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List of Publications by Year
in descending order

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70 papers	1,212 citations	430754 18 h-index	395590 33 g-index
72 all docs	72 docs citations	72 times ranked	1003 citing authors

#	Article	IF	Citations
1	Blink Rate, Blink Amplitude, and Tear Film Integrity during Dynamic Visual Display Terminal Tasks. Current Eye Research, 2011, 36, 190-197.	0.7	172
2	Objective optical assessment of tear-film quality dynamics in normal and mildly symptomatic dry eyes. Journal of Cataract and Refractive Surgery, 2011, 37, 1481-1487.	0.7	100
3	Optical quality and intraocular scattering in a healthy young population. Australasian journal of optometry, The, 2011, 94, 223-229.	0.6	81
4	Intra- and Intersession Repeatability of a Double-Pass Instrument. Optometry and Vision Science, 2010, 87, 675-681.	0.6	57
5	Optical quality of foldable monofocal intraocular lenses before and after injection. Journal of Cataract and Refractive Surgery, 2009, 35, 1415-1423.	0.7	54
6	Optical Quality One Month After Verisyse and Veriflex Phakic IOL Implantation and Zeiss MEL 80 LASIK for Myopia From 5.00 to 16.50 Diopters. Journal of Refractive Surgery, 2009, 25, 689-698.	1.1	52
7	Grading nuclear, cortical and posterior subcapsular cataracts using an objective scatter index measured with a double-pass system. British Journal of Ophthalmology, 2012, 96, 1204-1210.	2.1	50
8	Optical Technologies for the Improvement of Skin Cancer Diagnosis: A Review. Sensors, 2021, 21, 252.	2.1	44
9	Optical quality after myopic photorefractive keratectomy and laser in situ keratomileusis: Comparison using a double-pass system. Journal of Cataract and Refractive Surgery, 2012, 38, 16-27.	0.7	43
10	Effects of aging on optical quality and visual function. Australasian journal of optometry, The, 2016, 99, 518-525.	0.6	41
11	Visible and Extended Near-Infrared Multispectral Imaging for Skin Cancer Diagnosis. Sensors, 2018, 18, 1441.	2.1	34
12	Characterization of the human iris spectral reflectance with a multispectral imaging system. Applied Optics, 2008, 47, 5622.	2.1	31
13	Effect of laser in situ keratomileusis on vision analyzed using preoperative optical quality. Journal of Cataract and Refractive Surgery, 2010, 36, 1945-1953.	0.7	29
14	Double-pass technique and compensation-comparison method in eyes with cataract. Journal of Cataract and Refractive Surgery, 2016, 42, 1461-1469.	0.7	27
15	Optimized algorithm for the spatial nonuniformity correction of an imaging system based on a charge-coupled device color camera. Applied Optics, 2007, 46, 167.	2.1	22
16	Comparing Autorefractors for Measurement of Accommodation. Optometry and Vision Science, 2015, 92, 1003-1011.	0.6	22
17	Multispectral system for reflectance reconstruction in the near-infrared region. Applied Optics, 2006, 45, 4241.	2.1	19
18	Task oriented visual satisfaction and wearing success with two different simultaneous vision multifocal soft contact lenses. Journal of Optometry, 2011, 4, 76-84.	0.7	19

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19	Visual and instrumental assessments of color differences in automotive coatings. Color Research and Application, 2016, 41, 384-391.	0.8	19
20	Repeatability of Aberrometric Measurements With a New Instrument for Vision Analysis Based on Adaptive Optics. Journal of Refractive Surgery, 2015, 31, 188-194.	1.1	18
21	Multispectral imaging system based on light-emitting diodes for the detection of melanomas and basal cell carcinomas: a pilot study. Journal of Biomedical Optics, 2017, 22, 065006.	1.4	17
22	Spherical subjective refraction with a novel 3D virtual reality based system. Journal of Optometry, 2017, 10, 43-51.	0.7	16
23	A device for the color measurement and detection of spots on the skin. Skin Research and Technology, 2007, 14, 070309091702006-???.	0.8	15
24	Comparison between an objective and a psychophysical method for the evaluation of intraocular light scattering. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1293.	0.8	15
25	Temporal Stability in the Perception of Dry Eye Ocular Discomfort Symptoms. Optometry and Vision Science, 2010, 87, 1023-1029.	0.6	14
26	Ageâ€related changes in accommodation measured with a doubleâ€pass system. Ophthalmic and Physiological Optics, 2013, 33, 508-515.	1.0	13
27	Characterization of a digital camera as an absolute tristimulus colorimeter. , 2003, , .		12
28	Discrimination between Surgical and Nonsurgical Nuclear Cataracts Based on ROC Analysis. Current Eye Research, 2014, 39, 1187-1193.	0.7	11
29	Portable multispectral imaging system based on light-emitting diodes for spectral recovery from 370 to 1630â€‰â€‰nm. Applied Optics, 2014, 53, 3131.	0.9	11
30	Measuring the accommodative response with a double-pass system: Comparison with the Hartmann-Shack technique. Vision Research, 2012, 62, 26-34.	0.7	10
31	Optical quality and intraocular scattering assessed with a double-pass system in eyes with contact lens induced corneal swelling. Contact Lens and Anterior Eye, 2014, 37, 278-284.	0.8	10
32	The minimum number of measurements for colour, sparkle, and graininess characterisation in gonio-apparent panels. Coloration Technology, 2015, 131, 303-309.	0.7	10
33	Spectroscopic Evaluation of Red Blood Cells of Thalassemia Patients with Confocal Microscopy: A Pilot Study. Sensors, 2020, 20, 4039.	2.1	8
34	Fast visible and extended near-infrared multispectral fundus camera. Journal of Biomedical Optics, 2019, 24, 1.	1.4	8
35	Repeatability, reproducibility, and accuracy of a novel pushbroom hyperspectral system. Color Research and Application, 2014, 39, 549-558.	0.8	7
36	Speckle reduction in double-pass retinal images. Scientific Reports, 2019, 9, 4469.	1.6	7

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37	Influence of the Number of Samples of the Training Set on Accuracy of Color Measurement and Spectral Reconstruction. Journal of Imaging Science and Technology, 2010, 54, 30501-1-30501-10.	0.3	6
38	Iris color and texture: A comparative analysis of real irises, ocular prostheses, and colored contact lenses. Color Research and Application, 2011, 36, 373-382.	0.8	6
39	Comparison of the Adaptive Optics Vision Analyzer and the KRâ€1 W for measuring ocular wave aberrations. Australasian journal of optometry, The, 2017, 100, 26-32.	0.6	6
40	Experimental characterization of the speckle pattern at the output of a multimode optical fiber. Optics Express, 2019, 27, 27737.	1.7	6
41	Non-cycloplegic spherical equivalent refraction in adults: comparison of the double-pass system, retinoscopy, subjective refraction and a table-mounted autorefractor. International Journal of Ophthalmology, 2013, 6, 618-25.	0.5	6
42	Spectral LED-Based Tuneable Light Source for the Reconstruction of CIE Standard Illuminants. Lecture Notes in Computer Science, 2014, , 115-123.	1.0	5
43	Stray-light correction of in-water array spectroradiometers. Effects on underwater optical measurements. , 2008, , .		4
44	Luminance adaptation model for increasing the dynamic range of an imaging system based on a CCD camera. Optik, 2011, 122, 1367-1372.	1.4	4
45	Validation of a gonio-hyperspectral imaging system based on light-emitting diodes for the spectral and colorimetric analysis of automotive coatings. Applied Optics, 2017, 56, 7194.	0.9	4
46	Graininess characterization by multidimensional scaling. Journal of Modern Optics, 2019, 66, 929-938.	0.6	4
47	Handheld 3D Scanning System for In-Vivo Imaging of Skin Cancer. , 2014, , .		4
48	Spectral-reflectance reconstruction in the near-infrared region by use of conventional charge-coupled-device camera measurements. Applied Optics, 2003, 42, 1788.	2.1	3
49	Response to the Letter to the Editor by Dr van den Berg. Australasian journal of optometry, The, 2011, 94, 393-395.	0.6	3
50	Assessment of multifocal contact lens over-refraction using an infrared, open-field autorefractor: A preliminary study. Contact Lens and Anterior Eye, 2015, 38, 322-326.	0.8	3
51	Artwork imaging from 370 to 1630 nm using a novel multispectral system based on lightâ€emitting diodes. Color Research and Application, 2015, 40, 398-407.	0.8	3
52	Quantification of forward scattering based on the analysis of doubleâ€pass images in the frequency domain. Acta Ophthalmologica, 2019, 97, e1019-e1026.	0.6	3
53	System based on the contrast of Purkinje images to measure corneal and lens scattering. Biomedical Optics Express, 2018, 9, 4907.	1.5	3
54	Intra- and Intersession Repeatability of a Double-Pass Instrument: Erratum. Optometry and Vision Science, 2010, 87, 802.	0.6	2

#	ARTICLE	IF	CITATIONS
55	Camera-based colour measurement. , 2010, , 147-e2.		2
56	Use of Light-Emitting Diodes in Multispectral Systems Design: Variability of Spectral Power Distribution According to Angle and Time of Usage. Journal of Imaging Science and Technology, 2011, 55, 050501.	0.3	2
57	Multispectral imaging system based on light-emitting diodes for the detection of melanomas and basal cell carcinomas: a pilot study (erratum). Journal of Biomedical Optics, 2017, 22, 079801.	1.4	2
58	Texture Evaluation of Automotive Coatings by Means of a Gonio-Hyperspectral Imaging System Based on Light-Emitting Diodes. Coatings, 2020, 10, 320.	1.2	2
59	Method to reduce undesired multiple fundus scattering effects in double-pass systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 918.	0.8	2
60	Polarized Multispectral Imaging for the Diagnosis of Skin Cancer. Color and Imaging Conference, 2019, 2019, 381-385.	0.1	2
61	Terahertz-based system for dehydration analysis of hydrogel contact lenses. Optica Applicata, 2019, 49, .	0.1	2
62	Automatic multispectral ultraviolet, visible and near-infrared capturing system for the study of artwork. , 2011, , .		1
63	Study of skin cancer lesions through multispectral and 3D techniques. , 2019, , .		1
64	NIR spectrophotometric system based on a conventional CCD camera. , 2003, , .		0
65	Transmittance measurement of the in vivo human eye with a double-pass system. Optica Applicata, 2021, 51, .	0.1	0
66	A device for the color measurement and detection of spots on the skin. Proceedings of SPIE, 2006, , .	0.8	0
67	Multispectral and colour imaging systems for the detection of small vertebrate fossils: A preliminary study. Palaeontologia Electronica, 0, , .	0.9	0
68	Incoherent light sources for speckle reduction in double pass ocular imaging. , 2017, , .		0
69	Characterization of speckle patterns generated by a semiconductor laser with optical feedback for speckle reduction in retinal imaging instruments. , 2019, , .		0
70	Hyperspectral eye fundus imaging with extended spectral range towards the near infrared. , 2019, , .		0