Tomoaki Shiba

List of Publications by Year
in descending order

34 papers	401 citations	1039406 9 h-index	887659 17 g-index
34 all docs	34 docs citations	34 times ranked	287 citing authors

#	Article	IF	Citations
1	Optic Nerve Head Circulation Determined by Pulse Wave Analysis is Significantly Correlated with Cardio Ankle Vascular Index, Left Ventricular Diastolic Function, and Age. Journal of Atherosclerosis and Thrombosis, 2012, 19, 999-1005.	0.9	51
2	Pulse-wave analysis of optic nerve head circulation is significantly correlated with brachialâ€“ankle pulse-wave velocity, carotid intimaâ€“media thickness, and age. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1275-1281.	1.0	48
3	Changes in the Blood Flow of the Optic Nerve Head Induced by Different Concentrations of Epinephrine in Intravitreal Infusion During Vitreous Surgery. , 2014, 55, 1625.		30
4	Pulse waveform analysis of optic nerve head circulation for predicting carotid atherosclerotic changes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2285-2291.	1.0	25
5	Arterial stiffness shown by the cardio-ankle vascular index is an important contributor to optic nerve head microcirculation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 99-105.	1.0	22
6	Comparison of Short-Term Effects of Diquafosol and Rebamipide on Mucin 5AC Level on the Rabbit Ocular Surface. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 493-497.	0.6	20
7	Pulse waveform analysis in the optic nerve head circulation reflects systemic vascular resistance obtained via a Swanâ€“Ganz catheter. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1195-1200.	1.0	18
8	Pulse-Wave Analysis of Optic Nerve Head Circulation Is Significantly Correlated with Kidney Function in Patients with and without Chronic Kidney Disease. Journal of Ophthalmology, 2014, 2014, 1-6.	0.6	16
9	Relationship between glycosylated hemoglobin A1c and ocular circulation by laser speckle flowgraphy in patients with/without diabetes mellitus. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1801-1809.	1.0	15
10	The influences of gender and aging on optic nerve head microcirculation in healthy adults. Scientific Reports, 2019, 9, 15636.	1.6	14
11	Pulse Waveform Analysis in Ocular Microcirculation by Laser Speckle Flowgraphy in Patients with Left Ventricular Systolic and Diastolic Dysfunction. Journal of Vascular Research, 2018, 55, 329-337.	0.6	11
12	Characterization of laser speckle flowgraphy pulse waveform parameters for the evaluation of the optic nerve head and retinal circulation. Scientific Reports, 2021, 11, 6847.	1.6	11
13	Ocular and Systemic Factors Affecting Laser Speckle Flowgraphy Measurements in the Optic Nerve Head. Translational Vision Science and Technology, 2021, 10, 13.	1.1	11
14	Reproducibility of Neonate Ocular Circulation Measurements Using Laser Speckle Flowgraphy. BioMed Research International, 2015, 2015, 1-6.	0.9	9
15	Relationship between Metabolic Syndrome and Ocular Microcirculation Shown by Laser Speckle Flowgraphy in a Hospital Setting Devoted to Sleep Apnea Syndrome Diagnostics. Journal of Diabetes Research, 2017, 2017, 1-10.	1.0	9
16	Influence of age and gender on the pulse waveform in optic nerve head circulation in healthy men and women. Scientific Reports, 2019, 9, 17895.	1.6	8
17	Ocular blood flow values measured by laser speckle flowgraphy correlate with the postmenstrual age of normal neonates. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1631-1636.	1.0	7
18	Retinal VEGF levels correlate with ocular circulation measured by a laser speckle-micro system in an oxygen-induced retinopathy rat model. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1981-1990.	1.0	7

#	Article	IF	Citations
19	The relationships between the pulsatile flow form of ocular microcirculation by laser speckle flowgraphy and the left ventricular end-diastolic pressure and mass. International Journal of Cardiovascular Imaging, 2018, 34, 1715-1723.	0.7	7
20	Arteriosclerotic Changes after Intravitreal Injections of Anti-Vascular Endothelial Growth Factor Drugs in Patients with Exudative Age-Related Macular Degeneration. Ophthalmologica, 2016, 235, 225-232.	1.0	6
21	Decreased ocular blood flow after photocoagulation therapy in neonatal retinopathy of prematurity. Japanese Journal of Ophthalmology, 2017, 61, 484-493.	0.9	6
22	Relationships among Ocular Blood Flow Shown by Laser Speckle Flowgraphy, Retinal Arteriosclerotic Change, and Chorioretinal Circulation Time Obtained by Fluorescein Angiography. Journal of Ophthalmology, 2017, 2017, 1-7.	0.6	6
23	Assessment of ocular microcirculation in patients with end-stage kidney disease. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 2335-2340.	1.0	6
24	Intravitreal bevacizumab treatment reduces ocular blood flow in retinopathy of prematurity: a four-case report. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 2241-2247.	1.0	6
25	Differences in optic nerve head microcirculation between evening and morning in patients with coronary artery disease. Microcirculation, 2017, 24, e12386.	1.0	5
26	Sleep-Disordered Breathing Is a Stronger Risk Factor for Proliferative Diabetic Retinopathy than Metabolic Syndrome and the Number of Its Individual Components. Seminars in Ophthalmology, 2019, 34, 59-65.	0.8	5
27	Relationship between plasma levels of vasoactive mediators and optic nerve head circulation shown by laser speckle flowgraphy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1033-1039.	1.0	4
28	Gender differences in the influence of obstructive sleep apnea on optic nerve head circulation. Scientific Reports, 2019, 9, 18849.	1.6	4
29	A Change in Ocular Circulation after Photocoagulation for Retinopathy of Prematurity in a Neonate. Case Reports in Ophthalmology, 2017, 8, 91-98.	0.3	3
30	The influence of hemorrhagic shock on ocular microcirculation by obtained by laser speckle flowgraphy in a white rabbit model. Microcirculation, 2021, 28, e12716.	1.0	3
31	Characteristics of laterality in the optic nerve head microcirculation obtained by laser speckle flowgraphy in healthy subjects. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 2799-2805.	1.0	3
32	Real-Time Evaluation of Regional Arterial Stiffening, Resistance, and Ocular Circulation During Systemic Administration of Adrenaline in White Rabbits. Translational Vision Science and Technology, 2021, 10, 11.	1.1	2
33	Effects of aging and exercise habits on blood flow profile of the ocular circulation. PLoS ONE, 2022, 17, e0266684.	1.1	2
34	Accurate evaluation of relationships among serum lipoprotein lipase mass, visceral fat, and retinal nerve fiber layer thickness. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1825-1826.	1.0	1