

Stelios Couris

List of Publications by Year in descending order

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191
papers

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81900

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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.	10.3	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.	1.5	273
3	Laser Diagnostics of Painted Artworks: Laser-Induced Breakdown Spectroscopy in Pigment Identification. <i>Applied Spectroscopy</i> , 1997, 51, 1025-1030.	2.2	191
4	Laser-Induced Breakdown Spectroscopy for Polymer Identification. <i>Applied Spectroscopy</i> , 1998, 52, 456-461.	2.2	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.	3.1	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.	2.6	124
7	Onion-like carbon and diamond nanoparticles for optical limiting. <i>Chemical Physics Letters</i> , 2002, 357, 336-340.	2.6	112
8	Third-order nonlinear optical response of push-pull azobenzene polymers. <i>Chemical Physics Letters</i> , 2012, 554, 107-112.	2.6	95
9	pH effect on the morphology of ZnO nanostructures grown with aqueous chemical growth. <i>Thin Solid Films</i> , 2007, 515, 8764-8767.	1.8	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.	3.7	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.	2.9	84
12	Synthesis, characterization and non-linear optical response of organophilic carbon dots. <i>Carbon</i> , 2013, 61, 640-643.	10.3	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.	2.6	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.	2.9	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.	2.1	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.	2.6	61
18	Optical limiting action of few layered graphene oxide dispersed in different solvents. <i>Optical Materials</i> , 2013, 36, 112-117.	3.6	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.	13.7	59
20	Third-order nonlinear optical properties of thin sputtered gold films. <i>Optics Communications</i> , 2007, 275, 217-222.	2.1	55
21	Tailoring Colors by O Annulation of Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2017, 23, 2363-2378.	3.3	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.	2.6	54
23	Laser-induced breakdown spectroscopy in reactive flows of hydrocarbon-air mixtures. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	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.	3.0	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.	1.5	52
26	Water dispersible functionalized graphene fluoride with significant nonlinear optical response. <i>Chemical Physics Letters</i> , 2012, 543, 101-105.	2.6	52
27	NLO Response of Photoswitchable Azobenzene-Based Materials. <i>ChemPhysChem</i> , 2013, 14, 2961-2972.	2.1	49
28	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 8150-8160.	13.7	48
29	Study of poly(methyl methacrylate) thin films doped with laser dyes. <i>Journal of Luminescence</i> , 1999, 81, 285-291.	3.1	47
30	Nonlinear optical properties of colloidal carbon nanoparticles: nanodiamonds and carbon dots. <i>RSC Advances</i> , 2014, 4, 40152-40160.	3.6	46
31	Laser-based classification of olive oils assisted by machine learning. <i>Food Chemistry</i> , 2020, 302, 125329.	8.2	46
32	Broadband near infrared optical power limiting of few layered graphene oxides. <i>Applied Physics Letters</i> , 2014, 104, 191112.	3.3	44
33	Third-order nonlinear optical response and optical limiting of colloidal carbon dots. <i>Optics Express</i> , 2014, 22, 12013.	3.4	43
34	Laser-Induced Breakdown Spectroscopy Assisted by Machine Learning for Plastics/Polymers Identification. <i>Atoms</i> , 2019, 7, 79.	1.6	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.	2.6	42
36	Linear and nonlinear optical properties of triphenylamine-functionalized C60: insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 373-381.	2.8	42

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37	Femtosecond laser induced breakdown for combustion diagnostics. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	41
38	Substantial Non-linear Optical Response of New Polyads Based on Ru and Os Complexes of Modified Terpyridines. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10797-10804.	2.6	40
39	Pyrazoline derivatives with a tailored third order nonlinear optical response. <i>RSC Advances</i> , 2015, 5, 48363-48367.	3.6	40
40	Ultrafast third order nonlinearities of organic solvents. <i>Optics Express</i> , 2015, 23, 24171.	3.4	40
41	The effect of the degree of oxidation on broadband nonlinear absorption and ferromagnetic ordering in graphene oxide. <i>Nanoscale</i> , 2016, 8, 2908-2917.	5.6	40
42	Large Enhancement of the Nonlinear Optical Response of Reduced Fullerene Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 1529-1534.	3.3	39
43	Third-Order Nonlinear Optical Response of Gold Island Films. <i>Advanced Functional Materials</i> , 2008, 18, 1281-1289.	14.9	39
44	Effect of the Composition on the Nonlinear Optical Response of Au _x Ag _{1-x} Nano-Alloys. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6861-6872.	3.1	39
45	Laser-induced breakdown spectroscopy assisted by machine learning for olive oils classification: The effect of the experimental parameters. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 163, 105746.	2.9	39
46	Transient nonlinear optical response of novel neutral unsymmetrical nickel dithiolene complexes. <i>Chemical Physics Letters</i> , 2006, 428, 109-113.	2.6	38
47	A 2+1 REMPI study of the E-X transition in CO. Indirect predissociations in the E 1 $\hat{1}$ state. <i>Chemical Physics</i> , 1993, 178, 569-579.	1.9	37
48	Transient and instantaneous third-order nonlinear optical response of C ₆₀ and the higher fullerenes C ₇₀ , C ₇₆ and C ₈₄ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 4983-4996.	1.5	37
49	The effect of growth time on the morphology of ZnO structures deposited on Si (100) by the aqueous chemical growth technique. <i>Journal of Crystal Growth</i> , 2007, 308, 105-109.	1.5	36
50	Laser-induced breakdown spectroscopy measurements of mean mixture fraction in turbulent methane flames with a novel calibration scheme. <i>Combustion and Flame</i> , 2016, 167, 72-85.	5.2	36
51	Aqueous Dispersions of C ₆₀ Fullerene by Use of Amphiphilic Block Copolymers: Preparation and Nonlinear Optical Properties. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4315-4319.	2.6	33
52	Ultrafast nonlinear optical response of C ₆₀ -polystyrene star polymers. <i>Chemical Physics Letters</i> , 2001, 335, 533-538.	2.6	31
53	Photophysics and transient nonlinear optical response of donor-[60]fullerene hybrids. <i>Journal of Materials Chemistry</i> , 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. <i>Advanced Functional Materials</i> , 2011, 21, 1465-1475.	14.9	29

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55	Fluoro-graphene: nonlinear optical properties. <i>Optics Express</i> , 2013, 21, 21027.	3.4	29
56	Femtosecond laser induced breakdown spectroscopy of air-methane mixtures. <i>Chemical Physics Letters</i> , 2013, 561-562, 36-41.	2.6	28
57	Third-Order Susceptibility of Li@C60. <i>Advanced Materials</i> , 1999, 11, 405-408.	21.0	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.	3.9	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.	2.7	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.	3.0	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.	11.5	26
63	Nonlinear optical response of titanium oxide nanostructured thin films. <i>Thin Solid Films</i> , 2009, 518, 1174-1176.	1.8	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.	2.5	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.	2.9	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.	2.6	23
67	Optically Active Spherical Polyelectrolyte Brushes with a Nanocrystalline Magnetic Core. <i>Advanced Functional Materials</i> , 2008, 18, 1694-1706.	14.9	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.	3.1	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.	3.1	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.	1.5	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.	3.0	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.	3.4	21

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73	Single-photon photolysis of C60,C70,C76, and C84 in solutions. Chemical Physics Letters, 2001, 335, 539-544.	2.6	21
74	Synthesis and non-linear optical properties of some novel nickel derivatives. Chemical Physics, 2010, 372, 33-45.	1.9	21
75	Nonlinear optical properties of aqueous dispersions of ferromagnetic $\hat{3}$ -Fe2O3 nanoparticles. Chemical Physics Letters, 2010, 493, 314-318.	2.6	21
76	Laser-induced breakdown spectroscopy coupled with machine learning as a tool for olive oil authenticity and geographic discrimination. Scientific Reports, 2021, 11, 5360.	3.3	21
77	Optical limiting behaviour of the water-soluble C60/ $\hat{3}$ -cyclodextrin complex. Chemical Physics Letters, 2000, 318, 488-495.	2.6	20
78	Nonlinear optical response of a symmetrical Au dithiolene complex under ps and ns laser excitation in the infrared and in the visible. Chemical Physics Letters, 2011, 513, 229-235.	2.6	19
79	High order nonlinear optical response of fullerene solutions in the nanosecond regime. Optics Communications, 1997, 138, 301-304.	2.1	18
80	[60]Fullerene- $\hat{6}$ porphyrin [n]pseudorotaxanes: self-assembly, photophysics and third-order NLO response. Physical Chemistry Chemical Physics, 2016, 18, 11858-11868.	2.8	18
81	Rotational dependence of the quenching of electronically excited CH(A $2\hat{1}^{\prime\prime}$) and CH(B $2\hat{1}\hat{x}^{\prime\prime}$) produced by laser photolysis of acetone at 193 nm. Chemical Physics Letters, 1994, 223, 561-566.	2.6	17
82	Ultrafast Processes in Graphene Oxide during Femtosecond Laser Excitation. Journal of Physical Chemistry C, 2016, 120, 4104-4111.	3.1	17
83	Determination of the Nonlinear Optical Properties of Single- and Few-Layered Graphene Dispersions under Femtosecond Laser Excitation: Electronic and Thermal Origin Contributions. Journal of Physical Chemistry C, 2020, 124, 27241-27249.	3.1	17
84	Electrochromic Performance of V2O5 Thin Films Grown by Spray Pyrolysis. Materials, 2020, 13, 3859.	2.9	17
85	Classification of Greek Olive Oils from Different Regions by Machine Learning-Aided Laser-Induced Breakdown Spectroscopy and Absorption Spectroscopy. Molecules, 2021, 26, 1241.	3.8	17
86	A two-color (1+1 \hat{e}^2)+1 multiphoton ionization study of CS2 in the 61 $\hat{e}\%$ 000 \hat{e} 65 $\hat{e}\%$ 600 cm $\hat{~}^1$ energy region. Journal of Chemical Physics, 1995, 103, 4847-4854.	3.0	16
87	Dissociative ionization of halogenated ethylenes in intense femtosecond laser pulses. Chemical Physics Letters, 2002, 353, 295-303.	2.6	15
88	Transient nonlinear optical response of some symmetrical nickel dithiolene complexes. Chemical Physics Letters, 2010, 495, 245-250.	2.6	15
89	Laser-Induced Breakdown Spectroscopy (LIBS) for the Measurement of Spatial Structures and Fuel Distribution in Flames. Applied Spectroscopy, 2016, 70, 627-634.	2.2	15
90	A (1+1 \hat{e}^2)+1 multiphoton ionization study of CS2 in the 68 $\hat{e}\%$ 500 \hat{e} 73 $\hat{e}\%$ 000 cm $\hat{~}^1$ energy region. The 3d and 5s Rydberg states. Journal of Chemical Physics, 1996, 105, 62-67.	3.0	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.	5.5	14
92	Thiophenol-Modified Fluorographene Derivatives for Nonlinear Optical Applications. ChemPlusChem, 2019, 84, 1288-1298.	2.8	14
93	Laser-Induced Breakdown Spectroscopy: An Efficient Tool for Food Science and Technology (from the Tj ETQq1 1 0.784314 rgBT /Ov	3.8	14
94	Honey discrimination based on the bee feeding by Laser Induced Breakdown Spectroscopy. Food Control, 2022, 134, 108770.	5.5	14
95	Nonlinear absorption in silicon nanocrystals. Quantum Electronics, 2001, 31, 817-820.	1.0	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.	1.8	13
97	Nonlinear optical response of silicon nanocrystals. Optical Materials, 2007, 30, 260-263.	3.6	13
98	Preparation and nonlinear optical response of novel palladium-containing micellar nanohybrids. Optical Materials, 2011, 33, 1342-1349.	3.6	13
99	Nonlinear Optical Response of Gold-Decorated Nanodiamond Hybrids. Journal of Physical Chemistry C, 2015, 119, 24614-24620.	3.1	13
100	Olive Oils Classification via Laser-Induced Breakdown Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 3462.	2.5	13
101	Laser photodissociation of ketene at 230 nm. Chemical Physics, 1998, 232, 353-360.	1.9	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.	3.1	12
103	Annealing Effect on the Properties of Electrochromic V_2O_5 Thin Films Grown by Spray Deposition Technique. Nanomaterials, 2020, 10, 2397.	4.1	12
104	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. Journal of Physical Chemistry Letters, 2021, 12, 815-821.	4.6	12
105	Sulfur Detection in Soil by Laser Induced Breakdown Spectroscopy Assisted by Multivariate Analysis. Materials, 2021, 14, 541.	2.9	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.	1.5	11
107	Induced HSiCl emission in the UV photodissociation of 2-chloroethylsilane. Chemical Physics Letters, 2000, 316, 449-454.	2.6	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.	3.1	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.	4.6	11
110	On the measurement of the nonlinear optical response of graphene dispersions using fs lasers. <i>Optics Letters</i> , 2020, 45, 1814.	3.3	11
111	An experimental investigation of the nf Rydberg states of carbon disulfide. <i>Journal of Chemical Physics</i> , 1997, 107, 8866-8873.	3.0	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.	0.7	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.	3.1	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.	5.5	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.	2.6	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.	3.0	9
118	The 1550-1460 \AA ... region of CS ₂ . <i>Journal of Chemical Physics</i> , 1996, 104, 6130-6137.	3.0	9
119	Spectral narrowing in a rhodamine-doped layered TiO ₂ /surfactant thin film. <i>Applied Physics Letters</i> , 1999, 75, 319-321.	3.3	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.	2.5	9
122	Nonlinear optical response of water soluble C70 dendrimers. <i>Chemical Physics Letters</i> , 2007, 448, 243-247.	2.6	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.	2.5	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.	3.1	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.	2.6	8
126	Combustion Diagnostics with Femtosecond Laser Radiation. <i>Journal of Physics: Conference Series</i> , 2014, 548, 012056.	0.4	8

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127	Palladium-based micellar nanohybrids: preparation and nonlinear optical response. RSC Advances, 2014, 4, 8779.	3.6	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.	3.1	8
130	Synthesis of one-dimensional structured metal phthalocyanine in an ionic liquid. Journal of Porphyrins and Phthalocyanines, 2007, 11, 713-718.	0.8	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.	1.8	7
132	A Twisted Bayâ€Substituted Quaterylene Phosphorescing in the <scp>NIR</scp> Spectral Region. Helvetica Chimica Acta, 2017, 100, e1700192.	1.6	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.	4.1	7
134	A Laser-Based Method for the Detection of Honey Adulteration. Applied Sciences (Switzerland), 2021, 11, 6435.	2.5	7
135	Structural Investigations in Electrochromic Vanadium Pentoxide Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, 2100431.	1.8	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.	2.5	6
137	Optical nonlinearities of C84 fullerenes. Chemical Physics Letters, 2006, 432, 497-501.	2.6	6
138	Solution processed multi-color organic light emitting diodes for application in telecommunications. Microelectronic Engineering, 2015, 145, 21-28.	2.4	6
139	Silicon Nanosheets: An Emerging 2D Photonic Material with a Large Transient Nonlinear Optical Response beyond Graphene. Nanomaterials, 2022, 12, 90.	4.1	6
140	WO3 Films Grown by Spray Pyrolysis for Smart Windows Applications. Coatings, 2022, 12, 545.	2.6	6
141	Deviations from equilibrium in the 6 3P levels of mercury in an ac arc plasma. Optics Communications, 1988, 67, 214-217.	2.1	5
142	Time dependence of nonequilibrium in the Hg resonance level in an AC arc plasma. Optics Communications, 1988, 65, 22-25.	2.1	5
143	Stark broadening of the 690.7 nm mercury line in highâ€pressure mercury discharges. Journal of Applied Physics, 1992, 72, 3341-3343.	2.5	5
144	Ultrafast third-order nonlinear optical response of C84, C84â€D2 (IV) and C84â€D2d (II). Chemical Physics Letters, 2006, 425, 110-113.	2.6	5

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145	Palladium micellar nanohybrids with tunable nonlinear optical response. <i>Optical Materials</i> , 2013, 36, 123-129.	3.6	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.	3.1	4
149	Third-order optical nonlinearities of PVP/Pd nanohybrids. <i>Optical Materials</i> , 2017, 72, 226-232.	3.6	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.	3.6	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.	3.7	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.	3.1	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.	1.3	3
154	<title>Optical properties of metal-coated silicon nanocrystals</title>. , 2000, 4070, 465.		3
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