

Mario Ettore Giardini

List of Publications by Year in descending order

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48
papers

585
citations

623734
14
h-index

677142
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. Eye, 2021, 35, 1780-1781.	2.1	10
2	Live teleophthalmology avoids escalation of referrals to secondary care during COVID-19 lockdown. Australasian journal of optometry, The, 2021, 104, 711-716.	1.3	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. Translational Vision Science and Technology, 2020, 9, 12.	2.2	0
8	Extending the Reach and Task-Shifting Ophthalmology Diagnostics Through Remote Visualisation. Advances in Experimental Medicine and Biology, 2020, 1260, 161-174.	1.6	6
9	The potential and value of objective eye tracking in the ophthalmology clinic. Eye, 2019, 33, 1200-1202.	2.1	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. Expert Review of Ophthalmology, 2017, 12, 207-220.	0.6	24
12	The Diabetic Retinopathy Screening Workflow. Journal of Diabetes Science and Technology, 2016, 10, 318-324.	2.2	48
13	Clinical Validation of a Smartphone-Based Adapter for Optic Disc Imaging in Kenya. JAMA Ophthalmology, 2016, 134, 151.	2.5	117
14	Photometric Compliance of Tablet Screens and Retro-Illuminated Acuity Charts As Visual Acuity Measurement Devices. PLoS ONE, 2016, 11, e0150676.	2.5	18
15	Electrophysiological and Anatomical Correlates of Spinal Cord Optical Coherence Tomography. PLoS ONE, 2016, 11, e0152539.	2.5	4
16	The Portable Eye Examination Kit: Mobile phones can screen for eye disease in low-resource settings. IEEE Pulse, 2015, 6, 15-17.	0.3	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. Expert Review of Ophthalmology, 2014, 9, 475-485.	0.6	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.	2.3	22
21	Tissue surface as the reference arm in Fourier domain optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 071305.	2.6	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.	2.8	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.	3.4	23
26	Probing for local activity-related modulation of the infrared backscattering of the brain cortex. Journal of Biophotonics, 2009, 2, 588-595.	2.3	3
27	Portable instrument for in-vivo infrared oxymetry using spread-spectrum modulation. Journal of Instrumentation, 2007, 2, P04005-P04005.	1.2	3
28	Home respiratory muscle training in patients with chronic obstructive pulmonary disease. Respiriology, 2006, 11, 799-804.	2.3	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.	1.8	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 phthalate. Thin Solid Films, 1998, 313-314, 347-350.	1.8	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.	4.7	11
36	Transient Electric Birefringence Study of Rod-Shaped Water-in-Oil Microemulsions. Langmuir, 1998, 14, 1-7.	3.5	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.	3.2	20
39	Ellipsometric characterization of amorphous and polycrystalline silicon films deposited using a single wafer reactor. Applied Physics Letters, 1997, 70, 892-894.	3.3	16
40	Optical properties of polycrystalline silicon thin films deposited by single-wafer chemical vapor deposition. Thin Solid Films, 1997, 296, 91-93.	1.8	5
41	Effect of interchain separation on the photoinduced absorption spectra of polycarbazolyldiacetylenes. Physical Review B, 1996, 54, 16357-16360.	3.2	15
42	Electric Birefringence Study of Reaction-Limited Colloidal Aggregation. Journal of Colloid and Interface Science, 1995, 170, 50-56.	9.4	10
43	Apparatus for timeâ€resolved measurements of acoustic birefringence in particle dispersions. Review of Scientific Instruments, 1995, 66, 1077-1082.	1.3	0
44	Relationship between dielectric properties and critical behavior of the electric birefringence in binary liquid mixtures. Physical Review E, 1994, 49, 5234-5237.	2.1	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.	1.8	11
48	Portable high-end instrument for in-vivo infrared spectroscopy using spread spectrum modulation. , 0, , .		2