

Mario Ettore Giardini

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

585
citations

623188

14
h-index

676716

22
g-index

48
all docs

48
docs citations

48
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Teleophthalmology techniques increase ophthalmic examination distance. <i>Eye</i> , 2021, 35, 1780-1781.	1.1	10
2	Live teleophthalmology avoids escalation of referrals to secondary care during COVID-19 lockdown. <i>Australasian journal of optometry, The</i> , 2021, 104, 711-716.	0.6	6
3	An Imaging-based Autorefractor. , 2021, , .		2
4	Stereo Vision based Optic Nerve Head 3D Reconstruction using a Slit Lamp fitted with Cameras: Performance Trial with an Eye Phantom. , 2021, , .		1
5	Screen and Virtual Reality-Based Testing of Contrast Sensitivity. , 2020, 2020, 6054-6057.		0
6	Low-Cost Eye Phantom for Stereophotogrammetry-Based Optic Nerve Head Topographical 3D Imaging. , 2020, 2020, 1604-1607.		0
7	Too Many Shades of Grey: Photometrically and Spectrally Mismatched Targets and Backgrounds in Printed Acuity Tests for Infants and Young Children. <i>Translational Vision Science and Technology</i> , 2020, 9, 12.	1.1	0
8	Extending the Reach and Task-Shifting Ophthalmology Diagnostics Through Remote Visualisation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1260, 161-174.	0.8	6
9	The potential and value of objective eye tracking in the ophthalmology clinic. <i>Eye</i> , 2019, 33, 1200-1202.	1.1	16
10	3D Reconstruction of the Optic Nerve Head of a Phantom Eye from Images Obtained using a Slit Lamp Fitted with Low Cost Add-Ons. , 2019, 2019, 4717-4720.		2
11	A review of feature-based retinal image analysis. <i>Expert Review of Ophthalmology</i> , 2017, 12, 207-220.	0.3	24
12	The Diabetic Retinopathy Screening Workflow. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 318-324.	1.3	48
13	Clinical Validation of a Smartphone-Based Adapter for Optic Disc Imaging in Kenya. <i>JAMA Ophthalmology</i> , 2016, 134, 151.	1.4	117
14	Photometric Compliance of Tablet Screens and Retro-Illuminated Acuity Charts As Visual Acuity Measurement Devices. <i>PLoS ONE</i> , 2016, 11, e0150676.	1.1	18
15	Electrophysiological and Anatomical Correlates of Spinal Cord Optical Coherence Tomography. <i>PLoS ONE</i> , 2016, 11, e0152539.	1.1	4
16	The Portable Eye Examination Kit: Mobile phones can screen for eye disease in low-resource settings. <i>IEEE Pulse</i> , 2015, 6, 15-17.	0.1	7
17	Towards a workflow driven design for mHealth devices within temporary eye clinics in low-income settings. , 2015, 2015, 7312-5.		1
18	How the smartphone is driving the eye-health imaging revolution. <i>Expert Review of Ophthalmology</i> , 2014, 9, 475-485.	0.3	21

#	ARTICLE	IF	CITATIONS
19	A smartphone based ophthalmoscope. , 2014, 2014, 2177-80.		40
20	A Raman spectroscopy bio-sensor for tissue discrimination in surgical robotics. Journal of Biophotonics, 2014, 7, 103-109.	1.1	22
21	Tissue surface as the reference arm in Fourier domain optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 071305.	1.4	10
22	Raman Spectroscopy Sensor for Surgical Robotics " Instrumentation and Tissue Differentiation Algorithm. , 2012, , .		1
23	An electrooptical muscle contraction sensor. Medical and Biological Engineering and Computing, 2010, 48, 731-734.	1.6	18
24	Diffuse reflectance measurement tool for laparoscopic surgery. Proceedings of SPIE, 2010, , .	0.8	1
25	A hybrid organic semiconductor/silicon photodiode for efficient ultraviolet photodetection. Optics Express, 2010, 18, 3219.	1.7	23
26	Probing for local activity-related modulation of the infrared backscattering of the brain cortex. Journal of Biophotonics, 2009, 2, 588-595.	1.1	3
27	Portable instrument for in-vivo infrared oxymetry using spread-spectrum modulation. Journal of Instrumentation, 2007, 2, P04005-P04005.	0.5	3
28	Home respiratory muscle training in patients with chronic obstructive pulmonary disease. Respiriology, 2006, 11, 799-804.	1.3	14
29	<title>Near-infrared spectroscopy study of tourniquet-induced forearm ischemia in patients with coronary artery disease</title>. , 2001, , .		1
30	<title>Microcontroller-based digital front-end for near-infrared spectroscopy</title>. , 2000, 3911, 338.		2
31	Capacitance-conductance investigation on the phase transitions in Ga nanoparticles. Thin Solid Films, 2000, 380, 230-232.	0.8	6
32	<title>Portable microcontroller-based instrument for near-infrared spectroscopy</title>. , 2000, , .		4
33	<title>Simple instrument for the characterization of diffuse reflectance</title>. , 1999, , .		2
34	Spectroscopic ellipsometry measurements on an anisotropic organic crystal: potassium acid phtalate. Thin Solid Films, 1998, 313-314, 347-350.	0.8	7
35	Frequency dependence of the dielectric and electro-optic response in suspensions of charged rod-like colloidal particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 140, 157-167.	2.3	11
36	Transient Electric Birefringence Study of Rod-Shaped Water-in-Oil Microemulsions. Langmuir, 1998, 14, 1-7.	1.6	24

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37	<title>Preliminary study of muscle contraction assessment by NIR spectroscopy</title>. , 1998, , .		7
38	Long-lived photoexcited states in polydiacetylenes with different molecular and supramolecular organization. Physical Review B, 1997, 56, 10264-10270.	1.1	20
39	Ellipsometric characterization of amorphous and polycrystalline silicon films deposited using a single wafer reactor. Applied Physics Letters, 1997, 70, 892-894.	1.5	16
40	Optical properties of polycrystalline silicon thin films deposited by single-wafer chemical vapor deposition. Thin Solid Films, 1997, 296, 91-93.	0.8	5
41	Effect of interchain separation on the photoinduced absorption spectra of polycarbazolyldiacetylenes. Physical Review B, 1996, 54, 16357-16360.	1.1	15
42	Electric Birefringence Study of Reaction-Limited Colloidal Aggregation. Journal of Colloid and Interface Science, 1995, 170, 50-56.	5.0	10
43	Apparatus for time-resolved measurements of acoustic birefringence in particle dispersions. Review of Scientific Instruments, 1995, 66, 1077-1082.	0.6	0
44	Relationship between dielectric properties and critical behavior of the electric birefringence in binary liquid mixtures. Physical Review E, 1994, 49, 5234-5237.	0.8	20
45	Kerr effect from fractal aggregates of polystyrene microspheres. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1994, 16, 1237-1241.	0.4	0
46	Electric birefringence study of the dielectric properties of anisotropic and electrically charged latex particles. European Physical Journal Special Topics, 1993, 03, C1-129-C1-142.	0.2	4
47	The Kerr effect in aqueous dispersions of anisotropic and electrically charged latex particles. Journal of Physics Condensed Matter, 1992, 4, 8683-8696.	0.7	11
48	Portable high-end instrument for in-vivo infrared spectroscopy using spread spectrum modulation. , 0, , .		2