Leonardo De Boni

List of Publications by Year
in descending order

172	3,512	136740	243296
papers	citations	32 h-index	44 g-index

174	174	174	3501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Z-scan theoretical analysis for three-, four- and five-photon absorption. Optics Communications, 2007, 277, 440-445.	1.0	87
2	Effect of protonation on the photophysical properties of meso-tetra(sulfonatophenyl) porphyrin. Chemical Physics Letters, 2005, 407, 236-241.	1.2	75
3	Twoâ€Photon Absorption Circular Dichroism: A New Twist in Nonlinear Spectroscopy. Chemistry - A European Journal, 2010, 16, 3504-3509.	1.7	69
4	Degenerate Two-Photon Absorption Spectra in Azoaromatic Compounds. ChemPhysChem, 2005, 6, 1121-1125.	1.0	68
5	Optical Saturable Absorption in Gold Nanoparticles. Plasmonics, 2008, 3, 171-176.	1.8	61
6	Second- and third-order nonlinear optical properties of unsubstituted and mono-substituted chalcones. Chemical Physics Letters, 2016, 648, 91-96.	1.2	57
7	Z-scan measurements using femtosecond continuum generation. Optics Express, 2004, 12, 3921.	1.7	55
8	Fluorescence Emission of Disperse Red 1 in Solution at Room Temperature. Journal of Physical Chemistry B, 2008, 112, 929-937.	1.2	55
9	Molecular Structure â€“ Optical Property Relationships for a Series of Non-Centrosymmetric Two-photon Absorbing Push-Pull Triarylamine Molecules. Scientific Reports, 2014, 4, 4447.	1.6	55
10	First-Order Hyperpolarizability of Triphenylamine Derivatives Containing Cyanopyridine: Molecular Branching Effect. Journal of Physical Chemistry C, 2018, 122, 1770-1778.	1.5	55
11	Untangling the Excited States of DR1 in Solution:â€‰ An Experimental and Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 3886-3890.	1.1	54
12	Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution:Â A Competition between Two-Photon and Saturated Absorption Processes. Journal of Physical Chemistry B, 2004, 108, 5221-5224.	1.2	51
13	Generation of copper nanoparticles induced by fs-laser irradiation in borosilicate glass. Optics Express, 2012, 20, 15106.	1.7	50
14	Two-photon absorption in azoaromatic compounds. Chemical Physics Letters, 2002, 361, 209-213.	1.2	49
15	Studying the intersystem crossing rate and triplet quantum yield of meso-substituted porphyrins by means of pulse train fluorescence technique. Journal of Porphyrins and Phthalocyanines, 2016, 20, 282-291.	0.4	49
16	Third-order nonlinear spectra and optical limiting of lead oxifluoroborate glasses. Optics Express, 2011, 19, 17220.	1.7	47
17	Nonlinear absorption spectrum of ytterbium bis-phthalocyanine solution measured by white-light continuum Z-scan technique. Chemical Physics Letters, 2006, 419, 417-420.	1.2	46
18	Effects of interaction with CTAB micelles on photophysical characteristics of meso-tetrakis(sulfonatophenyl) porphyrin. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 378-384.	2.0	45

#	Article	IF	Citations
19	Ultrafast third-order optical nonlinearities of heavy metal oxide glasses containing gold nanoparticles. Optical Materials, 2014, 36, 829-832.	1.7	45
20	Two-photon absorption in perylene derivatives. Chemical Physics Letters, 2003, 371, 744-749.	1.2	43
21	Femtosecond third-order nonlinear spectra of lead-germanium oxide glasses containing silver nanoparticles. Optics Express, 2012, 20, 6844.	1.7	43
22	Two-photon induced anisotropy in PMMA film doped with Disperse Red 13. Optics Communications, 2007, 273, 435-440.	1.0	42
23	Resonant Nonlinear Absorption in Zn-Phthalocyanines. Journal of Physical Chemistry A, 2008, 112, 6803-6807.	1.1	41
24	Synchronized double L-scan technique for the simultaneous measurement of polarization-dependent two-photon absorption in chiral molecules. Optics Letters, 2008, 33, 2958.	1.7	40
25	Chalcone as Potential Nonlinear Optical Material: A Combined Theoretical, Structural, and Spectroscopic Study. Journal of Physical Chemistry C, 2019, 123, 5931-5941.	1.5	40
26	Two-photon absorption cross-section spectrum of a Ï€-conjugated polymer obtained using the white-light continuum Z-scan technique. Applied Physics Letters, 2006, 88, 021911.	1.5	39
27	DNA methylation alterations in iPSC- and hESC-derived neurons: potential implications for neurological disease modeling. Clinical Epigenetics, 2018, 10, 13.	1.8	39
28	Y-shaped two-photon absorbing molecules with an imidazoleâ€“thiazole core. Chemical Communications, 2004, , 1178-1180.	2.2	37
29	Nonlinear Optical Properties of Tungsten Leadâ€“Pyrophosphate Glasses Containing Metallic Copper Nanoparticles. Plasmonics, 2013, 8, 1667-1674.	1.8	37
30	Effect of interaction with micelles on the excited-state optical properties of zinc porphyrins and J-aggregates formation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 309-317.	2.0	37
31	Two-photon absorption investigation in reduced and oxidized cytochrome c solutions. Chemical Physics Letters, 2004, 390, 506-510.	1.2	34
32	Excited state absorption spectrum of chlorophyll a obtained with white-light continuum. Journal of Chemical Physics, 2007, 126, 165102.	1.2	34
33	Excited states absorption spectra of porphyrins â€“ Solvent effects. Chemical Physics Letters, 2013, 587, 118-123.	1.2	33
34	Nonlinear optical characterizations of dibenzoylmethane in solution. Optics Communications, 2013, 293, 119-124.	1.0	33
35	Excited State Dynamics of meso-Tetra(sulphonatophenyl) Metalloporphyrins. Journal of Physical Chemistry A, 2008, 112, 6522-6526.	1.1	32
36	Synthesis, photophysical properties and spectroelectrochemical characterization of 10-(4-methyl-bipyridyl)-5,15-(pentafluorophenyl)corrole. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 306-315.	2.0	31

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37	Threeâ€•and Fourâ€Photon Excitation of Poly(2â€•methoxyâ€5â€(2â€²â€•ethylhexyloxy)â€1,4â€•phenylenevinylene) (MEHâ€PPV). Advanced Materials, 2007, 19, 2653-2656.	11.1	30
38	Two-photon absorption spectra of Salen dye complexes with azo dyes. Chemical Physics Letters, 2007, 441, 221-225.	1.2	30
39	Linear and nonlinear optical characterizations of a monomeric symmetric squaraine-based dye in solution. Journal of Chemical Physics, 2009, 130, 214504.	1.2	30
40	Fluorescent PMMA/MEHâ€PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1388-1394.	2.4	30
41	Ultrafast Laser Pulses for Structuring Materials at Micro/Nano Scale: From Waveguides to Superhydrophobic Surfaces. Photonics, 2017, 4, 8.	0.9	30
42	Nonlinear Absorption Dynamics in Tetrapyridyl Metalloporphyrins. Journal of Physical Chemistry B, 2005, 109, 17340-17345.	1.2	29
43	Reverse saturable absorption dynamics in indocyanine green. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 190, 41-44.	2.0	29
44	Computational Challenges in Simulating and Analyzing Experimental Linear and Nonlinear Circular Dichroism Spectra.R-(+)-1,1â€²-Bis(2-naphthol) as a Prototype Case. Journal of Physical Chemistry B, 2011, 115, 811-824.	1.2	29
45	Linear and Nonlinear Optical Properties of the Thiophene/Phenylene-Based Oligomer and Polymer. Journal of Physical Chemistry B, 2011, 115, 12687-12693.	1.2	29
46	Highly nonlinear Pb2P2O7-Nb2O5 glasses for optical fiber production. Journal of Non-Crystalline Solids, 2016, 443, 82-90.	1.5	29
47	Dynamic saturable optical nonlinearities in free base tetrapyridylporphyrin. Journal of Porphyrins and Phthalocyanines, 2003, 07, 452-456.	0.4	28
48	Investigating the intersystem crossing rate and triplet quantum yield of Protoporphyrin IX by means of pulse train fluorescence technique. Chemical Physics Letters, 2017, 674, 48-57.	1.2	28
49	Nonlinear optical spectrum of diamond at femtosecond regime. Scientific Reports, 2017, 7, 14320.	1.6	28
50	Chalcone-based molecules: Experimental and theoretical studies on the two-photon absorption and molecular first hyperpolarizability. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117772.	2.0	28
51	Two-Photon Absorption Dependence on the Temperature for Azoaromatic Compounds:â€‰ Effect of Molecular Conformation. Journal of Physical Chemistry A, 2007, 111, 6222-6224.	1.1	27
52	Experimental and Theoretical Study on the One- and Two-Photon Absorption Properties of Novel Organic Molecules Based on Phenylacetylene and Azoaromatic Moieties. Journal of Physical Chemistry B, 2012, 116, 14677-14688.	1.2	27
53	Excited-state dynamics of meso-tetrakis(sulfonatophenyl) porphyrin J-aggregates. Optical Materials, 2012, 34, 741-747.	1.7	27
54	A novel fluorene-derivative Schiff-base fluorescent sensor for copper(II) in organic media. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 348, 41-46.	2.0	27

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55	Investigation of excited singlet state absorption and intersystem crossing mechanism of isomeric meso-tetra(pyridyl)porphyrins containing peripheral polypyridyl platinum(II) complexes. Chemical Physics Letters, 2018, 708, 1-10.	1.2	27
56	Turn-on fluorescence study of a highly selective acridine-based chemosensor for Zn2+ in aqueous solutions. Inorganica Chimica Acta, 2020, 499, 119191.	1.2	27
57	Revealing the Dynamic of Excited State Proton Transfer of a Ï€-Conjugated Salicylidene Compound: An Experimental and Theoretical Study. Journal of Physical Chemistry C, 2017, 121, 1283-1290.	1.5	26
58	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
59	Experimental and theoretical investigation of the first-order hyperpolarizability of a class of triarylamine derivatives. Journal of Chemical Physics, 2015, 142, 064312.	1.2	25
60	Influence of halogen atoms and protonation on the photophysical properties of sulfonated porphyrins. Chemical Physics Letters, 2015, 633, 146-151.	1.2	25
61	Reverse saturable absorption in chlorophyll A solutions. Applied Physics B: Lasers and Optics, 2002, 74, 559-561.	1.1	24
62	Two-Photon Circularâ€“Linear Dichroism of Perylene in Solution: A Theoreticalâ€“Experimental Study. Journal of Physical Chemistry B, 2013, 117, 2742-2747.	1.2	24
63	Pulse train fluorescence technique for measuring triplet state dynamics. Optics Express, 2011, 19, 10813.	1.7	23
64	Broadband three-photon absorption spectra of platinum acetylide complexes. Optical Materials Express, 2011, 1, 700.	1.6	23
65	Experimental and theoretical study of two-photon absorption in nitrofuran derivatives: Promising compounds for photochemotherapy. Journal of Chemical Physics, 2011, 134, 014509.	1.2	23
66	Interpreting Strong Two-Photon Absorption of PE3 Platinum Acetylide Complex: Double Resonance and Excited State Absorption. ACS Photonics, 2014, 1, 106-113.	3.2	23
67	Low threshold Rhodamine-doped whispering gallery mode microlasers fabricated by direct laser writing. Scientific Reports, 2017, 7, 8559.	1.6	22
68	Strategies for reducing dye aggregation in luminescent host-guest systems: Rhodamine 6G incorporated in new mesoporous sol-gel hosts. Journal of Applied Physics, 2013, 113, .	1.1	21
69	Investigation of ground and excited state photophysical properties of gadolinium phthalocyanine. Dyes and Pigments, 2014, 101, 338-343.	2.0	21
70	Optical birefringence induced by two-photon absorption in polythiophene bearing an azochromophore. Polymer, 2008, 49, 1562-1566.	1.8	20
71	Two-photon absorption spectra of carotenoids compounds. Journal of Applied Physics, 2011, 109, 103529.	1.1	20
72	Unconventional Magnetization Generated from Electron Beam and Femtosecond Irradiation on Î±-Ag‹sub›2‹/sub›WO‹sub›4‹/sub›: A Quantum Chemical Investigation. ACS Omega, 2020, 5, 10052-10067.	1.6	20

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73	Twoâ€photon absorption circularâ€linear dichroism on axial enantiomers. Chirality, 2010, 22, E202-10.	1.3	19
74	Two- and three-photon excited fluorescence in Y-shaped molecules. Chemical Physics Letters, 2005, 402, 474-478.	1.2	18
75	Femtosecond laser induced synthesis of Au nanoparticles mediated by chitosan. Optics Express, 2012, 20, 518.	1.7	18
76	Intramolecular Cooperative and Anti-Cooperative Effect on the Two-Photon Absorption Cross Section in Triphenylamine Derivatives. Journal of Physical Chemistry Letters, 2019, 10, 2214-2219.	2.1	18
77	Two-photon absorption properties of BODIPY-like compounds based on BF₂â€“naphthyridine complexes. Physical Chemistry Chemical Physics, 2019, 21, 6662-6671.	1.3	18
78	Benzenesulfonyl incorporated chalcones: Synthesis, structural and optical properties. Journal of Molecular Structure, 2020, 1208, 127845.	1.8	18
79	Pump polarization-state preservation of picosecond generated white-light supercontinuum. Optics Express, 2008, 16, 957.	1.7	17
80	Experimental and theoretical investigation of optical nonlinearities in (nitrovinyl)-1H-pyrazole derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 483-487.	2.0	17
81	Excited-State and Two-Photon Absorption in Salicylidene Molecules: The Role of Zn(II) Planarization. Journal of Physical Chemistry C, 2016, 120, 4032-4039.	1.5	17
82	Random laser emission from a Rhodamine B-doped GPTS/TEOS-derived organic/silica monolithic xerogel. Laser Physics Letters, 2017, 14, 065801.	0.6	17
83	First molecular electronic hyperpolarizability of series of Ï€-conjugated oxazole dyes in solution: an experimental and theoretical study. RSC Advances, 2019, 9, 26476-26482.	1.7	17
84	Random laser in dye-doped electrospun nanofibers: Study of laser mode dynamics via temporal mapping of emission spectra using Pearson's correlation. Journal of Luminescence, 2020, 224, 117281.	1.5	17
85	Revealing the Electronic and Molecular Structure of Randomly Oriented Molecules by Polarized Two-Photon Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 1753-1759.	2.1	16
86	Interpreting the First-Order Electronic Hyperpolarizability for a Series of Octupolar Pushâ€“Pull Triarylamine Molecules Containing Trifluoromethyl. Journal of Physical Chemistry C, 2015, 119, 12589-12597.	1.5	16
87	Oxazole Dyes with Potential for Photoluminescence Bioprobes: A Two-Photon Absorption Study. Journal of Physical Chemistry C, 2018, 122, 10526-10534.	1.5	16
88	Optical properties and antiangiogenic activity of a chalcone derivate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 685-695.	2.0	16
89	Two-Photon Emissive Dyes Based on Pushâ€“Pull Purines Derivatives: Toward the Development of New Photoluminescence Bioprobes. Journal of Physical Chemistry C, 2020, 124, 12617-12627.	1.5	16
90	Second-order nonlinear optical properties of two chalcone derivatives: insights from sum-over-states. Physical Chemistry Chemical Physics, 2021, 23, 6128-6140.	1.3	16

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91	Azo-group dihedral angle torsion dependence on temperature: A theoreticalâ€“experimental study. Chemical Physics Letters, 2010, 487, 226-231.	1.2	15
92	Polarization effect on the two-photon absorption of a chiral compound. Optics Express, 2012, 20, 18600.	1.7	15
93	Twoâ€photon excitation and optical limiting in polyfluorene derivatives. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 148-153.	2.4	15
94	Tetracarboxy-phthalocyanines: From excited state dynamics to photodynamic inactivation against Bovine herpesvirus type 1. Journal of Photochemistry and Photobiology B: Biology, 2017, 175, 1-8.	1.7	15
95	Bromo-and chloro-derivatives of dibenzylideneacetone: Experimental and theoretical study of the first molecular hyperpolarizability and two-photon absorption. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 369, 70-76.	2.0	15
96	Two-photon absorption spectrum in diazoaromatic compounds. Chemical Physics Letters, 2008, 463, 360-363.	1.2	14
97	Mechanism of the Zn(II)Phthalocyaninesâ€™ Photochemical Reactions Depending on the Number of Substituents and Geometry. Molecules, 2016, 21, 635.	1.7	14
98	Synthesis, spectroscopic/electrochemical characterization and DNA interaction study of novel ferrocenylâ€substituted porphyrins. Applied Organometallic Chemistry, 2018, 32, e4318.	1.7	14
99	Photodynamic and Sonodynamic Therapy with Protoporphyrin IX: In Vitro and In Vivo Studies. Ultrasound in Medicine and Biology, 2021, 47, 1032-1044.	0.7	14
100	Two-photon absorption in oxazole derivatives: An experimental and quantum chemical study. Optical Materials, 2012, 34, 1013-1018.	1.7	13
101	Investigation of the triplet excited state and application of cationic meso-tetra(cisplatin)porphyrins in antimicrobial photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2021, 35, 102459.	1.3	13
102	Synthesis, photophysical properties and aggregation-induced enhanced emission of bischalcone-benzothiadiazole and chalcone-benzothiadiazole hybrids. Journal of Luminescence, 2021, 239, 118367.	1.5	13
103	Synthesis and two-photon absorption property of novel salen complexes incorporated with two pendant azo dyes. Tetrahedron Letters, 2009, 50, 1371-1373.	0.7	12
104	Characterization of two- and three-photon absorption of polyfluorene derivatives. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 747-754.	2.4	12
105	Influence of electron-withdrawing groups in two-photon absorption of imidazopyridines derivatives. Dyes and Pigments, 2022, 198, 109972.	2.0	12
106	Dynamic Optical Nonlinearities in Aniline Tetramers. Journal of Physical Chemistry B, 2004, 108, 19180-19183.	1.2	11
107	Excited-state absorption of meso-tetrasulfonatophenyl porphyrin: Effects of pH and micelles. Optical Materials, 2015, 42, 516-521.	1.7	11
108	Waveguides and nonlinear index of refraction of borate glass doped with transition metals. Optical Materials, 2015, 42, 522-525.	1.7	11

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109	Influence of light intensity and irradiation mode on methylene blue, chlorin-e6 and curcumin-mediated photodynamic therapy against Enterococcus faecalis. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101925.	1.3	11
110	Two-photon brightness of highly fluorescent imidazopyridine derivatives: Two-photon and ultrafast transient absorption studies. Journal of Molecular Liquids, 2022, 348, 118379.	2.3	11
111	Two-photon absorption of perylene derivatives: Interpreting the spectral structure. Chemical Physics Letters, 2009, 479, 52-55.	1.2	10
112	Two-photon absorption properties of a novel class of triarylamine compounds. Chemical Physics Letters, 2010, 498, 277-280.	1.2	10
113	Understanding the Two-Photon Absorption Spectrum of PE2 Platinum Acetylide Complex. Journal of Physical Chemistry A, 2014, 118, 5608-5613.	1.1	10
114	Synthesis and two-photon absorption spectrum of fluorenone-based molecules. Chemical Physics Letters, 2016, 661, 143-150.	1.2	10
115	Solid-state random microlasers fabricated via femtosecond laser writing. Scientific Reports, 2018, 8, 13561.	1.6	10
116	Unveiling the photophysical, biomolecule binding and photo-oxidative capacity of novel Ru(II)-polypyridyl corroles: A multipronged approach. Journal of Molecular Liquids, 2021, 340, 117223.	2.3	10
117	Excited state absorption in conjugated polymers: Photoinduced transparency. Polymer, 2007, 48, 5303-5307.	1.8	9
118	Femtosecond Two-Photon Absorption Spectroscopy of Poly(fluorene) Derivatives Containing Benzoselenadiazole and Benzothiadiazole. Materials, 2017, 10, 512.	1.3	9
119	Sulphonamide chalcones: Conformationally diverse yet optically similar. Journal of Molecular Structure, 2019, 1198, 126896.	1.8	9
120	Influence of Magnetic Field on the Two-Photon Absorption and Hyper-Rayleigh Scattering of Manganeseâ€“Zinc Ferrite Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 6784-6795.	1.5	9
121	Induced transparency in polythiophene bearing azobenzene moieties. Polymer, 2006, 47, 7436-7440.	1.8	8
122	Heterodyne Z-scan measurements of slow absorbers. Journal of Applied Physics, 2007, 101, 063112.	1.1	8
123	Third-order optical nonlinearities in bulk and fs-laser inscribed waveguides in strengthened alkali aluminosilcate glass. Laser Physics, 2018, 28, 015401.	0.6	8
124	Two-Photon Spectroscopy of Organic Materials. , 2018, , 165-191.		8
125	Effects of meso-tetrakis (4-sulfonatophenyl) porphyrin (TPPS4) aggregation on its spectral and kinetic characteristics and singlet oxygen production. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120063.	2.0	8
126	Enhancement of optical properties of new purine nucleobases containing electron-donating and -withdrawing peripheral groups. Journal of Photochemistry and Photobiology B: Biology, 2022, 234, 112524.	1.7	8

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127	Picosecond dynamic of aqueous sodium-copper chlorophyllin solution: An excited state absorption study. Chemical Physics Letters, 2018, 706, 652-657.	1.2	7
128	Effective Ï€-electron number and symmetry perturbation effect on the two-photon absorption of oligofluorenes. Physical Chemistry Chemical Physics, 2021, 23, 18602-18609.	1.3	7
129	Dichroism Induced by Photoisomerization of Aniline Tetramers in Polymeric Films. Advanced Materials, 2000, 12, 1126-1129.	11.1	6
130	Dynamic nonlinear optical properties in DR13-chloroform solution. Synthetic Metals, 2001, 121, 1489-1490.	2.1	6
131	Excited-state absorption in oxidized cytochrome c solution. Applied Physics B: Lasers and Optics, 2004, 79, 751-754.	1.1	6
132	Excited-state absorption spectroscopy in oxidized Cytochrome c. Optical Materials, 2010, 32, 526-529.	1.7	6
133	Study of absorption spectrum and dynamics evaluation of the indocyanineâ€green first singlet excited state. Journal of Physical Organic Chemistry, 2011, 24, 630-634.	0.9	6
134	Investigation of the optical absorption of a magnetic colloid from the thermal to the electronic time-scale regime: measurement of the free-carrier absorption cross-section. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 280.	0.9	6
135	Femtosecond two-photon absorption spectroscopy of copper indium sulfide quantum dots: A structure-optical properties relationship. Optical Materials, 2018, 86, 455-459.	1.7	6
136	One axis guided random laser emission from a glass capillary composite. Journal of Luminescence, 2019, 211, 426-430.	1.5	6
137	Chalcone as Potential Nonlinear Optical Material: A Combined Theoretical, Structural and Spectroscopic Study. Journal of Physical Chemistry A, 2019, , .	1.1	6
138	Molecular Structureâ€“Optical Property Relationship of Salicylidene Derivatives: A Study on the First-Order Hyperpolarizability. Journal of Physical Chemistry A, 2021, 125, 99-105.	1.1	6
139	Photophysical Characterization of a Highly Conjugated Bipyridyl-Based Dye Synthesized by a Unique Two-Step Approach. Journal of Physical Chemistry B, 2008, 112, 12185-12190.	1.2	5
140	Excited State Absorption Study in Hematoporphyrin IX. Journal of Fluorescence, 2010, 20, 197-202.	1.3	5
141	Observation of Distinct Two-Photon Transition Channels in CdTe Quantum Dots in a Regime of Very Strong Confinement. Materials, 2017, 10, 363.	1.3	5
142	Theoretical and Experimental Analysis of Protoporphyrin IX Photodegradation Using Multiâ€Wavelength Light Sources. Photochemistry and Photobiology, 2020, 96, 1208-1214.	1.3	5
143	Synthesis of Self-Assembled Tubes in Direct Conjugated Porphyrin-Gold Nanohybrid Solution. Science of Advanced Materials, 2013, 5, 295-300.	0.1	5
144	Three-dimensional structures fabricated after laser-induced free radical generation in azoaromatic compounds. Optical Materials Express, 2020, 10, 1792.	1.6	5

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145	Modeling the First-Order Molecular Hyperpolarizability Dispersion from Experimentally Obtained One- and Two-Photon Absorption. Journal of Physical Chemistry A, 2022, 126, 2152-2159.	1.1	5
146	Second- and third-order nonlinear optical properties of mono-substituted terpenoid-like chalcones. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113898.	2.0	5
147	Nonlinear Optical Study in a Set of Dibenzylideneacetone Derivatives with Potential for Optical Frequency Conversion. Photonics, 2020, 7, 8.	0.9	4
148	Effects of pH on the ultrafast transient absorption of iron (III) meso-tetrakis(4-N-methyl-pyridiniumyl) porphyrin (Fe3+TMPyP) molecular complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 408, 113082.	2.0	4
149	Unconventional Disorder by Femtosecond Laser Irradiation in Fe₂O₃. ACS Omega, 2021, 6, 28049-28062.	1.6	4
150	Excited-state investigations of meso-mono-substituted-(amino-ferrocenyl)porphyrins: Experimental and theoretical approaches. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112048.	2.0	3
151	Random laser action in dye-doped xerogel with inhomogeneous TiO2 nanoparticles distribution. Journal of Materials Science: Materials in Electronics, 2019, 30, 16747-16754.	1.1	3
152	The ability of 2,5-disubstituted oxazole dyes derivatives to generate two-photon upconversion photoluminescence and its brightness evaluation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 411, 113214.	2.0	3
153	Tuning hyper-Rayleigh scattering amplitude on magnetic colloids by means of an external magnetic field. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2681.	0.9	3
154	Effect of peripherical groups on the two-photon brightness of (E)-3-benzyl-6-bromo-2-styryl-3H-imidazo[4,5-b]pyridine derivatives. Journal of Molecular Liquids, 2022, 358, 119186.	2.3	3
155	Experimental observation of light-induced solitary waves of analyte bands in capillary electrophoresis. Electrophoresis, 1999, 20, 2493-2500.	1.3	2
156	Regenerated cellulose as a porous silica composite template for random laser emission. Journal of Materials Science: Materials in Electronics, 2019, 30, 16849-16855.	1.1	2
157	Excited State Absorption of Doped and Undoped Polyanyline. Molecular Crystals and Liquid Crystals, 2010, 523, 304/[876]-309/[881].	0.4	1
158	First-order hyperpolarizability of organic molecules: hyper-Rayleigh scattering and applications. , 2020, , 275-314.		1
159	Probing the Strong Near-IR Two-Photon Transition in Supramolecular Triphenylamine-based Polymers by Nonlinear Absorption Spectroscopy. Journal of Physical Chemistry B, 2020, 124, 6147-6153.	1.2	1
160	Dependent excited state absorption and dynamic of Î²-BF2 substituted metalloporphyrins: The metal ion effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119911.	2.0	1
161	Hyper-Rayleigh scattering measurements of magnetite nanoparticles: determination of the first order hyperpolarizability anisotropy. , 2019, , .		1
162	Y-Shaped Two-Photon Absorbing Molecules with an Imidazoleâ€"Thiazole Core. ChemInform, 2004, 35, no.	0.1	0

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163	Excited state absorption cross-section spectrum of Chlorophyll A. , 2007, , .		0
164	Polarization preservation of white-light supercontinuum generation. , 2008, , .		0
165	Optical microdevices fabricated using femtosecond laser processing (Conference Presentation). , 2017, , .		0
166	Functionalized and microstructured polymeric composites used as gain medium in random lasers systems. , 2019, , .		0
167	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
168	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0
169	Fabrication of waveguides in Gorilla Glass with fs-pulses and its nonlinear features (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0
170	First Molecular Electronic Hyperpolarizability of Two Oxazoles Dyes in Solution. , 2018, , .		0
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