

Stelios Couris

List of Publications by Year in descending order

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191
papers

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citations

81743

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194
all docs

194
docs citations

194
times ranked

5133
citing authors

#	ARTICLE	IF	CITATIONS
1	Green and simple route toward boron doped carbon dots with significantly enhanced non-linear optical properties. <i>Carbon</i> , 2015, 83, 173-179.	5.4	282
2	Concentration and wavelength dependence of the effective third-order susceptibility and optical limiting of C60 in toluene solution. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4537-4554.	0.6	273
3	Laser Diagnostics of Painted Artworks: Laser-Induced Breakdown Spectroscopy in Pigment Identification. <i>Applied Spectroscopy</i> , 1997, 51, 1025-1030.	1.2	191
4	Laser-Induced Breakdown Spectroscopy for Polymer Identification. <i>Applied Spectroscopy</i> , 1998, 52, 456-461.	1.2	188
5	Nonlinear Optical Properties and Broadband Optical Power Limiting Action of Graphene Oxide Colloids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6842-6850.	1.5	163
6	An experimental investigation of the nonlinear refractive index (n_2) of carbon disulfide and toluene by spectral shearing interferometry and z-scan techniques. <i>Chemical Physics Letters</i> , 2003, 369, 318-324.	1.2	124
7	Onion-like carbon and diamond nanoparticles for optical limiting. <i>Chemical Physics Letters</i> , 2002, 357, 336-340.	1.2	112
8	Third-order nonlinear optical response of push-pull azobenzene polymers. <i>Chemical Physics Letters</i> , 2012, 554, 107-112.	1.2	95
9	pH effect on the morphology of ZnO nanostructures grown with aqueous chemical growth. <i>Thin Solid Films</i> , 2007, 515, 8764-8767.	0.8	90
10	Effect of metal cation complexation on the nonlinear optical response of an electroactive bisiminopyridine ligand. <i>Dyes and Pigments</i> , 2014, 101, 229-233.	2.0	85
11	Calibration Measurements in laser-induced breakdown spectroscopy using nanosecond and picosecond lasers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1885-1892.	1.5	84
12	Synthesis, characterization and non-linear optical response of organophilic carbon dots. <i>Carbon</i> , 2013, 61, 640-643.	5.4	72
13	Quantitative local equivalence ratio determination in laminar premixed methane-air flames by laser induced breakdown spectroscopy (LIBS). <i>Chemical Physics Letters</i> , 2005, 404, 309-314.	1.2	70
14	Laser-induced breakdown spectroscopy as an analytical tool for equivalence ratio measurement in methane-air premixed flames. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1092-1097.	1.5	69
15	Optical limiting and nonlinear optical absorption properties of C60-polystyrene star polymer films: C60 concentration dependence. <i>Journal of Materials Chemistry</i> , 2002, 12, 2071-2076.	6.7	68
16	Nonlinear Optical Properties of Ferrocene- and Porphyrin-[60]Fullerene Dyads. <i>ChemPhysChem</i> , 2007, 8, 1056-1064.	1.0	64
17	Ionization and fragmentation of aromatic and single-bonded hydrocarbons with 50 fs laser pulses at 800 nm. <i>Chemical Physics Letters</i> , 1999, 308, 373-380.	1.2	61
18	Optical limiting action of few layered graphene oxide dispersed in different solvents. <i>Optical Materials</i> , 2013, 36, 112-117.	1.7	60

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19	Efficient Modulation of the Third Order Nonlinear Optical Properties of Fullerene Derivatives. <i>Journal of the American Chemical Society</i> , 2008, 130, 1534-1535.	6.6	59
20	Third-order nonlinear optical properties of thin sputtered gold films. <i>Optics Communications</i> , 2007, 275, 217-222.	1.0	55
21	Tailoring Colors by O Annulation of Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2017, 23, 2363-2378.	1.7	55
22	Subpicosecond ionization and dissociation of benzene and cyclic alkanes at 800 and 400 nm. <i>Chemical Physics Letters</i> , 1998, 289, 303-310.	1.2	54
23	Laser-induced breakdown spectroscopy in reactive flows of hydrocarbon-air mixtures. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	53
24	Experimental investigation of the nonlinear refractive index of various soft glasses dedicated for development of nonlinear photonic crystal fibers. <i>Optical Materials Express</i> , 2017, 7, 3471.	1.6	53
25	Sub-picosecond studies of the third-order optical nonlinearities of - toluene solutions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 5033-5041.	0.6	52
26	Water dispersible functionalized graphene fluoride with significant nonlinear optical response. <i>Chemical Physics Letters</i> , 2012, 543, 101-105.	1.2	52
27	NLO Response of Photoswitchable Azobenzene-Based Materials. <i>ChemPhysChem</i> , 2013, 14, 2961-2972.	1.0	49
28	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 8150-8160.	6.6	48
29	Study of poly(methyl methacrylate) thin films doped with laser dyes. <i>Journal of Luminescence</i> , 1999, 81, 285-291.	1.5	47
30	Nonlinear optical properties of colloidal carbon nanoparticles: nanodiamonds and carbon dots. <i>RSC Advances</i> , 2014, 4, 40152-40160.	1.7	46
31	Laser-based classification of olive oils assisted by machine learning. <i>Food Chemistry</i> , 2020, 302, 125329.	4.2	46
32	Broadband near infrared optical power limiting of few layered graphene oxides. <i>Applied Physics Letters</i> , 2014, 104, 191112.	1.5	44
33	Third-order nonlinear optical response and optical limiting of colloidal carbon dots. <i>Optics Express</i> , 2014, 22, 12013.	1.7	43
34	Laser-Induced Breakdown Spectroscopy Assisted by Machine Learning for Plastics/Polymers Identification. <i>Atoms</i> , 2019, 7, 79.	0.7	43
35	A comparison of the femto-, pico- and nano-second multiphoton ionization and dissociation processes of NO ₂ at 248 and 496 nm. <i>Chemical Physics Letters</i> , 1995, 247, 555-563.	1.2	42
36	Linear and nonlinear optical properties of triphenylamine-functionalized C ₆₀ : insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 373-381.	1.3	42

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37	Femtosecond laser induced breakdown for combustion diagnostics. Applied Physics Letters, 2012, 100, .	1.5	41
38	Substantial Non-linear Optical Response of New Polyads Based on Ru and Os Complexes of Modified Terpyridines. Journal of Physical Chemistry B, 2001, 105, 10797-10804.	1.2	40
39	Pyrazoline derivatives with a tailored third order nonlinear optical response. RSC Advances, 2015, 5, 48363-48367.	1.7	40
40	Ultrafast third order nonlinearities of organic solvents. Optics Express, 2015, 23, 24171.	1.7	40
41	The effect of the degree of oxidation on broadband nonlinear absorption and ferromagnetic ordering in graphene oxide. Nanoscale, 2016, 8, 2908-2917.	2.8	40
42	Large Enhancement of the Nonlinear Optical Response of Reduced Fullerene Derivatives. Chemistry - A European Journal, 2003, 9, 1529-1534.	1.7	39
43	Third-Order Nonlinear Optical Response of Gold Island Films. Advanced Functional Materials, 2008, 18, 1281-1289.	7.8	39
44	Effect of the Composition on the Nonlinear Optical Response of Au _x Ag _{1-x} Nano-Alloys. Journal of Physical Chemistry C, 2015, 119, 6861-6872.	1.5	39
45	Laser-induced breakdown spectroscopy assisted by machine learning for olive oils classification: The effect of the experimental parameters. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 163, 105746.	1.5	39
46	Transient nonlinear optical response of novel neutral unsymmetrical nickel dithiolene complexes. Chemical Physics Letters, 2006, 428, 109-113.	1.2	38
47	A 2+1 REMPI study of the E-X transition in CO. Indirect predissociations in the E 1 $\hat{1}$ state. Chemical Physics, 1993, 178, 569-579.	0.9	37
48	Transient and instantaneous third-order nonlinear optical response of C ₆₀ and the higher fullerenes C ₇₀ , C ₇₆ and C ₈₄ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 4983-4996.	0.6	37
49	The effect of growth time on the morphology of ZnO structures deposited on Si (100) by the aqueous chemical growth technique. Journal of Crystal Growth, 2007, 308, 105-109.	0.7	36
50	Laser-induced breakdown spectroscopy measurements of mean mixture fraction in turbulent methane flames with a novel calibration scheme. Combustion and Flame, 2016, 167, 72-85.	2.8	36
51	Aqueous Dispersions of C ₆₀ Fullerene by Use of Amphiphilic Block Copolymers: Preparation and Nonlinear Optical Properties. Journal of Physical Chemistry B, 2007, 111, 4315-4319.	1.2	33
52	Ultrafast nonlinear optical response of C ₆₀ -polystyrene star polymers. Chemical Physics Letters, 2001, 335, 533-538.	1.2	31
53	Photophysics and transient nonlinear optical response of donor-[60]fullerene hybrids. Journal of Materials Chemistry, 2011, 21, 2524.	6.7	29
54	Doxorubicin Nanocarriers Based on Magnetic Colloids with a Bio-polyelectrolyte Corona and High Nonlinear Optical Response: Synthesis, Characterization, and Properties. Advanced Functional Materials, 2011, 21, 1465-1475.	7.8	29

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55	Fluoro-graphene: nonlinear optical properties. <i>Optics Express</i> , 2013, 21, 21027.	1.7	29
56	Femtosecond laser induced breakdown spectroscopy of air-methane mixtures. <i>Chemical Physics Letters</i> , 2013, 561-562, 36-41.	1.2	28
57	Third-Order Susceptibility of Li@C60. <i>Advanced Materials</i> , 1999, 11, 405-408.	11.1	27
58	One pot direct hydrothermal growth of photoactive TiO2 films on glass. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 81-85.	2.0	27
59	Comparison of electrical and laser spark emission spectroscopy for fuel concentration measurements. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 338-345.	1.5	27
60	Multiphoton ionisation spectroscopy of the 3s(2 + 2, 1) and 4s(3 + 1) Rydberg states of acetone: evidence for a molecular valence state at 153 nm. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2891.	1.7	26
61	A resonance enhanced multiphoton ionization study of the CS2 molecule: The 4p Rydberg states. <i>Journal of Chemical Physics</i> , 1995, 103, 2436-2444.	1.2	26
62	X-ray photoelectron spectra and the electronic band structure for non-centrosymmetric Bi2ZnB2O7 nonlinear single crystal. <i>Current Opinion in Solid State and Materials Science</i> , 2008, 12, 26-31.	5.6	26
63	Nonlinear optical response of titanium oxide nanostructured thin films. <i>Thin Solid Films</i> , 2009, 518, 1174-1176.	0.8	26
64	Sub-picosecond resonant third-order nonlinear optical response of azobenzene-doped polymer film. <i>Journal of Applied Physics</i> , 1997, 81, 7073-7075.	1.1	24
65	Laser induced breakdown spectroscopy for elemental analysis and discrimination of honey samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 172, 105969.	1.5	24
66	Nonlinear optical response of some isomerically pure higher fullerenes and their corresponding endohedral metallofullerene derivatives: C82@C21½, Dy@C82 (I), Dy2@C82 (I), C92@C2 and Er2@C92 (IV). <i>Chemical Physics Letters</i> , 2004, 394, 14-18.	1.2	23
67	Optically Active Spherical Polyelectrolyte Brushes with a Nanocrystalline Magnetic Core. <i>Advanced Functional Materials</i> , 2008, 18, 1694-1706.	7.8	23
68	Synthesis and Characterization of the Nonlinear Optical Properties of Novel Hybrid Organic-Inorganic Semiconductor Lead Iodide Quantum Wells and Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2766-2775.	1.5	23
69	Hydrogenated Fluorographene: A 2D Counterpart of Graphane with Enhanced Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22567-22575.	1.5	23
70	Polarization effects on the ionization of molecules under picosecond and femtosecond laser excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, L439-L450.	0.6	22
71	The (2+1) multiphoton ionization spectrum of jet-cooled CS2 between 54000 and 58000 cm ⁻¹ . <i>Journal of Chemical Physics</i> , 1994, 100, 3514-3519.	1.2	21
72	Spectroscopy and dynamics of the Rydberg states of C2H2 and their relevance to astrophysical photochemistry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1997, 355, 1637-1658.	1.6	21

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73	Single-photon photolysis of C ₆₀ , C ₇₀ , C ₇₆ , and C ₈₄ in solutions. <i>Chemical Physics Letters</i> , 2001, 335, 539-544.	1.2	21
74	Synthesis and non-linear optical properties of some novel nickel derivatives. <i>Chemical Physics</i> , 2010, 372, 33-45.	0.9	21
75	Nonlinear optical properties of aqueous dispersions of ferromagnetic $\hat{\text{Fe}}^3\text{-Fe}_2\text{O}_3$ nanoparticles. <i>Chemical Physics Letters</i> , 2010, 493, 314-318.	1.2	21
76	Laser-induced breakdown spectroscopy coupled with machine learning as a tool for olive oil authenticity and geographic discrimination. <i>Scientific Reports</i> , 2021, 11, 5360.	1.6	21
77	Optical limiting behaviour of the water-soluble C ₆₀ / $\hat{\text{Fe}}^3$ -cyclodextrin complex. <i>Chemical Physics Letters</i> , 2000, 318, 488-495.	1.2	20
78	Nonlinear optical response of a symmetrical Au dithiolene complex under ps and ns laser excitation in the infrared and in the visible. <i>Chemical Physics Letters</i> , 2011, 513, 229-235.	1.2	19
79	High order nonlinear optical response of fullerene solutions in the nanosecond regime. <i>Optics Communications</i> , 1997, 138, 301-304.	1.0	18
80	[60]Fullerene- $\hat{\text{C}}^{\text{porphyrin}}$ [n]pseudorotaxanes: self-assembly, photophysics and third-order NLO response. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11858-11868.	1.3	18
81	Rotational dependence of the quenching of electronically excited CH(A $2\hat{\text{I}}^{\text{u}}$) and CH(B $2\hat{\text{I}}^{\text{g}}$) produced by laser photolysis of acetone at 193 nm. <i>Chemical Physics Letters</i> , 1994, 223, 561-566.	1.2	17
82	Ultrafast Processes in Graphene Oxide during Femtosecond Laser Excitation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4104-4111.	1.5	17
83	Determination of the Nonlinear Optical Properties of Single- and Few-Layered Graphene Dispersions under Femtosecond Laser Excitation: Electronic and Thermal Origin Contributions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27241-27249.	1.5	17
84	Electrochromic Performance of V ₂ O ₅ Thin Films Grown by Spray Pyrolysis. <i>Materials</i> , 2020, 13, 3859.	1.3	17
85	Classification of Greek Olive Oils from Different Regions by Machine Learning-Aided Laser-Induced Breakdown Spectroscopy and Absorption Spectroscopy. <i>Molecules</i> , 2021, 26, 1241.	1.7	17
86	A two-color (1+1) multiphoton ionization study of CS ₂ in the 61-65 $\times 10^3$ cm ⁻¹ energy region. <i>Journal of Chemical Physics</i> , 1995, 103, 4847-4854.	1.2	16
87	Dissociative ionization of halogenated ethylenes in intense femtosecond laser pulses. <i>Chemical Physics Letters</i> , 2002, 353, 295-303.	1.2	15
88	Transient nonlinear optical response of some symmetrical nickel dithiolene complexes. <i>Chemical Physics Letters</i> , 2010, 495, 245-250.	1.2	15
89	Laser-Induced Breakdown Spectroscopy (LIBS) for the Measurement of Spatial Structures and Fuel Distribution in Flames. <i>Applied Spectroscopy</i> , 2016, 70, 627-634.	1.2	15
90	A (1+1) multiphoton ionization study of CS ₂ in the 68-73 $\times 10^3$ cm ⁻¹ energy region. The 3d and 5s Rydberg states. <i>Journal of Chemical Physics</i> , 1996, 105, 62-67.	1.2	14

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91	Optical features of calcium neodymium oxyborate $\text{Ca}_4\text{NdO}(\text{BO}_3)_3$ doped by Yb^{3+} . Journal of Alloys and Compounds, 2009, 481, 14-16.	2.8	14
92	Thiophenol-Modified Fluorographene Derivatives for Nonlinear Optical Applications. ChemPlusChem, 2019, 84, 1288-1298.	1.3	14
93	Laser-Induced Breakdown Spectroscopy: An Efficient Tool for Food Science and Technology (from the Tj ETQq1 1 0.784314 rgBT /Ov	1.7	14
94	Honey discrimination based on the bee feeding by Laser Induced Breakdown Spectroscopy. Food Control, 2022, 134, 108770.	2.8	14
95	Nonlinear absorption in silicon nanocrystals. Quantum Electronics, 2001, 31, 817-820.	0.3	13
96	Investigation of the Parameters Influencing the Accuracy of Rapid Steelmaking Slag Analysis with Laser-Induced Breakdown Spectroscopy. Steel Research International, 2007, 78, 693-703.	1.0	13
97	Nonlinear optical response of silicon nanocrystals. Optical Materials, 2007, 30, 260-263.	1.7	13
98	Preparation and nonlinear optical response of novel palladium-containing micellar nanohybrids. Optical Materials, 2011, 33, 1342-1349.	1.7	13
99	Nonlinear Optical Response of Gold-Decorated Nanodiamond Hybrids. Journal of Physical Chemistry C, 2015, 119, 24614-24620.	1.5	13
100	Olive Oils Classification via Laser-Induced Breakdown Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 3462.	1.3	13
101	Laser photodissociation of ketene at 230 nm. Chemical Physics, 1998, 232, 353-360.	0.9	12
102	Large Enhancement of the Nonlinear Optical Response of Fluorographene by Chemical Functionalization: The Case of Diethyl-amino-fluorographene. Journal of Physical Chemistry C, 2019, 123, 25856-25862.	1.5	12
103	Annealing Effect on the Properties of Electrochromic V_2O_5 Thin Films Grown by Spray Deposition Technique. Nanomaterials, 2020, 10, 2397.	1.9	12
104	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. Journal of Physical Chemistry Letters, 2021, 12, 815-821.	2.1	12
105	Sulfur Detection in Soil by Laser Induced Breakdown Spectroscopy Assisted by Multivariate Analysis. Materials, 2021, 14, 541.	1.3	12
106	High-order nonlinear optical response of -toluene solutions in the sub-picosecond regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L773-L778.	0.6	11
107	Induced HSiCl emission in the UV photodissociation of 2-chloroethenylsilane. Chemical Physics Letters, 2000, 316, 449-454.	1.2	11
108	Photophysical properties of a series of blue-emitting rigid-flexible polyethers in solution and in thin films. Journal of Luminescence, 2001, 93, 223-227.	1.5	11

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109	Outstanding Broadband (532 nm to 2.2 μ m) and Very Efficient Optical Limiting Performance of Some Defect-Engineered Graphenes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9515-9520.	2.1	11
110	On the measurement of the nonlinear optical response of graphene dispersions using fs lasers. <i>Optics Letters</i> , 2020, 45, 1814.	1.7	11
111	An experimental investigation of the nf Rydberg states of carbon disulfide. <i>Journal of Chemical Physics</i> , 1997, 107, 8866-8873.	1.2	10
112	Unsymmetrical Single-Component Nickel 1,2-Dithiolene Complexes with Extended Tetrachalcogenafulvalenedithiolato Ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 200-204.	0.3	10
113	Dramatic Enhancement of the Nonlinear Optical Response of Hydrogenated Fluorographene: The Effect of Midgap States. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25573-25579.	1.5	10
114	Discrimination of olive oils based on the olive cultivar origin by machine learning employing the fusion of emission and absorption spectroscopic data. <i>Food Control</i> , 2021, 130, 108318.	2.8	10
115	Fragments in the UV photolysis of the CH ₃ and CH ₃ O ₂ radicals. <i>Chemical Physics Letters</i> , 1993, 208, 27-31.	1.2	9
116	Fullerene Cages Breakdown Induced in Solution by Ultraviolet Radiation: Experimental Support for the "Window" Formation in Fullerenes?. <i>The Journal of Physical Chemistry</i> , 1995, 99, 8200-8201.	2.9	9
117	A multiphoton polarization study of the Rydberg states of OCS in the 70-74 $\times 10^5$ cm ⁻¹ energy region. <i>Journal of Chemical Physics</i> , 1996, 105, 6147-6153.	1.2	9
118	The 1550-1460 \AA ... region of CS ₂ . <i>Journal of Chemical Physics</i> , 1996, 104, 6130-6137.	1.2	9
119	Spectral narrowing in a rhodamine-doped layered TiO ₂ /surfactant thin film. <i>Applied Physics Letters</i> , 1999, 75, 319-321.	1.5	9
120	The Role of the Oxygen Molecule in the Photolysis of Fullerenes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 2000, 8, 289-318.	0.6	9
121	Anisotropic Distributions of Ion Fragments Produced by Dissociative Ionization of Halogenated Ethylenes in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2838-2843.	1.1	9
122	Nonlinear optical response of water soluble C70 dendrimers. <i>Chemical Physics Letters</i> , 2007, 448, 243-247.	1.2	9
123	Experimental Study of the Structural Effect on the Nanosecond Nonlinear Optical Response of O-Doped Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5142-5152.	1.1	9
124	Giant Broadband (450-2300 nm) Optical Limiting and Enhancement of the Nonlinear Optical Response of Some Graphenes by Defect Engineering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16075-16085.	1.5	9
125	Comparison of the efficiency of the laser photolysis of C60 and C70 fullerenes in solution. <i>Chemical Physics Letters</i> , 1994, 231, 314-318.	1.2	8
126	Combustion Diagnostics with Femtosecond Laser Radiation. <i>Journal of Physics: Conference Series</i> , 2014, 548, 012056.	0.3	8

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127	Palladium-based micellar nanohybrids: preparation and nonlinear optical response. RSC Advances, 2014, 4, 8779.	1.7	8
128	Nonlinear optical response of some Graphene oxide and Graphene fluoride derivatives. Optofluidics, Microfluidics and Nanofluidics, 2016, 3, .	0.5	8
129	Effects of Size and Oxidation on the Nonlinear Optical Response and Optical Limiting of Graphene Oxide Sheets. Journal of Physical Chemistry C, 2020, 124, 11265-11273.	1.5	8
130	Synthesis of one-dimensional structured metal phthalocyanine in an ionic liquid. Journal of Porphyrins and Phthalocyanines, 2007, 11, 713-718.	0.4	7
131	Nonlinear optical properties of Au nanoclusters encapsulated into hybrid block copolymer micelles. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2635-2638.	0.8	7
132	A Twisted Bayâ€Substituted Quaterylene Phosphorescing in the <scp>NIR</scp> Spectral Region. Helvetica Chimica Acta, 2017, 100, e1700192.	1.0	7
133	Enhancing and Tuning the Nonlinear Optical Response and Wavelength-Agile Strong Optical Limiting Action of N-octylamine Modified Fluorographenes. Nanomaterials, 2020, 10, 2319.	1.9	7
134	A Laser-Based Method for the Detection of Honey Adulteration. Applied Sciences (Switzerland), 2021, 11, 6435.	1.3	7
135	Structural Investigations in Electrochromic Vanadium Pentoxide Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, 2100431.	0.8	7
136	Operating pressure of thallium in a mercuryâ€Thallium iodide discharge using the line Tlâ€5350 Å... Journal of Applied Physics, 1985, 58, 2786-2788.	1.1	6
137	Optical nonlinearities of C84 fullerenes. Chemical Physics Letters, 2006, 432, 497-501.	1.2	6
138	Solution processed multi-color organic light emitting diodes for application in telecommunications. Microelectronic Engineering, 2015, 145, 21-28.	1.1	6
139	Silicon Nanosheets: An Emerging 2D Photonic Material with a Large Transient Nonlinear Optical Response beyond Graphene. Nanomaterials, 2022, 12, 90.	1.9	6
140	WO3 Films Grown by Spray Pyrolysis for Smart Windows Applications. Coatings, 2022, 12, 545.	1.2	6
141	Deviations from equilibrium in the 6 3P levels of mercury in an ac arc plasma. Optics Communications, 1988, 67, 214-217.	1.0	5
142	Time dependence of nonequilibrium in the Hg resonance level in an AC arc plasma. Optics Communications, 1988, 65, 22-25.	1.0	5
143	Stark broadening of the 690.7 nm mercury line in highâ€pressure mercury discharges. Journal of Applied Physics, 1992, 72, 3341-3343.	1.1	5
144	Ultrafast third-order nonlinear optical response of C84, C84â€D2 (IV) and C84â€D2d (II). Chemical Physics Letters, 2006, 425, 110-113.	1.2	5

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145	Palladium micellar nanohybrids with tunable nonlinear optical response. <i>Optical Materials</i> , 2013, 36, 123-129.	1.7	5
146	2+1 (2+2) Rempi-ToF Study of the Lowest Rydberg States (6s, 6s TM) of Methyl and Propyl Iodides. <i>Laser Chemistry</i> , 1993, 13, 151-157.	0.5	4
147	The Effect of Charge Transfer on the NLO Response of Some Porphyrin-[60]fullerene Dyads. , 2010, , .		4
148	Substitution, Environment, and Excitation Wavelength Effects on the Optical Nonlinearities of Some Novel <i>cis</i> / <i>trans</i> - π -Conjugated Azobenzenes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24697-24704.	1.5	4
149	Third-order optical nonlinearities of PVP/Pd nanohybrids. <i>Optical Materials</i> , 2017, 72, 226-232.	1.7	4
150	Octylamine π -Modified Fluorographenes as a Versatile Platform for the Efficient Engineering of the Nonlinear Optical Properties of Fluorinated Graphenes. <i>Advanced Photonics Research</i> , 2020, 1, 2000014.	1.7	4
151	Diethylamino π -fluorographene: A 2D material with broadband and efficient optical limiting performance (from 500 to 1800 nm) with very large nonlinear optical response. <i>Nano Select</i> , 2020, 1, 395-404.	1.9	4
152	Silicon Nanosheets: A Promising 2D Material with Strong Ultrafast Nonlinear Optical Response. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18510-18516.	1.5	4
153	Determination of the Partial Pressure of Thallium in High-Pressure Lamp Arcs: A Comparative Study. <i>IEEE Transactions on Plasma Science</i> , 1986, 14, 325-332.	0.6	3
154	<title>Optical properties of metal-coated silicon nanocrystals</title>. , 2000, 4070, 465.		3
155	Nonlinear Optical Properties of Au and Ag Nanoparticles Embedded into Hybrid-block Copolymer Micelles. , 2010, , .		3
156	Laser-induced breakdown spectroscopy analysis of the free surface of liquid secondary copper slag. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105921.	1.5	3
157	Synthesis, characterization and nonlinear optical response of polyelectrolyte-stabilized copper hydroxide and copper oxide colloidal nanohybrids. <i>Optical Materials</i> , 2021, 119, 111329.	1.7	3
158	Tailoring the Nonlinear Optical Response of Some Graphene Derivatives by Ultraviolet (UV) Irradiation. <i>Nanomaterials</i> , 2022, 12, 152.	1.9	3
159	Determination of transition probability for the 655-nm Tl line. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1987, 38, 303-310.	1.1	2
160	Arc pressure effect on the population of the Hg 63P levels. <i>Journal of Applied Physics</i> , 1989, 66, 1084-1088.	1.1	2
161	<title>Laser-induced breakdown spectroscopy (LIBS): applications in environmental issues</title>. , 1996, , .		2
162	Laser-induced breakdown spectroscopy (LIBS): a tool for rapid in-situ elemental analysis. , 1998, 3423, 228.		2

#	ARTICLE	IF	CITATIONS
163	Multiphoton Ionization and Fragmentation of CS ₂ Under Intense Short Pulse Laser Radiation. Laser Chemistry, 1999, 18, 129-142.	0.5	2
164	<title>Nonlinear optical response of silicon nanocomposites</title>. , 2002, 4762, 297.		2
165	Stable aqueous dispersions of C60fullerene by the use of a block copolymer. Journal of Physics: Conference Series, 2005, 10, 163-166.	0.3	2
166	GeS ₂ -Ga ₂ S ₃ -AgI glasses with high nonlinear optical properties. , 2011, , .		2
167	Polymer photonic technologies for optical communications. , 2013, , .		2
168	Nonlinear optical response of graphene derivatives. , 2014, , .		2
169	Nonlinear optical response of some Boron-dipyrromethene dyes: An experimental and theoretical investigation. Materials Chemistry and Physics, 2022, 283, 126057.	2.0	2
170	Multiphoton ionisation spectroscopy of ethyl iodide and deuteriated ethyl iodide in the region of the 6s Rydberg transitions. Evidence of molecular field splitting of spin-orbit degenerate states. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3083-3088.	1.7	1
171	Optical nonlinearities of fullerenes and their implications in optoelectronics. , 1998, , .		1
172	Fullerene decomposition induced by near-infrared laser radiation studied by real-time turbidimetry. Chemical Physics Letters, 1999, 313, 431-436.	1.2	1
173	Influence of the experimental conditions on the determination of nonlinear optical parameters of a medium using the Z-scan technique. , 2003, , .		1
174	Nonlinear optical response of water dispersions of iron oxide nanoparticles. , 2009, , .		1
175	Development and Nonlinear Optical Properties of Block Copolymers Micelles Encapsulating Metal Nanoparticles. , 2010, , .		1
176	UV Laser Photo-Reduction of Graphene Oxide and Graphene Fluoride for the Efficient Tuning of their Nonlinear Optical Response. , 2020, , .		1
177	Spectral narrowing in the emission of rhodamine 6G incorporated in thin surfactant films. , 1998, 3423, 224.		0
178	Near-Infrared Laser-Induced Decomposition of C60Dissolved in Toluene. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 319-336.	0.6	0
179	Ultrafast nonlinear optical response of higher fullerenes. , 2003, , .		0
180	Nonlinear optical properties of some Au nanostructures. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
181	NLO properties of a new Au-dithiolene complex. , 2010, , .		0
182	Effects of the surface coating and of the size on the nonlinear optical response of magnetic iron oxide nanoparticles. , 2011, , .		0
183	Effect of the composition of Au _x Ag _(1-x) nanoalloys on their nonlinear optical response. , 2013, , .		0
184	Broadband optical power limiting of graphene oxide colloids in the picosecond regime. , 2013, , .		0
185	Third-order nonlinear optical properties of some novel BODIPYs. , 2014, , .		0
186	Influence of the metal atom and the substituents on the third-order nonlinear optical response of some metal dithiolenes. , 2014, , .		0
187	Nonlinear optical response of polymer/Pd nanoparticle systems. , 2014, , .		0
188	Near-infrared nonlinear optical response of some carbon-based nanomaterials. , 2014, , .		0
189	Hydrogenated Fluorographene: A Fluorographene Derivative with Remarkable Third-Order Nonlinear Response. , 2019, , .		0
190	Third-Order Nonlinear Optical Properties of Some Polycyclic Aromatic Hydrocarbons. , 2019, , .		0
191	Engineering the NLO Response of Fluorographene by Octylamine Functionalization. , 2020, , .		0