

Mario Ettore Giardini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9503225/publications.pdf>

Version: 2024-02-01

48
papers

585
citations

623574

14
h-index

677027

22
g-index

48
all docs

48
docs citations

48
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Validation of a Smartphone-Based Adapter for Optic Disc Imaging in Kenya. JAMA Ophthalmology, 2016, 134, 151.	1.4	117
2	The Diabetic Retinopathy Screening Workflow. Journal of Diabetes Science and Technology, 2016, 10, 318-324.	1.3	48
3	A smartphone based ophthalmoscope. , 2014, 2014, 2177-80.		40
4	Transient Electric Birefringence Study of Rod-Shaped Water-in-Oil Microemulsions. Langmuir, 1998, 14, 1-7.	1.6	24
5	A review of feature-based retinal image analysis. Expert Review of Ophthalmology, 2017, 12, 207-220.	0.3	24
6	A hybrid organic semiconductor/silicon photodiode for efficient ultraviolet photodetection. Optics Express, 2010, 18, 3219.	1.7	23
7	A Raman spectroscopy bio-sensor for tissue discrimination in surgical robotics. Journal of Biophotonics, 2014, 7, 103-109.	1.1	22
8	How the smartphone is driving the eye-health imaging revolution. Expert Review of Ophthalmology, 2014, 9, 475-485.	0.3	21
9	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
10	Long-lived photoexcited states in polydiacetylenes with different molecular and supramolecular organization. Physical Review B, 1997, 56, 10264-10270.	1.1	20
11	An electrooptical muscle contraction sensor. Medical and Biological Engineering and Computing, 2010, 48, 731-734.	1.6	18
12	Photometric Compliance of Tablet Screens and Retro-Illuminated Acuity Charts As Visual Acuity Measurement Devices. PLoS ONE, 2016, 11, e0150676.	1.1	18
13	Ellipsometric characterization of amorphous and polycrystalline silicon films deposited using a single wafer reactor. Applied Physics Letters, 1997, 70, 892-894.	1.5	16
14	The potential and value of objective eye tracking in the ophthalmology clinic. Eye, 2019, 33, 1200-1202.	1.1	16
15	Effect of interchain separation on the photoinduced absorption spectra of polycarbolyldiacetylenes. Physical Review B, 1996, 54, 16357-16360.	1.1	15
16	Home respiratory muscle training in patients with chronic obstructive pulmonary disease. Respiriology, 2006, 11, 799-804.	1.3	14
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Electric Birefringence Study of Reaction-Limited Colloidal Aggregation. Journal of Colloid and Interface Science, 1995, 170, 50-56.	5.0	10
20	Tissue surface as the reference arm in Fourier domain optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 071305.	1.4	10
21	Teleophthalmology techniques increase ophthalmic examination distance. Eye, 2021, 35, 1780-1781.	1.1	10
22	Spectroscopic ellipsometry measurements on an anisotropic organic crystal: potassium acid phtalate. Thin Solid Films, 1998, 313-314, 347-350.	0.8	7
23	<title>Preliminary study of muscle contraction assessment by NIR spectroscopy</title>. , 1998, , .		7
24	The Portable Eye Examination Kit: Mobile phones can screen for eye disease in low-resource settings. IEEE Pulse, 2015, 6, 15-17.	0.1	7
25	Capacitance-conductance investigation on the phase transitions in Ga nanoparticles. Thin Solid Films, 2000, 380, 230-232.	0.8	6
26	Live teleophthalmology avoids escalation of referrals to secondary care during COVID-19 lockdown. Australasian journal of optometry, The, 2021, 104, 711-716.	0.6	6
27	Extending the Reach and Task-Shifting Ophthalmology Diagnostics Through Remote Visualisation. Advances in Experimental Medicine and Biology, 2020, 1260, 161-174.	0.8	6
28	Optical properties of polycrystalline silicon thin films deposited by single-wafer chemical vapor deposition. Thin Solid Films, 1997, 296, 91-93.	0.8	5
29	<title>Portable microcontroller-based instrument for near-infrared spectroscopy</title>. , 2000, , .		4
30	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
31	Electrophysiological and Anatomical Correlates of Spinal Cord Optical Coherence Tomography. PLoS ONE, 2016, 11, e0152539.	1.1	4
32	Portable instrument for in-vivo infrared oxymetry using spread-spectrum modulation. Journal of Instrumentation, 2007, 2, P04005-P04005.	0.5	3
33	Probing for local activityâ€related modulation of the infrared backscattering of the brain cortex. Journal of Biophotonics, 2009, 2, 588-595.	1.1	3
34	<title>Simple instrument for the characterization of diffuse reflectance</title>. , 1999, , .		2
35	<title>Microcontroller-based digital front-end for near-infrared spectroscopy</title>. , 2000, 3911, 338.		2
36	Portable high-end instrument for in-vivo infrared spectroscopy using spread spectrum modulation. , 0, , .		2

#	ARTICLE	IF	CITATIONS
37	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
38	An Imaging-based Autorefractor. , 2021, , .		2
39	<title>Near-infrared spectroscopy study of tourniquet-induced forearm ischemia in patients with coronary artery disease</title>. , 2001, , .		1
40	Diffuse reflectance measurement tool for laparoscopic surgery. Proceedings of SPIE, 2010, , .	0.8	1
41	Raman Spectroscopy Sensor for Surgical Robotics â€“ Instrumentation and Tissue Differentiation Algorithm. , 2012, , .		1
42	Towards a workflow driven design for mHealth devices within temporary eye clinics in low-income settings. , 2015, 2015, 7312-5.		1
43	Stereo Vision based Optic Nerve Head 3D Reconstruction using a Slit Lamp fitted with Cameras: Performance Trial with an Eye Phantom. , 2021, , .		1
44	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
45	Apparatus for timeâ€resolved measurements of acoustic birefringence in particle dispersions. Review of Scientific Instruments, 1995, 66, 1077-1082.	0.6	0
46	Screen and Virtual Reality-Based Testing of Contrast Sensitivity. , 2020, 2020, 6054-6057.		0
47	Low-Cost Eye Phantom for Stereophotogrammetry-Based Optic Nerve Head Topographical 3D Imaging. , 2020, 2020, 1604-1607.		0
48	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.	1.1	0