Marwan Suheimat

List of Publications by Year
in descending order

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43 papers	507 citations	759233 12 h-index	794594 19 g-index
43 all docs	43 docs citations	43 times ranked	429 citing authors

#	Article	IF	Citations
1	Three-dimensional MRI study of the relationship between eye dimensions, retinal shape and myopia. Biomedical Optics Express, 2017, 8, 2386.	2.9	54
2	Peripheral Refraction, Peripheral Eye Length, and Retinal Shape in Myopia. Optometry and Vision Science, 2016, 93, 1072-1078.	1.2	48
3	Change in human lens dimensions, lens refractive index distribution and ciliary body ring diameter with accommodation. Biomedical Optics Express, 2018, 9, 1272.	2.9	35
4	Amplitude of Accommodation in Type 1 Diabetes. Investigative Ophthalmology and Visual Science, 2014, 55, 7014-7018.	3.3	29
5	Anterior Corneal, Posterior Corneal, and Lenticular Contributions to Ocular Aberrations. , 2016, 57, 5263.		28
6	Validation of a partial coherence interferometry method for estimating retinal shape. Biomedical Optics Express, 2015, 6, 3235.	2.9	24
7	Differences in retinal shape between East Asian and Caucasian eyes. Ophthalmic and Physiological Optics, 2017, 37, 275-283.	2.0	24
8	Biometry of eyes in type 1 diabetes. Biomedical Optics Express, 2015, 6, 702.	2.9	21
9	Lens Shape and Refractive Index Distribution in Type 1 Diabetes. , 2015, 56, 4759.		20
10	Do smallâ€aperture presbyopic corrections influence the visual field?. Ophthalmic and Physiological Optics, 2016, 36, 51-59.	2.0	18
11	Refractive indices used by the Haagâ€Streit Lenstar to calculate axial biometric dimensions. Ophthalmic and Physiological Optics, 2015, 35, 90-96.	2.0	17
12	Peripheral aberrations in adult hyperopes, emmetropes and myopes. Ophthalmic and Physiological Optics, 2017, 37, 151-159.	2.0	17
13	Glare-free retinal imaging using a portable light field fundus camera. Biomedical Optics Express, 2018, 9, 3178.	2.9	15
14	Accommodation lags are higher in myopia than in emmetropia: Measurement methods and metrics matter. Ophthalmic and Physiological Optics, 2022, 42, 1103-1114.	2.0	15
15	Influence of Gravity on Ocular Lens Position. , 2016, 57, 1885.		14
16	Relationship between retinal distance and object field angles for finite schematic eyes. Ophthalmic and Physiological Optics, 2016, 36, 404-410.	2.0	12
17	Nasal-temporal asymmetry in peripheral refraction with an aspheric myopia control contact lens. Biomedical Optics Express, 2020, 11, 7376.	2.9	12
18	Straylight, lens yellowing and aberrations of eyes in Type 1 diabetes. Biomedical Optics Express, 2015, 6, 1282.	2.9	11

#	Article	IF	Citations
19	Ciliary Muscle Dimension Changes With Accommodation Vary in Myopia and Emmetropia. , 2022, 63, 24.		11
20	Peripheral Refraction Validity of the Shin-Nippon SRW5000 Autorefractor. Optometry and Vision Science, 2016, 93, 1254-1261.	1.2	10
21	Mirror Symmetry of Peripheral Monochromatic Aberrations in Fellow Eyes of Isomyopes and Anisomyopes. , 2016, 57, 3422.		8
22	Effect of Accommodation on Peripheral Eye Lengths of Emmetropes and Myopes. Optometry and Vision Science, 2017, 94, 361-369.	1.2	8
23	Time Course of Pupil Center Location after Ocular Drug Application. Optometry and Vision Science, 2016, 93, 594-599.	1.2	7
24	Influence of eye rotation on peripheral eye length measurement obtained with a partial coherence interferometry instrument. Ophthalmic and Physiological Optics, 2014, 34, 82-88.	2.0	6
25	Pilot Study. Optometry and Vision Science, 2015, 92, 267-271.	1.2	6
26	The use of autorefractors using the imageâ€size principle in determining onâ€axis and offâ€axis refraction. Part 2: Theoretical study of peripheral refraction with the Grand Seiko AutoRef/Keratometer WAMâ€5500. Ophthalmic and Physiological Optics, 2022, 42, 293-300.	2.0	6
27	Standardizing sum-of-segments axial length using refractive index models. Biomedical Optics Express, 2020, 11, 5860.	2.9	5
28	Fixation Stability with Bessel Beams. Optometry and Vision Science, 2019, 96, 95-102.	1.2	4
29	The use of autorefractors using the imageâ€size principle in determining onâ€axis and offâ€axis refraction. Part 1: Analysis of optical principles of autorefractors. Ophthalmic and Physiological Optics, 2022, 42, 283-292.	2.0	4
30	Peripheral detection and resolution with mid-/long-wavelength and short-wavelength sensitive cone systems. Journal of Vision, 2016, 16, 21.	0.3	3
31	Improvements to Phakometry Using Bessel Beams. Optometry and Vision Science, 2017, 94, 1015-1021.	1.2	3
32	Peripheral Monochromatic Aberrations in Young Adult Caucasian and East Asian Eyes. Optometry and Vision Science, 2018, 95, 234-238.	1.2	3
33	Theoretical Study of Refraction Effects of Plano Ophthalmic Prisms. Optometry and Vision Science, 2019, 96, 35-42.	1.2	3
34	Subjective measurement of the Stiles-Crawford effect with different field sizes. Biomedical Optics Express, 2021, 12, 4969.	2.9	2
35	Defocused contrast sensitivity function in peripheral vision. Ophthalmic and Physiological Optics, 2022, 42, 384-392.	2.0	2
36	Author Response: Gravity Affects Lens Position During Accommodation. , 2016, 57, 4568.		1

#	Article	IF	Citations
37	Experimental Study of Refraction Effects of Nominally Plano Ophthalmic Prisms and Magnifying Lenses. Optometry and Vision Science, 2019, 96, 111-116.	1.2	1
38	Visual Field Coordinates of Pupillary Circular Axis and Optical Axis. Optometry and Vision Science, 2014, 91, 582-587.	1.2	0
39	Author Response: Gravity Affects Amplitude of Accommodation. , 2016, 57, 4571.		0
40	Peripheral Monochromatic Aberrations in Young Adult Caucasian and East Asians. , 2017, , .		0
41	Subjective measurement of the Stilesâ€Crawford effect of the first kind with variation in accommodation. Ophthalmic and Physiological Optics, 2021, 41, 1110-1118.	2.0	0
42	Improvements to Phakometry through use of Bessel beams. , 2016, , .		0
43	Digital holographic microscope for human eye retinal structures recording in vivo. Applied Optics, 2021, 60, A173.	1.8	0