

Lino Misoguti

List of Publications by Year in descending order

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112
papers

2,650
citations

159358

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223531

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113
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docs citations

113
times ranked

2476
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the First-Order Molecular Hyperpolarizability Dispersion from Experimentally Obtained One- and Two-Photon Absorption. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2152-2159.	1.1	5
2	Effective π -electron number and symmetry perturbation effect on the two-photon absorption of oligofluorenes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18602-18609.	1.3	7
3	Investigation of the triplet excited state and application of cationic meso-tetra(cisplatin)porphyrins in antimicrobial photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102459.	1.3	13
4	Effects of meso-tetrakis (4-sulfonatophenyl) porphyrin (TPPS4) aggregation on its spectral and kinetic characteristics and singlet oxygen production. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120063.	2.0	8
5	Discrimination between two distinct nonlinear effects by polarization-resolved Z-scan measurements. <i>Optics Express</i> , 2020, 28, 3352.	1.7	14
6	Absolute Nonlinear Refractive Index Spectra Determination of Organic Molecules in Solutions. <i>Journal of Physical Chemistry A</i> , 2019, 123, 951-957.	1.1	8
7	Influence of lattice modifier on the nonlinear refractive index of tellurite glass. <i>Ceramics International</i> , 2017, 43, 15201-15204.	2.3	24
8	Measurement of third-order nonlinearities in selected solvents as a function of the pulse width. <i>Optics Express</i> , 2017, 25, 3553.	1.7	26
9	Nonlinear optical waveguides in As ₂ S ₃ -Ag ₂ S chalcogenide glass thin films. <i>Optical Materials Express</i> , 2017, 7, 93.	1.6	17
10	Measurement of nonlinear refractive indices of air, oxygen, and nitrogen in capillary by changing the temporal width of short laser pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 2233.	0.9	2
11	Comparative study of electronic and orientational nonlinear refractive indices with nonlinear ellipse rotation measurements. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, E40.	0.9	5
12	Spectral phase transfer from near IR to deep UV by broadband phase-matched four-wave mixing in an argon-filled hollow core waveguide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 195601.	0.6	3
13	Third-harmonic generation at the interfaces of a cuvette filled with selected organic solvents. <i>Applied Optics</i> , 2016, 55, 595.	2.1	3
14	GLASSY MATERIALS AND LIGHT: PART 1. <i>Quimica Nova</i> , 2016, , .	0.3	0
15	GLASSY MATERIALS AND LIGHT: PART 2. <i>Quimica Nova</i> , 2016, , .	0.3	0
16	Nonlinear ellipse rotation measurements in optical thick samples. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 653-658.	1.1	23
17	Femtosecond laser fabrication of waveguides in Rhodamine B-doped GPTS/TEOS-derived organic/silica monolithic xerogel. <i>Optical Materials</i> , 2015, 47, 310-314.	1.7	11
18	Excited-state absorption of meso-tetrasulfonatophenyl porphyrin: Effects of pH and micelles. <i>Optical Materials</i> , 2015, 42, 516-521.	1.7	11

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19	High-resolution nonlinear ellipse rotation measurements for 3D microscopy. , 2015, , .		1
20	New simple method for measuring nonlinear polarization ellipse rotation with high precision using a dual-phase lock-in. Proceedings of SPIE, 2014, , .	0.8	0
21	Accurate measurement of nonlinear ellipse rotation using a phase-sensitive method. Optics Express, 2014, 22, 25530.	1.7	31
22	Enhancement of laser induced Au nanoparticle formation by femtosecond pulse shaping. Laser Physics, 2013, 23, 076004.	0.6	0
23	Excited states absorption spectra of porphyrins “ Solvent effects. Chemical Physics Letters, 2013, 587, 118-123.	1.2	33
24	Influence of self-focusing of ultrashort laser pulses on optical third-harmonic generation at interfaces. Optics Letters, 2013, 38, 5165.	1.7	6
25	Enhancing multi-photon induced excitonic emission of ZnO single crystals by shaping fs laser pulses. Laser Physics Letters, 2013, 10, 105403.	0.6	1
26	Femtosecond laser induced synthesis of Au nanoparticles mediated by chitosan. Optics Express, 2012, 20, 518.	1.7	18
27	Femtosecond third-order nonlinear spectra of lead-germanium oxide glasses containing silver nanoparticles. Optics Express, 2012, 20, 6844.	1.7	43
28	Tunable second harmonic generation by phase-modulated ultrashort laser pulses. Applied Physics B: Lasers and Optics, 2012, 108, 727-731.	1.1	2
29	Excited-state dynamics of meso-tetrakis(sulfonatophenyl) porphyrin J-aggregates. Optical Materials, 2012, 34, 741-747.	1.7	27
30	Femtosecond Laser in Polymeric Materials: Microfabrication of Doped Structures and Micromachining. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 176-186.	1.9	59
31	Femtosecond third-harmonic generation in a glass ceramic containing sodium niobate nanocrystals. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1077.	0.9	4
32	Pulse train fluorescence technique for measuring triplet state dynamics. Optics Express, 2011, 19, 10813.	1.7	23
33	Broadband third-harmonic generation on interfaces using femtosecond pulses. Proceedings of SPIE, 2011, , .	0.8	3
34	COHERENT CONTROL OF GOLD NANOPARTICLES FORMATION. , 2011, , .		0
35	Dye aggregation and influence of pre-micelles on heterogeneous catalysis: A photophysical approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 76-82.	2.3	25
36	Selective excitation through tapered silica fibers of fluorescent two-photon polymerized structures. Applied Physics A: Materials Science and Processing, 2011, 102, 435-439.	1.1	9

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37	Nonlinear spectrum effect on the coherent control of molecular systems. Optics Communications, 2011, 284, 3433-3436.	1.0	5
38	Laser microstructuring for fabricating superhydrophobic polymeric surfaces. Applied Surface Science, 2011, 257, 3281-3284.	3.1	74
39	Third-order nonlinearity of Er ³⁺ -doped lead phosphate glass. Applied Physics B: Lasers and Optics, 2010, 99, 559-563.	1.1	11
40	Excited-state absorption spectroscopy in oxidized Cytochrome c. Optical Materials, 2010, 32, 526-529.	1.7	6
41	Degenerate Two-Photon Absorption in All-Trans Retinal: Nonlinear Spectrum and Theoretical Calculations. Journal of Physical Chemistry A, 2010, 114, 3466-3470.	1.1	17
42	Intrachain Energy Migration to Weak Charge-Transfer State in Polyfluorene End-Capped with Naphthalimide Derivative. Journal of Physical Chemistry A, 2010, 114, 12384-12390.	1.1	12
43	Two-photon absorption of perylene derivatives: Interpreting the spectral structure. Chemical Physics Letters, 2009, 479, 52-55.	1.2	10
44	Nonlinear refractive index of RECOB (RE = Gd and La) crystals. Applied Physics B: Lasers and Optics, 2009, 94, 221-225.	1.1	7
45	MEHPPV photobleaching control by femtosecond pulse shaping. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 126-130.	0.8	5
46	Control of Two-Photon Absorption in Organic Compounds by Pulse Shaping: Spectral Dependence. Journal of Physical Chemistry A, 2009, 113, 5594-5597.	1.1	13
47	Spectral-domain measurement of photo-induced birefringence in polymer. , 2009, , .		0
48	Two-photon absorption spectrum in diazoaromatic compounds. Chemical Physics Letters, 2008, 463, 360-363.	1.2	14
49	Hyper-Rayleigh scattering with picosecond pulse trains. Applied Optics, 2008, 47, 1443.	2.1	27
50	Spectrally resolved femtosecond Maker fringes technique. Applied Physics Letters, 2008, 92, 091109.	1.5	9
51	Heterodyne Z-scan measurements of slow absorbers. Journal of Applied Physics, 2007, 101, 063112.	1.1	8
52	Two-Photon Absorption Dependence on the Temperature for Azoaromatic Compounds: Effect of Molecular Conformation. Journal of Physical Chemistry A, 2007, 111, 6222-6224.	1.1	27
53	Two-photon induced anisotropy in PMMA film doped with Disperse Red 13. Optics Communications, 2007, 273, 435-440.	1.0	42
54	Z-scan theoretical analysis for three-, four- and five-photon absorption. Optics Communications, 2007, 277, 440-445.	1.0	87

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55	Influence of solvents on the photoinduced birefringence in chitosan films incorporating azo dyes. <i>Polymer International</i> , 2007, 56, 1288-1291.	1.6	3
56	Photoinduced birefringence in di-azo compounds in polystyrene and poly(methyl methacrylate) guest-host systems. <i>Optical Materials</i> , 2007, 30, 216-221.	1.7	28
57	Investigation of the Two-Photon Absorption Cross-Section in Perylene Tetracarboxylic Derivatives: Nonlinear Spectra and Molecular Structure. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6433-6438.	1.1	50
58	Precise control of superluminal and slow light propagation by transverse phase modulation. <i>Optics Express</i> , 2006, 14, 6201.	1.7	12
59	Nonlinear absorption spectrum of ytterbium bis-phthalocyanine solution measured by white-light continuum Z-scan technique. <i>Chemical Physics Letters</i> , 2006, 419, 417-420.	1.2	46
60	One- and two-photon induced birefringence in Salen dye cast films. <i>Optical Materials</i> , 2006, 28, 1118-1122.	1.7	12
61	Frequency doubling of phase-modulated chirped ultrashort laser pulses using a deformable mirror. <i>Laser Physics</i> , 2006, 16, 1058-1061.	0.6	1
62	Nonresonant third-order nonlinearity of antimony glasses at telecom wavelengths. <i>Journal of Applied Physics</i> , 2006, 100, 116105.	1.1	23
63	Two-photon absorption cross-section spectrum of a π -conjugated polymer obtained using the white-light continuum Z-scan technique. <i>Applied Physics Letters</i> , 2006, 88, 021911.	1.5	39
64	Singlet excited state absorption of porphyrin molecules for pico- and femtosecond optical limiting application. <i>Journal of Applied Physics</i> , 2006, 99, 123103.	1.1	37
65	Coherent control of optically induced birefringence in azoaromatic molecules. <i>Physical Review A</i> , 2006, 74, .	1.0	11
66	Reverse saturable absorption in 5,10,15,20-Tetra(4-pyridyl)-21H,23H-porphyrin with ruthenium outlying complexes. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1377-1782.	0.6	14
67	Ultrafast pulse optimization using two-photon absorption induced thermal lens. <i>Optics Communications</i> , 2005, 251, 423-428.	1.0	10
68	Two- and three-photon excited fluorescence in Y-shaped molecules. <i>Chemical Physics Letters</i> , 2005, 402, 474-478.	1.2	18
69	Degenerate Two-Photon Absorption Spectra in Azoaromatic Compounds. <i>ChemPhysChem</i> , 2005, 6, 1121-1125.	1.0	68
70	Perylene Derivatives with Large Two-Photon-Absorption Cross-Sections for Application in Optical Limiting and Upconversion Lasing. <i>Advanced Materials</i> , 2005, 17, 1890-1893.	11.1	118
71	Femtosecond pulse compression using the Z-scan technique and closed-loop evolutionary algorithm. <i>Journal of Applied Physics</i> , 2005, 98, 083521.	1.1	3
72	Nonlinear wave-mixing processes in the extreme ultraviolet. <i>Physical Review A</i> , 2005, 72, .	1.0	32

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73	Nonlinear Absorption Dynamics in Tetrapyrrolyl Metalloporphyrins. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17340-17345.	1.2	29
74	In situ UV-vis absorbance measurements for Langmuir films of poly[4-[[2-(methacryloyloxy)-ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) azopolymer. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 138-142.	5.0	9
75	Optical limiting of ultrashort pulses by carbon black suspension. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 1-3.	1.1	18
76	Excited-state absorption in oxidized cytochrome c solution. <i>Applied Physics B: Lasers and Optics</i> , 2004, 79, 751-754.	1.1	6
77	Y-Shaped Two-Photon Absorbing Molecules with an Imidazole-thiazole Core. <i>ChemInform</i> , 2004, 35, no.	0.1	0
78	Two-photon absorption in diazobenzene compounds. <i>Optical Materials</i> , 2004, 27, 441-444.	1.7	30
79	Two-photon absorption investigation in reduced and oxidized cytochrome c solutions. <i>Chemical Physics Letters</i> , 2004, 390, 506-510.	1.2	34
80	Y-shaped two-photon absorbing molecules with an imidazole-thiazole core. <i>Chemical Communications</i> , 2004, , 1178-1180.	2.2	37
81	Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution: A Competition between Two-Photon and Saturated Absorption Processes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5221-5224.	1.2	51
82	Z-scan measurements using femtosecond continuum generation. <i>Optics Express</i> , 2004, 12, 3921.	1.7	55
83	Two-photon absorption in perylene derivatives. <i>Chemical Physics Letters</i> , 2003, 371, 744-749.	1.2	43
84	The influence of pH in nonresonant third-order nonlinearities of amino acid solutions. <i>Optics Communications</i> , 2003, 216, 233-237.	1.0	7
85	Optical properties of L-threonine crystals. <i>Optical Materials</i> , 2003, 22, 235-240.	1.7	111
86	Frustrated total internal reflection: A simple application and demonstration. <i>American Journal of Physics</i> , 2003, 71, 494-496.	0.3	13
87	INFLUENCE OF PHOTODEGRADATION ON THE OPTICAL LIMITING PROCESS OF CHLOROPHYLL A. <i>Modern Physics Letters B</i> , 2003, 17, 83-87.	1.0	7
88	High-efficiency multipass optical limiter. <i>Optics Letters</i> , 2003, 28, 191.	1.7	8
89	Light-Induced Storage in Layer-by-Layer Films of Chitosan and an Azo Dye. <i>Biomacromolecules</i> , 2003, 4, 1502-1505.	2.6	49
90	Dynamic saturable optical nonlinearities in free base tetrapyrrolylporphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 452-456.	0.4	28

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91	Phase matching in cascaded third-order processes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 822.	0.9	33
92	Spontaneous Birefringence in Layer-by-Layer Films of Chitosan and Azo Dye Sunset Yellow. <i>Macromolecular Rapid Communications</i> , 2002, 23, 975-977.	2.0	21
93	Reverse saturable absorption in chlorophyll A solutions. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 559-561.	1.1	24
94	Femtosecond Z-scan measurements of nonlinear refraction in amino acid solutions. <i>Optical Materials</i> , 2002, 20, 153-157.	1.7	27
95	Two-photon absorption in azoaromatic compounds. <i>Chemical Physics Letters</i> , 2002, 361, 209-213.	1.2	49
96	Generation of Broadband VUV Light Using Third-Order Cascaded Processes. <i>Physical Review Letters</i> , 2001, 87, 013601.	2.9	96
97	Coherent Control of XUV Radiation. <i>Springer Series in Chemical Physics</i> , 2001, , 42-44.	0.2	0
98	Characterization of dynamic optical nonlinearities in ytterbium bis-phthalocyanine solution. <i>Chemical Physics Letters</i> , 2000, 323, 300-304.	1.2	36
99	Chromophore aggregation hampers photoisomerization in Langmuir-Blodgett films of stearyl ester of Disperse Red-13 (DR13St). <i>Chemical Physics Letters</i> , 2000, 317, 1-5.	1.2	31
100	Second harmonic pulse distortion by imperfect phase matching. <i>Optics Communications</i> , 2000, 174, 481-486.	1.0	6
101	Characterization of dynamic optical nonlinearities with pulse trains. <i>Applied Physics Letters</i> , 1999, 74, 1531-1533.	1.5	53
102	Storage Studies of Langmuir-Blodgett (LB) Films of Methacrylate Copolymers Derivatized with Disperse Red-13. <i>Macromolecules</i> , 1999, 32, 5277-5284.	2.2	50
103	Optically Induced Birefringence and Surface Relief Gratings in Composite Langmuir-Blodgett (LB) Films of Poly[4-[[2-(methacryloyloxy)ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) and Cadmium Stearate. <i>Macromolecules</i> , 1999, 32, 1493-1499.	2.2	66
104	Optical Storage in Mixed Langmuir-Blodgett (LB) Films of Disperse Red-19 Isophorone Polyurethane and Cadmium Stearate. <i>Langmuir</i> , 1999, 15, 4560-4564.	1.6	36
105	Z-scan measurements with Fourier analysis in ion-doped solids. <i>Applied Physics Letters</i> , 1997, 71, 2094-2096.	1.5	13
106	LAP single crystal growth free of microorganisms by an accurately controlled solvent evaporation technique. <i>Journal of Crystal Growth</i> , 1997, 173, 487-491.	0.7	18
107	An interference method for the determination of thin film anisotropy. <i>Thin Solid Films</i> , 1996, 279, 119-123.	0.8	8
108	Optical properties of L-alanine Organic Crystals. <i>Optical Materials</i> , 1996, 6, 147-152.	1.7	165

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109	Nonlinear optical response of hydrogenated amorphous silicon films studied by laser induced transient gratings. Applied Physics Letters, 1995, 66, 1089-1091.	1.5	6
110	Hydrogenated amorphous silicon films by 60 Hz glow discharge deposition. Journal of Applied Physics, 1993, 74, 668-671.	1.1	5
111	Nonlinear Optical Properties and Fatigue Effect in Porous Silicon. Materials Research Society Symposia Proceedings, 1993, 298, 217.	0.1	2
112	Control of high-order harmonic generation through shaped pulse optimization. , 0, , .		0