209	Retinal Vascular Caliber Measurements: Clinical Significance, Current Knowledge and Future Perspectives. <i>Ophthalmologica</i> , 2013, 229, 125-136.	1.0	162
210	Mathematical verification of summary formula in retinal vessel diameter measurement. , 2013, , .		1
211	The Tromsø Eye Study: study design, methodology and results on visual acuity and refractive errors. <i>Acta Ophthalmologica</i> , 2013, 91, 635-642.	0.6	26
212	Retinal vascular caliber is associated with renal function in apparently healthy subjects. <i>Acta Ophthalmologica</i> , 2013, 91, e283-8.	0.6	21
213	Reliable monitoring system for arteriovenous ratio computation. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 337-345.	3.5	3
214	Accurate estimation of retinal vessel width using bagged decision trees and an extended multiresolution Hermite model. <i>Medical Image Analysis</i> , 2013, 17, 1164-1180.	7.0	46
215	Sleep-disordered breathing and retinal microvascular diameter. <i>Atherosclerosis</i> , 2013, 226, 124-128.	0.4	19
216	Retinopathy and Cognitive Impairment in Adults With CKD. <i>American Journal of Kidney Diseases</i> , 2013, 61, 219-227.	2.1	23
218	The Association between Ocular Biometry and Retinal Vascular Caliber Is Comparable from Early Childhood to Adolescence. , 2013, 54, 1501.		7
219	Automatic Detection of Optic Disc Based on PCA and Mathematical Morphology. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 786-796.	5.4	171
220	Associations Between Retinal Microvascular Changes and Dementia, Cognitive Functioning, and Brain Imaging Abnormalities: A Systematic Review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 983-995.	2.4	122
221	Automatic detection of retinal vascular landmark features for colour fundus image matching and patient longitudinal study. , 2013, , .		6
222	Temporal Changes in Retinal Microvascular Caliber and Blood Pressure During Pregnancy. <i>Hypertension</i> , 2013, 61, 880-885.	1.3	21
223	Automated retinal vessel type classification in color fundus images. , 2013, , .		8
224	Microvascular Abnormality in Schizophrenia as Shown by Retinal Imaging. <i>American Journal of Psychiatry</i> , 2013, 170, 1451-1459.	4.0	95

#	ARTICLE	IF	CITATIONS
225	Variability of Measurement of Retinal Vessel Diameters. <i>Ophthalmic Epidemiology</i> , 2013, 20, 392-401.	0.8	3
226	Correlates of Hypertension in Patients with AIDS in the Era of Highly Active Antiretroviral Therapy. <i>Journal of the International Association of Providers of AIDS Care</i> , 2013, 12, 325-333.	0.6	29
227	Cerebral White Matter and Retinal Arterial Health in Hypertension and Type 2 Diabetes Mellitus. <i>International Journal of Hypertension</i> , 2013, 2013, 1-9.	0.5	23
228	A Method for Visualization of Fine Retinal Vascular Pulsation Using Nonmydriatic Fundus Camera Synchronized with Electrocardiogram. <i>ISRN Ophthalmology</i> , 2013, 2013, 1-9.	1.7	12
229	Retinal Microvascular Responses to Short-Term Changes in Particulate Air Pollution in Healthy Adults. <i>Environmental Health Perspectives</i> , 2013, 121, 1011-1016.	2.8	60
230	A Posterioriâ€Derived Dietary Patterns and Retinal Vessel Caliber in an Elderly Population. , 2013, 54, 1337.		9
231	LOCALIZED CHANGES IN RETINAL VESSEL CALIBER AFTER FOCAL/GRID LASER TREATMENT IN PATIENTS WITH DIABETIC MACULAR EDEMA. <i>Retina</i> , 2013, 33, 2089-2095.	1.0	15
232	Serum Ferritin and Hemoglobin Are Independently Associated With Wider Retinal Venular Caliber: The TromsÅ, Study 2001â€2008. , 2013, 54, 7053.		2
233	Retinal Vascular Features Associated with Risk of Branch Retinal Vein Occlusion. <i>Current Eye Research</i> , 2013, 38, 989-993.	0.7	7
234	Heritability of The Retinal Microcirculation in Flemish Families. <i>American Journal of Hypertension</i> , 2013, 26, 392-399.	1.0	17
236	Automatic Estimation of the Arteriolar-to-Venular Ratio in Retinal Images Using a Graph-Based Approach for Artery/Vein Classification. <i>Lecture Notes in Computer Science</i> , 2013, , 530-538.	1.0	2
237	The Relationship of Retinal Vessel Caliber With Erectile Dysfunction in Patients With Type 2 Diabetes. , 2013, 54, 7234.		11
238	Retinal Vascular Parameter Variations in Patients With Human Immunodeficiency Virus. , 2013, 54, 7962.		14
239	DIAMETERS OF RETINAL BLOOD VESSELS IN A HEALTHY COHORT AS MEASURED BY SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2013, 33, 1888-1894.	1.0	42
240	Does fractal properties of retinal vasculature vary with cardiac cycle?. , 2013, , .		1
241	Retinal vessel abnormalities as a possible biomarker of brain volume loss in obese adolescents. <i>Obesity</i> , 2013, 21, E577-85.	1.5	16
242	Changes in Retinal Microvascular Caliber Precede the Clinical Onset of Preeclampsia. <i>Hypertension</i> , 2013, 62, 899-904.	1.3	33
243	Retinal vascular biomarkers for early detection and monitoring of Alzheimerâ€™s disease. <i>Translational Psychiatry</i> , 2013, 3, e233-e233.	2.4	230

#	ARTICLE	IF	CITATIONS
244	An automatic method for the estimation of Arteriolar-to-Venular Ratio in retinal images. , 2013, , .		8
245	Microvascular Structure and Network in the Retina of Patients With Ischemic Stroke. Stroke, 2013, 44, 2121-2127.	1.0	120
246	Antenatal Mental Health and Retinal Vascular Caliber in Pregnant Women. Translational Vision Science and Technology, 2013, 2, 2.	1.1	17
247	Relationship Between Retinal Vascular Geometry With Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer in Nonglaucomatous Eyes. , 2013, 54, 7309.		31
248	Obesity and the Microvasculature: A Systematic Review and Meta-Analysis. PLoS ONE, 2013, 8, e52708.	1.1	77
249	Genetic Loci for Retinal Arteriolar Microcirculation. PLoS ONE, 2013, 8, e65804.	1.1	27
250	Retinal Vascular Caliber Is Associated with Cardiovascular Biomarkers of Oxidative Stress and Inflammation: The POLA Study. PLoS ONE, 2013, 8, e71089.	1.1	53
251	Racial Differences in Retinal Vessel Geometric Characteristics: A Multiethnic Study in Healthy Asians. , 2013, 54, 3650.		35
252	Analysis of Factors Associated with Retinal Vascular Caliber in Normal Korean Subjects. Journal of Korean Ophthalmological Society, 2014, 55, 548.	0.0	1
253	The Effect of Bevacizumab on Retinal Vessel Diameter, Intraocular Pressure, Retinal Nerve Fiber Layer and the Optic Disc. Journal of Korean Ophthalmological Society, 2014, 55, 216.	0.0	1
254	The Relationship of Retinal Vessel Diameters and Fractal Dimensions with Blood Pressure and Cardiovascular Risk Factors. PLoS ONE, 2014, 9, e106551.	1.1	35
255	Association of retinal vessel attenuation with visual function in eyes with retinitis pigmentosa. Clinical Ophthalmology, 2014, 8, 1487.	0.9	18
256	Association of retinal vessel calibre and visual outcome in eyes with diabetic macular oedema treated with ranibizumab. Eye, 2014, 28, 1315-1320.	1.1	14
257	Retinal Vascular Caliber and Age-related Macular Degeneration in an Indian Population from Singapore. Ophthalmic Epidemiology, 2014, 21, 224-229.	0.8	7
258	Blood vessel segmentation and width estimation in ultra-wide field scanning laser ophthalmoscopy. Biomedical Optics Express, 2014, 5, 4329.	1.5	43
259	Associations Between Frailty, Retinal Microvascular Changes, and Cerebral White Matter Abnormalities in Korean Older Adults. Journal of the American Geriatrics Society, 2014, 62, 2209-2210.	1.3	24
260	Retinal Microvasculature in Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, S339-S352.	1.2	48
261	RetinaCAD, a system for the assessment of retinal vascular changes. , 2014, 2014, 6328-31.		8

#	ARTICLE	IF	CITATIONS
262	Retinal vessel diameters decrease with macular ganglion cell layer thickness in autosomal dominant optic atrophy and in healthy subjects. <i>Acta Ophthalmologica</i> , 2014, 92, 670-674.	0.6	6
263	Retinal vessel diameter in normal-tension glaucoma patients with asymmetric progression. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 1795-1801.	1.0	11
264	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. <i>Psychosomatic Medicine</i> , 2014, 76, 732-738.	1.3	29
265	Retinal vascular caliber and the development of hypertension. <i>Journal of Hypertension</i> , 2014, 32, 207-215.	0.3	171
266	Retinal Vessel Alterations and Cerebral White Matter Microstructural Damage in Obese Adolescents With Metabolic Syndrome. <i>JAMA Pediatrics</i> , 2014, 168, e142815.	3.3	21
267	Investigation of blood flow regulation and oxygen saturation of the retinal vessels in primary open-angle glaucoma. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 1803-1810.	1.0	32
268	Effect of Doxycycline vs Placebo on Retinal Function and Diabetic Retinopathy Progression in Patients With Severe Nonproliferative or Non-“High-Risk Proliferative Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2014, 132, 535.	1.4	55
269	Semi-automated retinal vessel analysis in nonmydriatic fundus photography. <i>Acta Ophthalmologica</i> , 2014, 92, e42-9.	0.6	14
270	Retinal vascular calibre and response to light exposure and serial imaging. <i>Acta Ophthalmologica</i> , 2014, 92, 444-448.	0.6	7
271	Perceived Neighborhood Fall Risks and Strategies Used to Prevent Outdoor Falls: Does Age Matter?. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 2210-2212.	1.3	3
272	Retinal Vascular Fractal Dimension Is Associated with Cognitive Dysfunction. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 43-50.	0.7	76
273	An Automatic Graph-Based Approach for Artery/Vein Classification in Retinal Images. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 1073-1083.	6.0	172
274	Detection of hypertensive retinopathy using vessel measurements and textural features. , 2014, 2014, 5406-9.		17
275	Computer-Aided Diagnosis Software for Hypertensive Risk Determination Through Fundus Image Processing. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1757-1763.	3.9	9
276	The Relationship between Changes in Body Mass Index and Retinal Vascular Caliber in Children. <i>Journal of Pediatrics</i> , 2014, 165, 1166-1171.e1.	0.9	19
277	Retinal vascular calibres are significantly associated with cardiovascular risk factors: the TromsÅ, Eye Study. <i>Acta Ophthalmologica</i> , 2014, 92, 40-46.	0.6	33
279	Measured vessel length in retinal vessel diameter measurement. , 2014, , .		0
280	Retinal Vessel Calibers Predict Long-term Microvascular Complications in Type 1 Diabetes: The Danish Cohort of Pediatric Diabetes 1987 (DCPD1987). <i>Diabetes</i> , 2014, 63, 3906-3914.	0.3	64

#	ARTICLE	IF	CITATIONS
281	Associations between retinal microvascular structure and the severity and extent of coronary artery disease. <i>Atherosclerosis</i> , 2014, 236, 25-30.	0.4	41
282	Retinal vascular fractals predict long-term microvascular complications in type 1 diabetes mellitus: the Danish Cohort of Pediatric Diabetes 1987 (DCPD1987). <i>Diabetologia</i> , 2014, 57, 2215-2221.	2.9	59
283	Malnutrition and Retinal Vascular Caliber in the Elderly: The POLA Study. , 2014, 55, 4042.		2
284	Assessment of vascular changes in retinal images. , 2014, , .		2
285	Retinal artery and venular caliber grading: A semi-automated evaluation tool. <i>Computers in Biology and Medicine</i> , 2014, 44, 1-9.	3.9	10
286	Fundus Photography as a Convenient Tool to Study Microvascular Responses to Cardiovascular Disease Risk Factors in Epidemiological Studies. <i>Journal of Visualized Experiments</i> , 2014, , e51904.	0.2	25
288	DIAMETER OF RETINAL VESSELS IN PATIENTS WITH DIABETIC MACULAR EDEMA IS NOT ALTERED BY INTRAVITREAL RANIBIZUMAB (LUCENTIS). <i>Retina</i> , 2014, 34, 1466-1472.	1.0	15
289	Estimated and Measured GFR Associate Differently with Retinal Vasculopathy in the General Population. <i>Nephron</i> , 2015, 131, 175-184.	0.9	9
290	Microvascular Disease After Renal Transplantation. <i>Kidney and Blood Pressure Research</i> , 2015, 40, 575-583.	0.9	7
291	Effects of age and blood pressure on the retinal arterial wall, analyzed using adaptive optics scanning laser ophthalmoscopy. <i>Scientific Reports</i> , 2015, 5, 12283.	1.6	32
292	A prospective case-control study to investigate retinal microvascular changes in acute dengue infection. <i>Scientific Reports</i> , 2015, 5, 17183.	1.6	5
293	Impact of birth parameters and early life growth patterns on retinal microvascular structure in children. <i>Journal of Hypertension</i> , 2015, 33, 1429-1437.	0.3	22
294	Reliability of retinal vessel calibre measurements using a retinal oximeter. <i>BMC Ophthalmology</i> , 2015, 15, 184.	0.6	4
295	Comparison of Two Formulas Used to Calculate Summarized Retinal Vessel Calibers. <i>Optometry and Vision Science</i> , 2015, 92, 1085-1091.	0.6	9
296	Retinal vessel calibres and haemostasis in black and white South Africans. <i>Journal of Hypertension</i> , 2015, 33, 2483-2490.	0.3	6
297	Diagnostic Ability of Retinal Vessel Diameter Measurements in Open-Angle Glaucoma. , 2015, 56, 7915.		17
298	Early interventions to prevent retinal vasculopathy in diabetes: a review. <i>Clinical Optometry</i> , 0, , 71.	0.4	4
299	Analysis of Retinal Vascular Calibers with Cardiovascular Risk Factors. <i>Journal of Korean Ophthalmological Society</i> , 2015, 56, 925.	0.0	1

#	ARTICLE	IF	CITATIONS
300	Retinal Microvascular Abnormalities and Risk of Renal Failure in Asian Populations. PLoS ONE, 2015, 10, e0118076.	1.1	33
301	Suitability of UK Biobank Retinal Images for Automatic Analysis of Morphometric Properties of the Vasculature. PLoS ONE, 2015, 10, e0127914.	1.1	56
302	Are Retinal Vessels Calibers Influenced by Blood Pressure Measured at the Time of Retinography Acquisition?. PLoS ONE, 2015, 10, e0136678.	1.1	4
303	Association between Retinal Arteriolar and Venule Calibre with Prevalent Heart Failure: A Cross-Sectional Study. PLoS ONE, 2015, 10, e0144850.	1.1	16
304	Retinal Microvasculature and Cardiovascular Health in Childhood. Pediatrics, 2015, 135, 678-685.	1.0	31
305	Microvasculature and incident atrioventricular conduction abnormalities in the Multi-Ethnic Study of Atherosclerosis (MESA). Vascular Medicine, 2015, 20, 417-423.	0.8	10
306	Evaluation of geometric features as biomarkers of diabetic retinopathy for characterizing the retinal vascular changes during the progression of diabetes. , 2015, 2015, 5255-9.		16
307	Ocular Fundus Photography as a Tool to Study Stroke and Dementia. Seminars in Neurology, 2015, 35, 481-490.	0.5	36
308	Optical coherence tomography-based retinal vessel analysis for the evaluation of hypertensive vasculopathy. Acta Ophthalmologica, 2015, 93, e148-53.	0.6	14
309	Reduced cranial parasympathetic tone during the remission phase of cluster headache. Cephalalgia, 2015, 35, 469-477.	1.8	9
310	Genetic variation in retinal vascular patterning predicts variation in pial collateral extent and stroke severity. Angiogenesis, 2015, 18, 97-114.	3.7	17
311	Retinal vascular caliber between eyes with asymmetric glaucoma. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 583-589.	1.0	15
312	Comparison of subjective and objective methods to determine the retinal arterio-venous ratio using fundus photography. Journal of Optometry, 2015, 8, 252-257.	0.7	17
313	Quantification of biological aging in young adults. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4104-10.	3.3	657
314	Damage of Retinal Arterioles in Hypertension. , 2015, , 127-142.		0
315	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. Schizophrenia Research, 2015, 164, 47-52.	1.1	41
316	Intact Calibers of Retinal Vessels in Patients with Systemic Sclerosis. Journal of Rheumatology, 2015, 42, 608-613.	1.0	16
318	Retinal Vascular Caliber, Iris Color, and Age-Related Macular Degeneration in the Irish Nun Eye Study. Investigative Ophthalmology and Visual Science, 2015, 56, 382-387.	3.3	10

#	ARTICLE	IF	CITATIONS
319	Diabetic macular ischaemia is associated with narrower retinal arterioles in patients with type 2 diabetes. <i>Acta Ophthalmologica</i> , 2015, 93, e45-51.	0.6	22
320	Early risk stratification in paediatric type 1 diabetes. <i>Acta Ophthalmologica</i> , 2015, 93, 1-19.	0.6	24
321	Smoking, Central Adiposity, and Poor Glycemic Control Increase Risk of Hearing Impairment. <i>Journal of the American Geriatrics Society</i> , 2015, 63, 918-924.	1.3	132
322	Retinal microvascular network attenuation in Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2015, 1, 229-235.	1.2	122
323	Retinal arteriolar narrowing is associated with a 4-year risk of incident metabolic syndrome. <i>Nutrition and Diabetes</i> , 2015, 5, e165-e165.	1.5	6
324	Aortic stiffness is associated with the central retinal arteriolar equivalent and retinal vascular fractal dimension in a population along the southeastern coast of China. <i>Hypertension Research</i> , 2015, 38, 342-348.	1.5	14
325	Influence of Maternal Angiogenic Factors During Pregnancy on Microvascular Structure in School-Age Children. <i>Hypertension</i> , 2015, 65, 722-728.	1.3	30
326	Assessment of Retinal Vascular Changes Through Arteriolar-to-Venular Ratio Calculation. <i>Lecture Notes in Computer Science</i> , 2015, , 335-343.	1.0	2
327	Retinal Artery-Vein Classification via Topology Estimation. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2518-2534.	5.4	126
328	Body fat distribution, metabolic and inflammatory markers and retinal microvasculature in school-age children. <i>The Generation R Study. International Journal of Obesity</i> , 2015, 39, 1482-1487.	1.6	30
329	Impact of maternal smoking during pregnancy on microvasculature in childhood. <i>The Generation R Study. Early Human Development</i> , 2015, 91, 607-611.	0.8	3
330	Cup-to-disc and arteriole-to-venule ratios in preterm birth. <i>Eye</i> , 2015, 29, 1167-1172.	1.1	5
331	Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. <i>Diabetologia</i> , 2015, 58, 2476-2485.	2.9	41
332	Association between retinal vasculature and muscle mass in older people. <i>Archives of Gerontology and Geriatrics</i> , 2015, 61, 425-428.	1.4	5
333	Blood pressure changes in association with black carbon exposure in a panel of healthy adults are independent of retinal microcirculation. <i>Environment International</i> , 2015, 75, 81-86.	4.8	50
334	Optic disc segmentation using the sliding band filter. <i>Computers in Biology and Medicine</i> , 2015, 56, 1-12.	3.9	92
335	Ophthalmic Issues in Chronic Kidney Disease. , 2015, , 237-248.		0
336	Association between Metabolic Syndrome and Retinal Vascular Changes in Koreans based on Health Check-ups. <i>Journal of Korean Ophthalmological Society</i> , 2016, 57, 1102.	0.0	0

#	ARTICLE	IF	CITATIONS
337	Separate and Combined Effects of Hypoxia and Horizontal Bed Rest on Retinal Blood Vessel Diameters. , 2016, 57, 4927.		12
338	Inter-Relationships Between Retinal Vascular Caliber, Retinal Nerve Fiber Layer Thickness, and Glaucoma: A Mediation Analysis Approach. , 2016, 57, 3803.		12
339	Comparison of Common Retinal Vessel Caliber Measurement Software and a Conversion Algorithm. Translational Vision Science and Technology, 2016, 5, 11.	1.1	42
340	Human Visionâ€“Motivated Algorithm Allows Consistent Retinal Vessel Classification Based on Local Color Contrast for Advancing General Diagnostic Exams. , 2016, 57, 731.		2
341	Severity of coronary artery disease and retinal microvascular signs in patients with diagnosed versus undiagnosed diabetes: cross-sectional study. Journal of Thoracic Disease, 2016, 8, 1532-1539.	0.6	8
342	Does Physical Fitness Buffer the Relationship between Psychosocial Stress, Retinal Vessel Diameters, and Blood Pressure among Primary Schoolchildren?. BioMed Research International, 2016, 2016, 1-11.	0.9	11
343	Retinal Vessel Diameters and Their Relationship with Cardiovascular Risk and All-Cause Mortality in the Inter99 Eye Study: A 15-Year Follow-Up. Journal of Ophthalmology, 2016, 2016, 1-8.	0.6	29
344	Automatic Analysis of Retinal Vascular Parameters for Detection of Diabetes in Indian Patients with No Retinopathy Sign. International Scholarly Research Notices, 2016, 2016, 1-6.	0.9	7
345	Retinal image vasculature analysis software (RIVAS). , 2016, , 323-345.		1
346	Measurement of Retinal Vascular Caliber From Optical Coherence Tomography Phase Images. , 2016, 57, OCT121.		16
347	A Challenged Sympathetic System Is Associated with Retinal Vascular Calibre in a Black Male Cohort: The SABPA Study. , 0, , .		4
348	Retinal vessel caliber and its relationship with nocturnal blood pressure dipping status: the SABPA study. Hypertension Research, 2016, 39, 730-736.	1.5	11
349	Influence of physical fitness and activity behavior on retinal vessel diameters in primary schoolchildren. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 731-738.	1.3	26
350	Modulation of retinal image vasculature analysis to extend utility and provide secondary value from optical coherence tomography imaging. Journal of Medical Imaging, 2016, 3, 020501.	0.8	5
351	Physical Activity, Sedentary Behaviors, and Retinal Vascular Caliber in Children and Adolescents With Type 1 Diabetes. Asia-Pacific Journal of Ophthalmology, 2016, 5, 180-184.	1.3	5
352	Thickening of inner retinal layers in the parafovea after bariatric surgery in patients with type 2 diabetes. Acta Ophthalmologica, 2016, 94, 668-674.	0.6	11
353	Construction of retinal vascular trees via curvature orientation prior. , 2016, , .		2
354	Joint Effect of Early Microvascular Damage in the Eye & Kidney on Risk of Cardiovascular Events. Scientific Reports, 2016, 6, 27442.	1.6	13

#	ARTICLE	IF	CITATIONS
355	Retinal Information is Independently Associated with Cardiovascular Disease in Patients with Type 2 diabetes. <i>Scientific Reports</i> , 2016, 6, 19053.	1.6	17
356	Chronic depression symptoms and salivary NOx are associated with retinal vascular dysregulation: The SABPA study. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 55-56, 10-17.	1.2	22
357	Association of consumption of dairy products and meat with retinal vessel calibers in subjects at increased cardiovascular risk. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 752-757.	1.1	7
358	Increasing fruit and vegetable intake has no effect on retinal vessel caliber in adults at high risk of developing cardiovascular disease. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 318-325.	1.1	3
359	Hypertension is associated with narrower retinal arteriolar calibre in persons with and without coronary artery disease. <i>Journal of Human Hypertension</i> , 2016, 30, 761-765.	1.0	7
360	Correlation between Retinal Vessel Calibre and Neurodegeneration in Patients with Type 2 Diabetes Mellitus in the European Consortium for the Early Treatment of Diabetic Retinopathy (EUROCONDOR). <i>Ophthalmic Research</i> , 2016, 56, 10-16.	1.0	27
361	Inter-arm Blood Pressure Difference and its Relationship with Retinal Microvascular Calibres in Young Individuals: The African-PREDICT Study. <i>Heart Lung and Circulation</i> , 2016, 25, 855-861.	0.2	6
362	Relationship of retinal vascular caliber variation with intracranial arterial stenosis. <i>Microvascular Research</i> , 2016, 108, 64-68.	1.1	13
363	Retinal microvasculature and white matter microstructure. <i>Neurology</i> , 2016, 87, 1003-1010.	1.5	29
364	Conventional and Ambulatory Blood Pressure as Predictors of Retinal Arteriolar Narrowing. <i>Hypertension</i> , 2016, 68, 511-520.	1.3	20
365	Association of body composition and blood pressure categories with retinal vessel diameters in primary school children. <i>Hypertension Research</i> , 2016, 39, 423-429.	1.5	23
366	Associations between recent severe hypoglycemia, retinal vessel diameters, and cognition in adults with type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 1513-1518.	1.2	30
367	The relationship between sodium excretion and blood pressure, urine albumin, central retinal arteriolar equivalent. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 194.	0.7	8
368	Differentiation of blood vessels in retina into arteries and veins using neural network. , 2016, , .		2
369	Retinal vessel diameter in bilateral glaucoma suspects: comparison between the eye converted to glaucoma and the contralateral non-converted eye. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1599-1608.	1.0	6
370	Retinal microcirculation in association with caffeinated and alcoholic drinks in subjects at increased cardiovascular risk. <i>Microcirculation</i> , 2016, 23, 591-596.	1.0	5
371	Retinal microvascular diameter, a hypertension-related trait, in ECG-gated vs. non-gated images analyzed by IVAN and SIVA. <i>Hypertension Research</i> , 2016, 39, 886-892.	1.5	15
372	Influence of Maternal Gestational Hypertensive Disorders on Microvasculature in School-Age Children. <i>American Journal of Epidemiology</i> , 2016, 184, 605-615.	1.6	18

#	ARTICLE	IF	CITATIONS
373	Artery and vein diameter ratio measurement based on improvement of arteries and veins segmentation on retinal images. , 2016, 2016, 1336-1339.		4
374	Retinal vascular imaging in early life: insights into processes and risk of cardiovascular disease. Journal of Physiology, 2016, 594, 2175-2203.	1.3	42
375	Assessing the Causality between Blood Pressure and Retinal Vascular Caliber through Mendelian Randomisation. Scientific Reports, 2016, 6, 22031.	1.6	5
376	Sexâ€Specific Association of Obstructive Sleep Apnea With Retinal Microvascular Signs: The Multiâ€Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2016, 5, .	1.6	20
377	Retinal Vessel Caliber Measurement Using MultiColor and Infrared Confocal Scanning Laser Ophthalmoscopy Fundus Images. International Ophthalmology Clinics, 2016, 56, 67-83.	0.3	8
378	Vitamin D and retinal microvascular damage. Medicine (United States), 2016, 95, e5477.	0.4	24
379	Dietary patterns and retinal vascular calibre in children and adolescents with type 1 diabetes. Acta Ophthalmologica, 2016, 94, e345-52.	0.6	9
380	Brain-inspired algorithms for retinal image analysis. Machine Vision and Applications, 2016, 27, 1117-1135.	1.7	22
381	Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. Sleep and Breathing, 2016, 20, 15-23.	0.9	10
382	Metabolic syndrome and retinal microvascular calibre in a high cardiovascular disease risk cohort. British Journal of Ophthalmology, 2016, 100, 1041-1046.	2.1	13
383	Summarising the retinal vascular calibres in healthy, diabetic and diabetic retinopathy eyes. Computers in Biology and Medicine, 2016, 72, 65-74.	3.9	8
384	Retinal Microvascular Calibers Are Associated With Enlarged Perivascular Spaces in the Brain. Stroke, 2016, 47, 1374-1376.	1.0	22
385	The association of socio-economic factors with physical fitness and activity behaviours, spinal posture and retinal vessel parameters in first graders in urban Switzerland. Journal of Sports Sciences, 2016, 34, 1271-1280.	1.0	12
386	miRNA expression profiles and retinal blood vessel calibers are associated with short-term particulate matter air pollution exposure. Environmental Research, 2016, 147, 24-31.	3.7	32
387	Retinal Microvasculature Is Associated With Long-Term Survival in the General Adult Dutch Population. Hypertension, 2016, 67, 281-287.	1.3	30
388	Novel Genetic Loci Associated With Retinal Microvascular Diameter. Circulation: Cardiovascular Genetics, 2016, 9, 45-54.	5.1	28
389	Assessment of retinal vessel caliber changes in eyes with non-neovascular age-related macular degeneration after progression to neovascular age-related macular degeneration. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 599-601.	1.0	2
390	Ambulatory Aortic Stiffness Is Associated With Narrow Retinal Arteriolar Caliber in Hypertensives: The SAFAR Study. American Journal of Hypertension, 2016, 29, 626-633.	1.0	24

#	ARTICLE	IF	CITATIONS
391	Static characteristics and dynamic functionality of retinal vessels in longer eyes with or without pathologic myopia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 827-834.	1.0	39
392	Influence of breastfeeding on retinal vessel calibers in school-age children. The Generation R Study. <i>European Journal of Clinical Nutrition</i> , 2016, 70, 72-77.	1.3	9
393	Dependence of diameters and oxygen saturation of retinal vessels on visual field damage and age in primary open-angle glaucoma. <i>Acta Ophthalmologica</i> , 2016, 94, 276-281.	0.6	17
394	Review of paediatric retinal microvascular changes as a predictor of cardiovascular disease. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 33-44.	1.3	14
395	Utility of Ward-Based Retinal Photography in Stroke Patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 600-607.	0.7	3
396	Insulin Sensitivity and Inflammation Mediate the Impact of Fitness on Cerebrovascular Health in Adolescents. <i>Childhood Obesity</i> , 2017, 13, 205-212.	0.8	7
397	Vascular risk factors are associated with retinal arteriolar narrowing and venular widening in children and adolescents with type 1 diabetes. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2017, 30, 301-309.	0.4	3
398	Inter-method agreement in retinal blood vessels diameter analysis between Dynamic Vessel Analyzer and optical coherence tomography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1079-1083.	1.0	3
399	Retinal vascular calibre changes after intravitreal bevacizumab or dexamethasone implant treatment for diabetic macular oedema. <i>British Journal of Ophthalmology</i> , 2017, 101, 1329-1333.	2.1	11
400	Prediction Factors of Recurrent Stroke among Chinese Adults Using Retinal Vasculature Characteristics. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 679-685.	0.7	16
401	Retinal vascular calibers in contemporary patients with chronic systemic inflammatory diseases: The Greek REtinal Microcirculation (GREM) study. <i>Artery Research</i> , 2017, 18, 1.	0.3	5
402	Retinal microvascular network geometry and cognitive abilities in community-dwelling older people: The Lothian Birth Cohort 1936 study. <i>British Journal of Ophthalmology</i> , 2017, 101, 993-998.	2.1	25
403	Retinal photography: A window into the cardiovascular-brain link in adolescent bipolar disorder. <i>Journal of Affective Disorders</i> , 2017, 218, 227-237.	2.0	24
404	Retinal Vascular Caliber and Kidney Function in Children and Adolescents with Type 1 Diabetes. <i>Ophthalmic Epidemiology</i> , 2017, 24, 204-208.	0.8	4
405	Guidelines on the management of arterial hypertension and related comorbidities in Latin America. <i>Journal of Hypertension</i> , 2017, 35, 1529-1545.	0.3	58
406	Relationship between changes in blood pressure and left ventricular mass over 1 year in end-stage renal disease. <i>Journal of Hypertension</i> , 2017, 35, 1709-1716.	0.3	7
407	Determinants of retinal microvascular features and their relationships in two European populations. <i>Journal of Hypertension</i> , 2017, 35, 1646-1659.	0.3	14
408	Telmisartan and hydrochlorothiazide antihypertensive treatment in high sodium intake population. <i>Journal of Hypertension</i> , 2017, 35, 2077-2085.	0.3	1

#	ARTICLE	IF	CITATIONS
409	Red meat consumption and cardiovascular target organ damage (from the Strong Heart Study). <i>Journal of Hypertension</i> , 2017, 35, 1794-1800.	0.3	12
410	Plasma galectin-3 concentrations in patients with primary aldosteronism. <i>Journal of Hypertension</i> , 2017, 35, 1849-1856.	0.3	3
411	Influence of carotid atherosclerotic plaques on pulse wave assessment with arterial tonometry. <i>Journal of Hypertension</i> , 2017, 35, 1609-1617.	0.3	9
412	Different estimation methods of spontaneous baroreflex sensitivity have different predictive value in heart failure patients. <i>Journal of Hypertension</i> , 2017, 35, 1666-1675.	0.3	43
413	Assessment of Optic Nerve Head Pallor in Primary Open-Angle Glaucoma Patients and Healthy Subjects. <i>Current Eye Research</i> , 2017, 42, 1313-1318.	0.7	9
414	Automatic and semi-automatic approaches for arteriolar-to-venular computation in retinal photographs. , 2017, , .		1
415	Vessel diameter study: intravitreal vs posterior subtenon triamcinolone acetonide injection for diabetic macular edema. <i>Eye</i> , 2017, 31, 1155-1162.	1.1	7
416	Cardiovascular risk and endothelial function in people living with HIV/AIDS: design of the multi-site, longitudinal EndoAfrica study in the Western Cape Province of South Africa. <i>BMC Infectious Diseases</i> , 2017, 17, 41.	1.3	28
417	Visual function and retinal vessel diameters during hyperthermia in man. <i>Acta Ophthalmologica</i> , 2017, 95, 690-696.	0.6	5
418	Body fat evolution as predictor of retinal microvasculature in children. <i>International Journal of Obesity</i> , 2017, 41, 527-532.	1.6	4
419	Comparison of Retinal Vessel Diameter Between Open-Angle Glaucoma Patients With Initial Parafoveal Scotoma and Peripheral Nasal Step. <i>American Journal of Ophthalmology</i> , 2017, 175, 30-36.	1.7	10
420	Retinal vascular caliber associated with cardiac and renal target organ damage in never-treated hypertensive patients. <i>Microcirculation</i> , 2017, 24, e12344.	1.0	9
421	Shiftwork and the Retinal Vasculature Diameters Among Police Officers. <i>Journal of Occupational and Environmental Medicine</i> , 2017, 59, e172-e179.	0.9	2
422	Retinal vasculature in glaucoma: a review. <i>BMJ Open Ophthalmology</i> , 2017, 1, e000032.	0.8	102
423	A Comparative Study Towards the Establishment of an Automatic Retinal Vessel Width Measurement Technique. <i>Lecture Notes in Computer Science</i> , 2017, , 227-234.	1.0	6
424	Retinal Vascular Imaging Markers and Incident Chronic Kidney Disease: A Prospective Cohort Study. <i>Scientific Reports</i> , 2017, 7, 9374.	1.6	44
425	A new unified framework for the early detection of the progression to diabetic retinopathy from fundus images. <i>Computers in Biology and Medicine</i> , 2017, 90, 98-115.	3.9	31
426	Comparative Retinal Vessel Size Study of Intravitreal Ranibizumab and Bevacizumab in Eyes with Neovascular Age-Related Macular Degeneration. <i>Ophthalmologica</i> , 2017, 238, 147-153.	1.0	9

#	ARTICLE	IF	CITATIONS
427	Innovative technology shows impact of glycaemic control on peripheral retinal vessels in adolescents with type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 2103-2110.	2.9	12
428	Evaluating retinal vessel diameter with optical coherence tomography in normal-tension glaucoma patients. <i>Japanese Journal of Ophthalmology</i> , 2017, 61, 378-387.	0.9	2
429	Recent versus chronic fine particulate air pollution exposure as determinant of the retinal microvasculature in school children. <i>Environmental Research</i> , 2017, 159, 103-110.	3.7	24
430	Generational Differences in the 5-Year Incidence of Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2017, 135, 1417.	1.4	33
431	Using Retinal Imaging to Study Dementia. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	12
432	Quantitative measurement of retinal vascular diameter changes in the early postoperative period after strabismus surgery. <i>Journal of AAPOS</i> , 2017, 21, 274-277.	0.2	5
433	Relationship between retinal vessel diameters and retinopathy in the Inter99 Eye Study. <i>Journal of Clinical and Translational Endocrinology</i> , 2017, 8, 22-28.	1.0	9
434	The Preschool Activity, Technology, Health, Adiposity, Behaviour and Cognition (PATH-ABC) cohort study: rationale and design. <i>BMC Pediatrics</i> , 2017, 17, 95.	0.7	15
435	Retinal Vascular Morphological Changes in Patients with Extremely Severe Obstructive Sleep Apnea Syndrome. <i>Chinese Medical Journal</i> , 2017, 130, 805-810.	0.9	13
436	Association of diabetic retinopathy with systemic organ diseases: a review (cardiovascular and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 377.	0.2	0
437	A New Method of Magnification Correction for Accurately Measuring Retinal Vessel Calibers From Fundus Photographs. , 2017, 58, 1858.		20
438	Analysis of Peripapillary Retinal Vessel Diameter in Unilateral Normal-Tension Glaucoma. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-7.	0.6	4
439	Noninvasive Retinal Markers in Diabetic Retinopathy: Advancing from Bench towards Bedside. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-10.	1.0	8
440	Effect of Axial Eye Length on Retinal Vessel Parameters in 6 to 12-Year-Old Malay Girls. <i>PLoS ONE</i> , 2017, 12, e0170014.	1.1	15
441	Pattern of omega-3 polyunsaturated fatty acid intake and fish consumption and retinal vascular caliber in children and adolescents: A cohort study. <i>PLoS ONE</i> , 2017, 12, e0172109.	1.1	17
442	Gestational hypertensive disorders and retinal microvasculature: the Generation R Study. <i>BMC Medicine</i> , 2017, 15, 153.	2.3	14
443	Retinal Oximetry and Vessel Diameter Measurements With a Commercially Available Scanning Laser Ophthalmoscope in Diabetic Retinopathy. , 2017, 58, 5556.		32
444	Effect of Diffuse Luminance Flicker Light Stimulation on Total Retinal Blood Flow Assessed With Dual-Beam Bidirectional Doppler OCT. , 2017, 58, 1167.		20

#	ARTICLE	IF	CITATIONS
445	Biomarkers for Preclinical Alzheimer's Disease. <i>NeuroMethods</i> , 2018, , .	0.2	5
446	Retinal Imaging in Early Alzheimer's Disease. <i>NeuroMethods</i> , 2018, , 199-212.	0.2	5
447	Retinal microvascular parameters are not associated with reduced renal function in a study of individuals with type 2 diabetes. <i>Scientific Reports</i> , 2018, 8, 3931.	1.6	21
448	Longitudinal association between psychosocial stress and retinal microvasculature in children and adolescents. <i>Psychoneuroendocrinology</i> , 2018, 92, 50-56.	1.3	10
449	Association between optical coherence tomography based retinal microvasculature characteristics and myocardial infarction in young men. <i>Scientific Reports</i> , 2018, 8, 5615.	1.6	8
450	Health-related quality of life in adolescents and the retinal microvascular structure. <i>Scientific Reports</i> , 2018, 8, 3068.	1.6	1
451	Associations of leptin, insulin and lipids with retinal microvasculature in children and adolescents. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 143-150.	0.4	2
452	The relationship of dietary fish intake to diabetic retinopathy and retinal vascular caliber in patients with type 2 diabetes. <i>Scientific Reports</i> , 2018, 8, 730.	1.6	13
453	Pupil Dilation May Affect Retinal Vessel Caliber Measures. <i>Ophthalmic Epidemiology</i> , 2018, 25, 234-237.	0.8	6
454	Small and large vessel disease in persons with unrecognized compared to recognized myocardial infarction: The Tromsø Study 2007-2008. <i>International Journal of Cardiology</i> , 2018, 253, 14-19.	0.8	12
455	Association Between Blood Pressure and Retinal Vessel Diameters Among Police Officers in the US Northeast. <i>Journal of Occupational and Environmental Medicine</i> , 2018, 60, 234-240.	0.9	7
456	Dietary Patterns and Retinal Vessel Caliber in the Irish Nun Eye Study. <i>Journal of Nutrition, Health and Aging</i> , 2018, 22, 751-758.	1.5	4
457	Retinal vascular diameters in relation to physical activity in Danish children - The CHAMPS Eye Study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1897-1907.	1.3	6
458	The effect of pre-eclampsia on retinal microvascular caliber at delivery and post-partum. <i>Obstetric Medicine</i> , 2018, 11, 116-120.	0.5	17
459	Long-term changes in retinal vascular diameter and cognitive impairment in type 1 diabetes. <i>Diabetes and Vascular Disease Research</i> , 2018, 15, 223-232.	0.9	9
460	Association between cognition and the retinal microvasculature in 11-year old children born preterm or at term. <i>Early Human Development</i> , 2018, 118, 1-7.	0.8	20
461	The retinal microcirculation in migraine: The Rotterdam Study. <i>Cephalalgia</i> , 2018, 38, 736-743.	1.8	5
462	EFFECTS OF INTRAVITREAL RANIBIZUMAB AND BEVACIZUMAB ON THE RETINAL VESSEL SIZE IN DIABETIC MACULAR EDEMA. <i>Retina</i> , 2018, 38, 1120-1126.	1.0	11

#	ARTICLE	IF	CITATIONS
463	Retrospective analysis of the effect of aflibercept loading dose on the retinal vessel diameters in patients with treatment-naive neovascular AMD. <i>Cutaneous and Ocular Toxicology</i> , 2018, 37, 84-89.	0.5	6
464	A spectrum of retinal vasculature measures and coronary artery disease. <i>Atherosclerosis</i> , 2018, 268, 215-224.	0.4	52
465	Association of retinal vessel calibers and longitudinal changes in arterial stiffness. <i>Journal of Hypertension</i> , 2018, 36, 587-593.	0.3	15
466	Review of the association between retinal microvascular characteristics and eye disease. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 531-552.	1.3	20
467	Temporal changes in retinal vascular parameters associated with successful panretinal photocoagulation in proliferative diabetic retinopathy: A prospective clinical interventional study. <i>Acta Ophthalmologica</i> , 2018, 96, 405-410.	0.6	15
468	Dynamic changes in retinal vessel diameter during acute hyperglycemia in type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 234-239.	1.2	7
469	The Study of Neurocognitive Outcomes, Radiological and Retinal Effects of Aspirin in Sleep Apnoea-rationale and methodology of the SNORE-ASA study. <i>Contemporary Clinical Trials</i> , 2018, 64, 101-111.	0.8	12
470	Retinal Vascular Caliber Changes After Topical Nepafenac Treatment for Diabetic Macular Edema. <i>Current Eye Research</i> , 2018, 43, 357-361.	0.7	9
472	Characteristics of the retinal microvasculature in association with cardiovascular risk markers in children with overweight, obesity and morbid obesity. <i>Scientific Reports</i> , 2018, 8, 16952.	1.6	17
473	Automatic Segmentation of Optic Disc by Gradient Minimization Based Approach. , 2018, , .		7
474	Validity and reproducibility of retinal arteriole and venule diameter measurements: ELSA-Brasil study. A cross-sectional study. <i>Sao Paulo Medical Journal</i> , 2018, 136, 276-286.	0.4	2
475	Retinal Vessel Diameter Changes in Relation to Dark Adaptation and Acute Hyperglycemia. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	0.6	5
476	Cardiovascular Risk Factors Track From Mother to Child. <i>Journal of the American Heart Association</i> , 2018, 7, e009536.	1.6	23
477	Inactive matrix Gla protein is a novel circulating biomarker predicting retinal arteriolar narrowing in humans. <i>Scientific Reports</i> , 2018, 8, 15088.	1.6	17
478	The mediating role of the venules between smoking and ischemic stroke. <i>European Journal of Epidemiology</i> , 2018, 33, 1219-1228.	2.5	13
479	Towards Standardization of Retinal Vascular Measurements: On the Effect of Image Centering. <i>Lecture Notes in Computer Science</i> , 2018, , 294-302.	1.0	6
480	Associations between retinal arteriolar and venular calibre with the prevalence of impaired fasting glucose and diabetes mellitus: A cross-sectional study. <i>PLoS ONE</i> , 2018, 13, e0189627.	1.1	8
481	Pulsatile interaction between the macro-vasculature and micro-vasculature: proof-of-concept among patients with type 2 diabetes. <i>European Journal of Applied Physiology</i> , 2018, 118, 2455-2463.	1.2	16

#	ARTICLE	IF	CITATIONS
482	Periodontitis and multiple markers of cardiometabolic risk in the fourth decade: A cohort study. <i>Community Dentistry and Oral Epidemiology</i> , 2018, 46, 615-623.	0.9	8
483	Microvascular retinopathy and angiographically-demonstrated coronary artery disease: A cross-sectional, observational study. <i>PLoS ONE</i> , 2018, 13, e0192350.	1.1	11
484	Decision support system for detection of hypertensive retinopathy using arteriovenous ratio. <i>Artificial Intelligence in Medicine</i> , 2018, 90, 15-24.	3.8	63
485	Peripheral endothelial function is positively associated with maximal aerobic capacity in patients with chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2018, 142, 41-47.	1.3	10
486	Association between the retinal vascular network with Singapore "I" Vessel Assessment (SIVA) software, cardiovascular history and risk factors in the elderly: The Montrachet study, population-based study. <i>PLoS ONE</i> , 2018, 13, e0194694.	1.1	36
487	Retinal microcirculation and leukocyte telomere length in the general population. <i>Scientific Reports</i> , 2018, 8, 7095.	1.6	5
488	Comparison of retinal vascular geometry in obese and non-obese children. <i>PLoS ONE</i> , 2018, 13, e0191434.	1.1	12
489	Retinal Arteriolar Narrowing in Young Adults With Glaucomatous Optic Disc. <i>Journal of Glaucoma</i> , 2018, 27, 699-702.	0.8	5
490	Global Assessment of Retinal Arteriolar, Venular and Capillary Microcirculations Using Fundus Photographs and Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>Scientific Reports</i> , 2019, 9, 11751.	1.6	30
491	Retinal vessel diameters confound the relationship of pregnancy to retinopathy and infant outcomes in T1D. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 530-534.	1.2	3
492	The effect of hemodialysis on ocular changes in patients with the end-stage renal disease. <i>Renal Failure</i> , 2019, 41, 629-635.	0.8	9
493	Retinal Microvasculature in Relation to Central Hemodynamics in a Flemish Population. <i>Hypertension</i> , 2019, 74, 606-613.	1.3	10
494	Associations of Infant Sleep Duration with Body Composition and Cardiovascular Health to Mid-Adolescence: The PEAS Kids Growth Study. <i>Childhood Obesity</i> , 2019, 15, 379-386.	0.8	6
495	Effect of Pupil Dilation with Tropicamide on Retinal Vascular Caliber. <i>Ophthalmic Epidemiology</i> , 2019, 26, 400-407.	0.8	10
496	Personal NO ₂ and Volatile Organic Compounds Exposure Levels are Associated with Markers of Cardiovascular Risk in Women in the Cape Town Region of South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2284.	1.2	17
497	Artery/vein classification of retinal vessels using classifiers fusion. <i>Health Information Science and Systems</i> , 2019, 7, 26.	3.4	3
498	A fully automated pipeline of extracting biomarkers to quantify vascular changes in retina-related diseases. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2019, 7, 616-631.	1.3	2
499	Hand and knee osteoarthritis are associated with reduced diameters in retinal vessels: the AGES-Reykjavik study. <i>Rheumatology International</i> , 2019, 39, 669-677.	1.5	6

#	ARTICLE	IF	CITATIONS
500	Factors Associated With Retinal Vessel Diameters in an Elderly Population: the Thessaloniki Eye Study. , 2019, 60, 2208.		19
501	Artery-vein segmentation in fundus images using a fully convolutional network. Computerized Medical Imaging and Graphics, 2019, 76, 101636.	3.5	73
502	Topical Treatment With Brimonidine and Somatostatin Causes Retinal Vascular Dilation in Patients With Early Diabetic Retinopathy From the EUROCONDOR. , 2019, 60, 2257.		18
503	Retinal vascular abnormalities in schizophrenia and bipolar disorder: A window to the brain. Bipolar Disorders, 2019, 21, 634-641.	1.1	45
504	Increased microvascular disease in X-linked and autosomal recessive Alport syndrome: a case control cross sectional observational study. Ophthalmic Genetics, 2019, 40, 129-134.	0.5	1
505	Retinal Vessel Phenotype in Patients with Nonarteritic Anterior Ischemic Optic Neuropathy. American Journal of Ophthalmology, 2019, 208, 178-184.	1.7	10
506	Relating glaucomatous visual field loss to retinal oxygen delivery and metabolism. Acta Ophthalmologica, 2019, 97, e968-e972.	0.6	10
507	Inflammatory diet and preclinical cardiovascular phenotypes in 11-12 year-olds and mid-life adults: A cross-sectional population-based study. Atherosclerosis, 2019, 285, 93-101.	0.4	15
508	Effect of intravitreal aflibercept treatment on retinal vessel parameters in diabetic macular oedema: Arteriolar vasoconstriction. Cutaneous and Ocular Toxicology, 2019, 38, 267-273.	0.5	3
509	The Association of Measures of the Micro- and Macro-Vasculature with Selenium and GPx Activity in a Young Bi-Ethnic Population: The African-PREDICT Study. Journal of the American College of Nutrition, 2019, 38, 614-622.	1.1	2
510	Microvascular reactivity in rehabilitating cardiac patients based on measurements of retinal blood vessel diameters. Microvascular Research, 2019, 124, 25-29.	1.1	10
511	Intravitreal bevacizumab versus ranibizumab: Effects on the vessels of the fellow non-treated eye. Journal of Current Ophthalmology, 2019, 31, 55-60.	0.3	7
512	Global Brain Perfusion and the Risk of Transient Ischemic Attack and Ischemic Stroke: The Rotterdam Study. Journal of the American Heart Association, 2019, 8, e011565.	1.6	13
513	Retinal oximetry in normal and amblyopic children: a pilot study. Acta Ophthalmologica, 2019, 97, 684-687.	0.6	2
514	Retinal microvascular development in the first two years. Microvascular Research, 2019, 125, 103875.	1.1	3
515	Placental Growth Factor as an Indicator of Maternal Cardiovascular Risk After Pregnancy. Circulation, 2019, 139, 1698-1709.	1.6	38
516	Abnormal retinal microvasculature found in active rheumatoid arthritis:a different perspective of microvascular health. Turkish Journal of Medical Sciences, 2019, 49, 20-26.	0.4	4
517	Agreement study between color and IR retinal images based on retinal vasculature morphological parameters. BMC Ophthalmology, 2019, 19, 27.	0.6	6

#	ARTICLE	IF	CITATIONS
518	Joint segmentation and classification of retinal arteries/veins from fundus images. Artificial Intelligence in Medicine, 2019, 94, 96-109.	3.8	78
519	Retinal microvasculature: population epidemiology and concordance in Australian children aged 11-12 years and their parents. BMJ Open, 2019, 9, 44-52.	0.8	11
520	Factors associated with non-active retinal capillary density as measured with Confocal Scanning Laser Doppler Flowmetry in an elderly population: the Thessaloniki Eye Study (TES). British Journal of Ophthalmology, 2019, 104, bjophthalmol-2019-315212.	2.1	4
521	Clinical motivation and the needs for RIA in healthcare. , 2019, , 5-17.		2
522	Retinal biomarkers and cardiovascular disease: A clinical perspective. , 2019, , 299-318.		1
523	Vascular biomarkers for diabetes and diabetic retinopathy screening. , 2019, , 319-352.		1
524	Regional Patterns in Retinal Microvascular Network Geometry in Health and Disease. Scientific Reports, 2019, 9, 16340.	1.6	13
525	Artificial intelligence for pediatric ophthalmology. Current Opinion in Ophthalmology, 2019, 30, 337-346.	1.3	49
526	Retinal Vasculometry Associations with Cardiometabolic Risk Factors in the European Prospective Investigation of Cancer-Norfolk Study. Ophthalmology, 2019, 126, 96-106.	2.5	44
527	Retinal vascular changes and right ventricular structure and function: the MESA-Right Ventricle and MESA-Eye studies. Pulmonary Circulation, 2019, 9, 1-9.	0.8	5
528	Changes in Ganglion Cell-Inner Plexiform Layer Thickness and Retinal Microvasculature in Hypertension: An Optical Coherence Tomography Angiography Study. American Journal of Ophthalmology, 2019, 199, 167-176.	1.7	85
529	Ocular Blood Volume Index Based on Scattering Properties of Retinal Vessels Using Spectral Domain Optical Coherence Tomography. Current Eye Research, 2019, 44, 60-66.	0.7	1
530	Automated localization of optic disk in retinal fundus images using cluster region membership and vessel network. International Journal of Computers and Applications, 2019, 41, 343-358.	0.8	4
531	Associations between cannabis use and retinal vessel diameter in young adults. Schizophrenia Research, 2020, 219, 62-68.	1.1	6
532	Spectral-domain optical coherence tomography of retinal vessels in Waldenström's macroglobulinemia. Acta Ophthalmologica, 2020, 98, 153-157.	0.6	2
533	Alterations of retinal vessels in patients with sepsis. Journal of Clinical Monitoring and Computing, 2020, 34, 937-942.	0.7	7
534	Retinal vessel caliber and caliber responses in true normotensive black and white adults: The African-PREDICT study. Microvascular Research, 2020, 128, 103937.	1.1	9
535	Retinal vessel phenotype in patients with primary open-angle glaucoma. Acta Ophthalmologica, 2020, 98, e88-e93.	0.6	9

#	ARTICLE	IF	CITATIONS
536	Ophthalmic Issues in Chronic Kidney Disease. , 2020, , 425-439.		0
537	Retinal fundus imaging in bipolar disorder: A pilot study. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 85-86.	1.0	2
538	Alterations in retinal arteriolar microvascular structure associate with higher treatment burden in patients with diabetic macular oedema: results from a 12-month prospective clinical trial. <i>Acta Ophthalmologica</i> , 2020, 98, 353-359.	0.6	4
539	Simple non-mydratiac retinal photography is feasible and demonstrates retinal microvascular dilation in Chronic Obstructive Pulmonary Disease (COPD). <i>PLoS ONE</i> , 2020, 15, e0227175.	1.1	5
540	Structural analysis of retinal blood vessels in patients with COPD during a pulmonary rehabilitation program. <i>Scientific Reports</i> , 2020, 10, 31.	1.6	9
541	Microvascular function in non-dippers: Potential involvement of the salt sensitivity biomarker, marinobufagenin – The African PREDICT study. <i>Journal of Clinical Hypertension</i> , 2020, 22, 86-94.	1.0	5
542	Prediabetes influences the structure of the macula: thinning of the macula in the Northern Finland Birth Cohort. <i>British Journal of Ophthalmology</i> , 2021, 105, 1731-1737.	2.1	11
543	Skin auto-fluorescence as a measure of advanced glycation end-products is associated with microvascular health in patients with COPD. <i>Microvascular Research</i> , 2020, 132, 104053.	1.1	2
544	Retinal findings in patients with COVID-19: Results from the SERPICO-19 study. <i>EClinicalMedicine</i> , 2020, 27, 100550.	3.2	182
545	A deep-learning system for the assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre. <i>Nature Biomedical Engineering</i> , 2021, 5, 498-508.	11.6	131
546	Extended-Zone Retinal Vascular Caliber and Risk of Diabetic Retinopathy in Adolescents with Type 1 Diabetes. <i>Ophthalmology Retina</i> , 2020, 4, 1151-1157.	1.2	2
547	High myopia is protective against diabetic retinopathy via thinning retinal vein: A report from Fushun Diabetic Retinopathy Cohort Study (FS-DIRECT). <i>Diabetes and Vascular Disease Research</i> , 2020, 17, 147916412094098.	0.9	15
548	Retinal Vessel Analysis as a Novel Screening Tool to Identify Childhood Acute Lymphoblastic Leukemia Survivors at Risk of Cardiovascular Disease. <i>Journal of Pediatric Hematology/Oncology</i> , 2020, 42, e394-e400.	0.3	3
549	Retinal arteriolar and venular diameters are widened in patients with schizophrenia. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 619-621.	1.0	15
550	Microcirculatory model predicts blood flow and autoregulation range in the human retina: in vivo investigation with laser speckle flowgraphy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1253-H1273.	1.5	16
551	Role of CD 20+ T cells and related cytokines in mediating retinal microvascular changes and ocular complications in chronic-plaque type psoriasis. <i>Cytokine</i> , 2020, 136, 155253.	1.4	3
552	Association of glucose metabolism and retinopathy signs in non-diabetic individuals in midlife – The Northern Finland Birth Cohort 1966 study. <i>PLoS ONE</i> , 2020, 15, e0240983.	1.1	3
553	Characterization of the retinal vasculature in fundus photos using the PanOptic iExaminer system. <i>Eye and Vision (London, England)</i> , 2020, 7, 46.	1.4	4

#	ARTICLE	IF	CITATIONS
554	Retinal and Renal Microvasculature in Relation to Central Hemodynamics in 11-Year-Old Children Born Preterm or At Term. <i>Journal of the American Heart Association</i> , 2020, 9, e014305.	1.6	5
555	Association between Systemic Antioxidant Capacity and Retinal Vessel Diameters in Patients with Primary-Open Angle Glaucoma. <i>Life</i> , 2020, 10, 364.	1.1	5
556	Association of Retinal Microvascular Characteristics With Short-term Memory Performance in Children Aged 4 to 5 Years. <i>JAMA Network Open</i> , 2020, 3, e2011537.	2.8	10
557	Do body mass index and waist-to-height ratio over the preceding decade predict retinal microvasculature in 11-12 year olds and midlife adults?. <i>International Journal of Obesity</i> , 2020, 44, 1712-1722.	1.6	2
558	Association Between Maternal Prepregnancy Body Mass Index and Anthropometric Parameters, Blood Pressure, and Retinal Microvasculature in Children Age 4 to 6 Years. <i>JAMA Network Open</i> , 2020, 3, e204662.	2.8	21
559	Type 2 diabetes and HbA1c are independently associated with wider retinal arterioles: the Maastricht study. <i>Diabetologia</i> , 2020, 63, 1408-1417.	2.9	18
560	Children's microvascular traits and ambient air pollution exposure during pregnancy and early childhood: prospective evidence to elucidate the developmental origin of particle-induced disease. <i>BMC Medicine</i> , 2020, 18, 128.	2.3	10
561	Associations of retinal microvascular caliber with large arterial function and structure: A population-based study of 11 to 12 year-olds and midlife adults. <i>Microcirculation</i> , 2020, 27, e12642.	1.0	0
562	Inflammation mediates the relationship between obesity and retinal vascular calibre in 11-12 year-olds children and mid-life adults. <i>Scientific Reports</i> , 2020, 10, 5006.	1.6	4
563	Establishing reference values for macro- and microvascular measurements in 4-to-5 year-old children of the ENVIRONAGE prospective birth cohort. <i>Scientific Reports</i> , 2020, 10, 5107.	1.6	5
564	Leptin and the Retinal Microvasculature in Young Black and White Adults: The African-PREDICT Study. <i>Heart Lung and Circulation</i> , 2020, 29, 1823-1831.	0.2	3
565	Associations of Sleep Measures with Retinal Microvascular Diameters among Police Officers. <i>Ophthalmic Epidemiology</i> , 2020, 27, 487-497.	0.8	2
566	Effect of weight loss on the retinochoroidal structural alterations among patients with exogenous obesity. <i>PLoS ONE</i> , 2020, 15, e0235926.	1.1	16
567	Association between Retinal Vascular Geometric Changes and Cognitive Impairment: A Systematic		

#	ARTICLE	IF	CITATIONS
572	Comparison of Prediction Models based on Risk Factors and Retinal Characteristics Associated with Recurrence One Year after Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104581.	0.7	13
573	Deep Learning in Medical Image Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	33
574	Analysis of Foveal and Parafoveal Microvascular Density and Retinal Vessel Caliber Alteration in Inactive Gravesâ€™ Ophthalmopathy. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-8.	0.6	11
575	The Discriminative Efficacy of Retinal Characteristics on Two Traditional Chinese Syndromes in Association with Ischemic Stroke. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-8.	0.5	4
576	Automatic classification of retinal blood vessels based on multilevel thresholding and graph propagation. <i>Visual Computer</i> , 2021, 37, 1247-1261.	2.5	11
577	Retinal image measurements and their association with chronic kidney disease in Chinese patients with type 2 diabetes: the NCD study. <i>Acta Diabetologica</i> , 2021, 58, 363-370.	1.2	9
578	A systematic review and participant-level meta-analysis found little association of retinal microvascular caliber with reduced kidney function. <i>Kidney International</i> , 2021, 99, 696-706.	2.6	8
579	Sex steroids and markers of micro- and macrovascular damage among women and men from the general population. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1322-1330.	0.8	14
580	Retinal vascular findings in patients with COVID-19. <i>Therapeutic Advances in Ophthalmology</i> , 2021, 13, 251584142110304.	0.8	3
581	A new approach for retinal vessel differentiation using binary particle swarm optimization. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2021, 9, 510-522.	1.3	5
583	Clinically valid conclusions from retinal photographs need the best formulae. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 811-813.	1.0	4
584	Denser Retinal Microvascular Network Is Inversely Associated With Behavioral Outcomes and Sustained Attention in Children. <i>Frontiers in Neurology</i> , 2021, 12, 547033.	1.1	2
585	Retinal venular tortuosity and fractal dimension predict incident retinopathy in adults with type 2 diabetes: the Edinburgh Type 2 Diabetes Study. <i>Diabetologia</i> , 2021, 64, 1103-1112.	2.9	21
586	Comparing the associations of clinic vs. ambulatory blood pressure with subclinical organ damage in young healthy adults: the African-PREDICT study. <i>Hypertension Research</i> , 2021, 44, 840-849.	1.5	4
587	Multimodal Retinal Imaging for Detection of Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 615813.	1.7	8
588	Independent and Synergistic Effects of High Blood Pressure and Obesity on Retinal Vasculature in Young Children: The Hong Kong Children Eye Study. <i>Journal of the American Heart Association</i> , 2021, 10, e018485.	1.6	7
589	Retinal Width Estimation of High-Resolution Fundus Images For Diabetic Retinopathy Detection. , 2021, , .		1
590	Retinal arteriolar calibre and venular fractal dimension predict progression of proliferative diabetic retinopathy 6 months after panretinal photocoagulation: a prospective, clinical interventional study. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000661.	0.8	1

#	ARTICLE	IF	CITATIONS
591	Retinal vessel phenotype in patients with a history of retinal vein occlusion. <i>Ophthalmic Research</i> , 2021, , .	1.0	0
592	Diet quality trajectories and cardiovascular phenotypes/metabolic syndrome risk by 11â€“12 years. <i>International Journal of Obesity</i> , 2021, 45, 1392-1403.	1.6	6
593	Sex differences in the association of prediabetes and type 2 diabetes with microvascular complications and function: The Maastricht Study. <i>Cardiovascular Diabetology</i> , 2021, 20, 102.	2.7	23
594	Carotid stiffness is associated with retinal microvascular dysfunctionâ€”The Maastricht study. <i>Microcirculation</i> , 2021, 28, e12702.	1.0	4
595	Advanced Retinal Imaging and Ocular Parameters of the Rhesus Macaque Eye. <i>Translational Vision Science and Technology</i> , 2021, 10, 7.	1.1	13
596	Assessment of the impact of HIV infection and anti-retroviral treatment on the cardiometabolic health of pregnant mothers and their offspring (ARTMOMSBABES). <i>BMC Cardiovascular Disorders</i> , 2021, 21, 322.	0.7	3
597	RETINAL IMAGING AND ANALYSIS USING MACHINE LEARNING WITH INFORMATION FUSION OF THE FUNCTIONAL AND STRUCTURAL FEATURES BASED ON A DUAL-MODAL FUNDUS CAMERA. <i>Journal of Mechanics in Medicine and Biology</i> , 2021, 21, 2150030.	0.3	2
598	Retinal Vascular Caliber Association with Nonperfusion and Diabetic Retinopathy Severity Depends on Vascular Caliber Measurement Location. <i>Ophthalmology Retina</i> , 2021, 5, 571-579.	1.2	8
599	Socioeconomic inequalities, modifiable lifestyle risk factors, and retinal vessel calibers: The Africanâ€”PREDICT Study. <i>Microcirculation</i> , 2021, 28, e12714.	1.0	1
600	Air pollution and retinal vessel diameter and blood pressure in school-aged children in a region impacted by residential biomass burning. <i>Scientific Reports</i> , 2021, 11, 12790.	1.6	8
601	Comparisons between retinal vessel calibers and various optic disc morphologic parameters with different optic disc appearances: The Glaucoma Stereo Analysis Study. <i>PLoS ONE</i> , 2021, 16, e0250245.	1.1	2
602	Serum and Macular Carotenoids in Relation to Retinal Vessel Caliber Fifteen Years Later, in the Second Carotenoids in Age-Related Eye Disease Study. , 2021, 62, 20.		3
603	Vascular health assessment with flow-mediated dilatation and retinal image analysis: a pilot study in an adult population from Cape Town. <i>Cardiovascular Journal of Africa</i> , 2021, 32, 23-30.	0.2	6
604	Early-childhood BMI trajectories in relation to preclinical cardiovascular measurements in adolescence. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 322-329.	0.7	5
605	Evaluation of Retinal Structure in Pediatric Subjects With Vitamin D Deficiency. <i>American Journal of Ophthalmology</i> , 2022, 233, 30-37.	1.7	3
606	Risk Stratification Tool for Ischemic Stroke: A Risk Assessment Model Based on Traditional Risk Factors Combined With White Matter Lesions and Retinal Vascular Caliber. <i>Frontiers in Neurology</i> , 2021, 12, 696986.	1.1	4
607	Neurostructural correlates of retinal microvascular caliber in adolescent bipolar disorder. <i>JCPP Advances</i> , 0, , e12029.	1.4	4
608	Baseline extended zone retinal vascular calibers associate with sensory nerve abnormalities in adolescents with type 1 diabetes: A prospective longitudinal study. <i>Diabetic Medicine</i> , 2021, 38, e14662.	1.2	1

#	ARTICLE	IF	CITATIONS
609	Case Studies to Demonstrate Real-World Applications in Ophthalmic Image Analysis. Intelligent Systems Reference Library, 2022, , 83-125.	1.0	0
611	Comparison of Static Retinal Vessel Caliber Measurements by Different Commercially Available Platforms. Optometry and Vision Science, 2021, 98, 1104-1112.	0.6	3
612	U-Shaped Effect of Blood Pressure on Structural OCT Metrics and Retinal Perfusion in Ophthalmologically Healthy Subjects. , 2021, 62, 5.		15
613	Habitual intake of dietary advanced glycation end products is not associated with generalized microvascular function—the Maastricht Study. American Journal of Clinical Nutrition, 2022, 115, 444-455.	2.2	8
614	Retinal vessels modifications in acute and post-COVID-19. Scientific Reports, 2021, 11, 19373.	1.6	25
615	Analysis of retinal blood vessel diameters in patients with COPD undergoing a pulmonary rehabilitation program. Microvascular Research, 2022, 139, 104238.	1.1	1
616	Association of Retinal Microvascular Signs with Incident Atrial Fibrillation. Ophthalmology Retina, 2021, 5, 78-85.	1.2	2
617	Retinopathy Analysis Based on Deep Convolution Neural Network. Advances in Experimental Medicine and Biology, 2020, 1213, 107-120.	0.8	4
618	Exploiting the Retinal Vascular Geometry in Identifying the Progression to Diabetic Retinopathy Using Penalized Logistic Regression and Random Forests. Studies in Computational Intelligence, 2016, , 381-400.	0.7	2
619	Automatic Optic Disc and Fovea Detection in Retinal Images Using Super-Elliptical Convergence Index Filters. Lecture Notes in Computer Science, 2016, , 697-706.	1.0	22
620	Measurement of Retinal Vessel Diameters. , 2012, , 101-122.		2
621	Computer estimation of the AVR parameter in diabetic retinopathy. IFMBE Proceedings, 2009, , 141-144.	0.2	8
623	Automatic Arteriovenous Ratio Computation: Emulating the Experts. International Federation for Information Processing, 2012, , 563-570.	0.4	6
624	Microvascular changes at different stages of chronic kidney disease. Journal of Clinical Hypertension, 2021, 23, 309-316.	1.0	5
625	Ocular microvascular changes in patients with sepsis: a prospective observational study. Annals of Intensive Care, 2020, 10, 38.	2.2	14
626	Segmentation of the Vascular Network of the Retina. , 2014, , 101-126.		7
627	Sex-Specific Association Between Serum Uric Acid and Retinal Microvessels. Medical Science Monitor, 2019, 25, 9973-9980.	0.5	6
628	Retinal Vessel Width Measurement at Branchings Using an Improved Electric Field Theory-Based Graph Approach. PLoS ONE, 2012, 7, e49668.	1.1	5

#	ARTICLE	IF	CITATIONS
629	Retinal Arterioles Narrow with Increasing Duration of Anti-Retroviral Therapy in HIV Infection: A Novel Estimator of Vascular Risk in HIV?. PLoS ONE, 2012, 7, e51405.	1.1	21
630	Evaluation of the Retinal Vasculature in Hypertension and Chronic Kidney Disease in an Elderly Population of Irish Nuns. PLoS ONE, 2015, 10, e0136434.	1.1	25
631	Associations between Retinal Markers of Microvascular Disease and Cognitive Impairment in Newly Diagnosed Type 2 Diabetes Mellitus: A Case Control Study. PLoS ONE, 2016, 11, e0147160.	1.1	16
632	Comparisons of retinal vessel diameter and glaucomatous parameters between both eyes of subjects with clinically unilateral pseudoexfoliation syndrome. PLoS ONE, 2017, 12, e0179663.	1.1	11
633	Retinal Artery/Vein Classification via Graph Cut Optimization. , 0, , .		9
634	Update on retinal vascular caliber. Romanian Journal of Ophthalmology, 2017, 61, 171-180.	0.4	15
635	Hyperuricemia accompanied with changes in the retinal microcirculation in a Chinese high-risk population for diabetes. Biomedical and Environmental Sciences, 2011, 24, 146-54.	0.2	15
636	Characteristics of Retinal Image Associated with Premature Ovarian Insufficiency. SSRN Electronic Journal, 0, , .	0.4	0
637	Vessel Evaluation in Patients with Primary Open-Angle Glaucoma, Normal Tension Glaucoma and Healthy Controls. Clinical Ophthalmology, 2021, Volume 15, 4269-4280.	0.9	0
638	Higher prevalence of diabetic retinopathy among female Chinese diabetic patients with metabolic syndrome. Japanese Journal of Ophthalmology, 2021, , 1.	0.9	3
639	Retinal venular oxygen saturation is associated with nonâ€proliferative diabetic retinopathy in young patients with type 1 diabetes. Acta Ophthalmologica, 2022, 100, 388-394.	0.6	4
640	Thyroid Status and Brain Circulation: The Rotterdam Study. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e1293-e1302.	1.8	7
642	Retinal Vascular Changes as Biomarkers of Systemic Cardiovascular Diseases. , 2009, , .		1
644	The Significance of the Vessel Registration for a Reliable Computation of Arteriovenous Ratio. Lecture Notes in Computer Science, 2012, , 347-354.	1.0	0
645	The Microcirculation and Hypertension. , 2012, , 213-224.		28
646	Retinal Vessels Diameter Changes during Pregnancy in Type 1 Diabetes. Open Journal of Ophthalmology, 2013, 03, 27-32.	0.1	0
647	Childhood Obesity, Body Fatness Indices, and Retinal Vasculature. , 2014, , 201-209.		0
649	Retinal Vascular Imaging in Clinical Research. , 2014, , 1-20.		0

#	ARTICLE	IF	CITATIONS
650	Computer-aided diagnosis system for the assessment of retinal vascular changes. , 0, , .		3
652	Effects of two different doses of intravitreal bevacizumab on subfoveal choroidal thickness and retinal vessel diameter in branch retinal vein occlusion. International Journal of Ophthalmology, 2016, 9, 999-1005.	0.5	12
653	Clinical Trial Protocols. , 2017, , 231-237.		0
654	Validation Study on Retinal Vessel Caliber Measurement Technique. Lecture Notes in Computational Vision and Biomechanics, 2018, , 818-826.	0.5	0
655	Fully-automated segmentation of optic disk from retinal images using deep learning techniques. , 2019, , .		0
656	Arteriovenous classification method using convolutional neural network for early detection of retinal vascular lesion. , 2019, , .		1
658	Cardiovascular Risk Markers and Cognitive Performance in Children. Journal of Pediatrics, 2020, 224, 162-165.e1.	0.9	5
659	Simultaneous Artery-vein Segmentation in Fundus Images Using an Improved Fully Convolutional Network. , 2020, , .		0
660	Trimethylamine N-oxide (TMAO) Is not Associated with Cardiometabolic Phenotypes and Inflammatory Markers in Children and Adults. Current Developments in Nutrition, 2021, 5, nzaa179.	0.1	15
661	The role of retinal imaging in Alzheimer's disease. , 2020, , 345-363.		0
662	Retinal vascular diameter changes assessed with a computer-assisted software after strabismus surgery. International Journal of Ophthalmology, 2020, 13, 620-624.	0.5	4
663	A Study of the Association Between Retinal Vessel Geometry and Optical Coherence Tomography Angiography Metrics in Diabetic Retinopathy. , 2021, 62, 14.		2
667	Assessment of the Cardiovascular Risk Profile of Infants Exposed to Pre-eclampsia in-utero: A Prospective Case-Control Study in South African Children of African Ancestry. Frontiers in Cardiovascular Medicine, 2021, 8, 773841.	1.1	0
668	A Novel Prediction Framework for Two-Year Stroke Recurrence Using Retinal Images. Lecture Notes in Computer Science, 2021, , 279-288.	1.0	0
669	Prenatal exposure to phthalates and phenols and preclinical vascular health during early adolescence. International Journal of Hygiene and Environmental Health, 2022, 240, 113909.	2.1	11
670	Retinal Vascular Caliber Changes in Early Type 2 Diabetic Patients without Retinopathy. Journal of Korean Ophthalmological Society, 2022, 63, 20-26.	0.0	0
671	Detection and Grading of Hypertensive Retinopathy Using Vessels Tortuosity and Arteriovenous Ratio. Journal of Digital Imaging, 2022, 35, 281-301.	1.6	17
672	Flicker-induced retinal vascular dilation in ipsi- and contralateral eyes of patients with carotid stenosis before and after carotid endarterectomy: a prospective study. Acta Ophthalmologica, 2022, , .	0.6	1

#	ARTICLE	IF	CITATIONS
673	Retinal Oxygen Delivery and Extraction in Ophthalmologically Healthy Subjects With Different Blood Pressure Status. <i>Translational Vision Science and Technology</i> , 2022, 11, 9.	1.1	3
674	Dietary Vitamins A, C, and Potassium Intake Is Associated With Narrower Retinal Venular Caliber. <i>Frontiers in Medicine</i> , 2022, 9, 818139.	1.2	2
675	Retinal vascular caliber in patients with newly diagnosed iron deficiency anemia. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102751.	1.3	2
676	Retinal Microvasculature And Immune Restoration Among South Eastern Asian HIV/AIDS Patients Over A 9-Month Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, Publish Ahead of Print, .	0.9	0
677	Human-Like Rule Learning from Images Using One-Shot Hypothesis Derivation. <i>Lecture Notes in Computer Science</i> , 2022, , 234-250.	1.0	4
678	Evaluation of microvascular density and retinal vessel diameter in gestational and type 2 diabetes using swept-source OCT-A technology. <i>Journal Francais D'Ophthalmologie</i> , 2022, 45, 430-437.	0.2	2
679	Understanding Neurodegeneration from a Clinical and Therapeutic Perspective in Early Diabetic Retinopathy. <i>Nutrients</i> , 2022, 14, 792.	1.7	13
680	Changes of retinal structure and function in patients with internal carotid artery stenosis. <i>BMC Ophthalmology</i> , 2022, 22, 123.	0.6	6
681	Association of Central Retinal Arteriolar and Venular Equivalents with Brain-aging and Macular Ganglion Cell-inner Plexiform Layer Thickness. <i>Ophthalmic Epidemiology</i> , 2023, 30, 103-111.	0.8	0
682	The application of arterioâ€venous ratio (AVR) cutâ€off values in clinic to stratify cardiovascular risk in patients. <i>Ophthalmic and Physiological Optics</i> , 2022, , .	1.0	3
683	A Deep Learning System for Fully Automated Retinal Vessel Measurement in High Throughput Image Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 823436.	1.1	14
684	Retinal vessel diameters: Can they predict future risk of infertility in patients with varicocele?. <i>Archivio Italiano Di Urologia Andrologia</i> , 2022, 94, 70-74.	0.4	0
685	Comparing Measurements of Vascular Diameter Using Adaptative Optics Imaging and Conventional Fundus Imaging. <i>Diagnostics</i> , 2022, 12, 705.	1.3	7
686	Role of Retinal Vessel Caliber Assessment in Predicting Hemorrhagic Strokeâ€Emerging Concepts. <i>Journal of Stroke Medicine</i> , 0, , 251660852210824.	0.2	1
687	Fenofibrate, which reduces risk of sightâ€threatening diabetic retinopathy in type 2 diabetes, is associated with early narrowing of retinal venules: a <sc>FIELD</sc> trial substudy. <i>Internal Medicine Journal</i> , 2022, 52, 676-679.	0.5	2
689	Retinal vessel multifractals predict pial collateral status in patients with acute ischemic stroke. <i>PLoS ONE</i> , 2022, 17, e0267837.	1.1	7
690	Concordance between SIVA, IVAN, and VAMPIRE Software Tools for Semi-Automated Analysis of Retinal Vessel Caliber. <i>Diagnostics</i> , 2022, 12, 1317.	1.3	6
691	Retinal vessel diameters and function in cardiovascular risk and disease. <i>Progress in Retinal and Eye Research</i> , 2022, 91, 101095.	7.3	21

#	ARTICLE	IF	CITATIONS
692	Association Between the Metabolic Syndrome and Retinal Microvascular Diameters Among Police Officers. <i>Journal of Occupational and Environmental Medicine</i> , 2022, 64, 748-753.	0.9	1
693	Alterations in the choroidal thickness and retinal vascular caliber in keratoconus. <i>International Ophthalmology</i> , 0, , .	0.6	2
694	The RETA Benchmark for Retinal Vascular Tree Analysis. <i>Scientific Data</i> , 2022, 9, .	2.4	5
695	Acute effects of caffeine and glucose intake on retinal vessel calibres in healthy volunteers. <i>International Ophthalmology</i> , 0, , .	0.6	0
696	Analysis of Retinal Blood Vessel Diameters in Pregnant Women Practicing Yoga: A Feasibility Study. <i>Healthcare (Switzerland)</i> , 2022, 10, 1356.	1.0	0
697	Relationship of Retinal Vessel Caliber with Age-Related Macular Degeneration. <i>Journal of Ophthalmology</i> , 2022, 2022, 1-8.	0.6	7
698	Ischemic and haemorrhagic stroke risk estimation using a machine-learning-based retinal image analysis. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	5
699	Obstructive sleep apnea, chronic obstructive pulmonary disease and hypertensive microvascular disease: a cross-sectional observational cohort study. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
700	Retinal microvascular function is associated with the cerebral microcirculation as determined by intravoxel incoherent motion MRI. <i>Journal of the Neurological Sciences</i> , 2022, 440, 120359.	0.3	4
701	Neurovascular correlates of retinal microvascular caliber in adolescent bipolar disorder. <i>Journal of Affective Disorders</i> , 2023, 320, 81-90.	2.0	2
703	Habitual intake of dietary methylglyoxal is associated with less low-grade inflammation: the Maastricht Study. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 1715-1728.	2.2	8
704	Screening of idiopathic epiretinal membrane using fundus images combined with blood oxygen saturation and vascular morphological features. <i>International Ophthalmology</i> , 2023, 43, 1215-1228.	0.6	3
705	Relationship of retinal vascular caliber with age and cardiometabolic diseases in the population over 50 years of age. <i>Vestnik Oftalmologii</i> , 2022, 138, 14.	0.1	0
706	Synthesizing realistic high-resolution retina image by style-based generative adversarial network and its utilization. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
707	Automated Retinal Blood Vessel Feature Extraction in Digital Fundus Images. , 2022, , .		1
709	Lower fractal dimension of retinal vessel for patients with BirdshotÂchorioretinopathy. <i>Acta Ophthalmologica</i> , 2023, 101, 392-402.	0.6	1
710	Sleep disordered breathing has minimal association with retinal microvascular diameters in a non-diabetic sleep clinic cohort. <i>PLoS ONE</i> , 2023, 18, e0279306.	1.1	0
711	Quantify retinal structure in high-altitude residents with and without high altitude polycythemia. <i>BMC Ophthalmology</i> , 2023, 23, .	0.6	0

#	ARTICLE	IF	CITATIONS
712	Retinal vessel diameters and microvascular abnormalities in patients with carotid stenosis before and 6 months after carotid endarterectomy: A prospective study. <i>Acta Ophthalmologica</i> , 0, , .	0.6	1
713	Assessments of Perfusion, Blood Flow, and Vascular Structure in Ambulatory Subjects: Guidance for Translational Research Scientists. <i>Journal of Vascular Research</i> , 2023, 60, 12-68.	0.6	0
714	Exposure to endocrine disrupters and cardiometabolic health effects in preschool children: Urinary parabens are associated with wider retinal venular vessels. <i>Chemosphere</i> , 2023, 328, 138570.	4.2	1
715	Retinal microvascular markers in type 2 diabetes subphenotypes and latent autoimmune diabetes of adults. <i>Acta Ophthalmologica</i> , 0, , .	0.6	0
716	Alterations in Retinal Vessel Diameters in Patients with Retinal Vein Occlusion before and after Treatment with Intravitreal Ranibizumab. <i>Journal of Personalized Medicine</i> , 2023, 13, 351.	1.1	0
717	Review and comparison of retinal vessel calibre and geometry software and their application to diabetes, cardiovascular disease, and dementia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 0, , .	1.0	0
718	Correlation Between Retinal Vessel Diameters and Uveitis Activity. , 2023, 64, 13.		0
719	Retinal vessel caliber and tortuosity and prediction of 5-year incidence of hypertension. <i>Journal of Hypertension</i> , 2023, 41, 830-837.	0.3	1
720	Retinal vein changes after treatment with aflibercept and PRP in high-risk proliferative diabetic retinopathy. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	1
721	Vascular Responses following Light Therapy: A Pilot Study with Healthy Volunteers. <i>Journal of Clinical Medicine</i> , 2023, 12, 2229.	1.0	1
722	The impact of the image conversion factor and image centration on retinal vessel geometric characteristics. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	0
723	An automatic AVR biomarker assessment system in retinal imaging. <i>Multimedia Tools and Applications</i> , 2023, 82, 36553-36575.	2.6	1
724	Retinal vessel geometry in patients with idiopathic epiretinal membrane. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
735	Recognition of Hypertension Through Retinal Fundus Images by Segmentation of Blood Vasculature. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 377-399.	0.3	0
738	Effects of firsthand tobacco smoking on retinal vessel caliber: a systematic review and meta-analysis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 0, , .	1.0	0
748	Few-Shot Learning of Diagnostic Rules for Neurodegenerative Diseases Using Inductive Logic Programming. <i>Lecture Notes in Computer Science</i> , 2023, , 109-123.	1.0	0