Wei Ji

List of Publications by Year
in descending order

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269	13,053	18436 62	30010 103
papers	citations	h-index	g-index

271	271	271	13517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Raman spectra of CuO nanocrystals. Journal of Raman Spectroscopy, 1999, 30, 413-415.	1.2	539
2	Electronic Structure and Optical Limiting Behavior of Carbon Nanotubes. Physical Review Letters, 1999, 82, 2548-2551.	2.9	392
3	Preparation and Characterization of CuO Nanocrystals. Journal of Solid State Chemistry, 1999, 147, 516-519.	1.4	379
4	Synthesis, Characterization, and Nonlinear Optical Properties of Copper Nanoparticles. Langmuir, 1997, 13, 172-175.	1.6	317
5	Synthesis and Optical Limiting Capability of Cubane-like Mixed Metal Clusters (n-Bu4N)3[MoAg3BrX3S4] (X = Cl and I). Journal of the American Chemical Society, 1994, 116, 3615-3616.	6.6	289
6	Determination of nonlinear absorption and refraction by single Z-scan method. Applied Physics B: Lasers and Optics, 2000, 70, 587-591.	1.1	281
7	New Insights on the Nanoparticle Growth Mechanism in the Citrate Reduction of Gold(III) Salt:â€‰ Formation of the Au Nanowire Intermediate and Its Nonlinear Optical Properties. Journal of Physical Chemistry C, 2007, 111, 6281-6287.	1.5	263
8	Rational Synthesis, Self-Assembly, and Optical Properties of PbSâ^'Au Heterogeneous Nanostructures via Preferential Deposition. Journal of the American Chemical Society, 2006, 128, 11921-11926.	6.6	240
9	Observation of saturable and reverse-saturable absorption at longitudinal surface plasmon resonance in gold nanorods. Applied Physics Letters, 2006, 88, 083107.	1.5	235
10	Multiwalled Carbon Nanotubes Beaded with ZnO Nanoparticles for Ultrafast Nonlinear Optical Switching. Advanced Materials, 2006, 18, 587-592.	11.1	219
11	Broadband optical limiting with multiwalled carbon nanotubes. Applied Physics Letters, 1998, 73, 3632-3634.	1.5	215
12	Three-photon absorption in ZnO and ZnS crystals. Optics Express, 2005, 13, 9235.	1.7	204
13	Room-Temperature Hydrogen Uptake by TiO2Nanotubes. Inorganic Chemistry, 2005, 44, 4124-4126.	1.9	197
14	Giant Two-Photon Absorption in Bilayer Graphene. Nano Letters, 2011, 11, 2622-2627.	4.5	191
15	Synthesis, Characterization, and Nonlinear Optical Properties of Hybridized CdSâ^'Polystyrene Nanocomposites. Chemistry of Materials, 2002, 14, 4473-4479.	3.2	183
16	Nonlinear optical properties of some polymer/multi-walled carbon nanotube composites. Chemical Physics Letters, 2000, 318, 505-510.	1.2	179
17	Electronic and optical properties of nitrogen-doped multiwalled carbon nanotubes. Physical Review B, 2006, 73, .	1.1	173
18	Highâ€Performance Broadband Photodetector Using Solutionâ€Processible PbSeâ€“TiO‹sub›2‹/sub›â€“Graphene Hybrids. Advanced Materials, 2012, 24, 1697-1702.	11.1	151

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19	Multiphoton harvesting metalâ€“organic frameworks. Nature Communications, 2015, 6, 7954.	5.8	149
20	Preparation of ZnS nanoparticles by ultrasonic radiation method. Applied Physics A: Materials Science and Processing, 1998, 66, 639-641.	1.1	147
21	Large Nonlinear Absorption in Coated Ag2S/CdS Nanoparticles by Inverse Microemulsion. Journal of Physical Chemistry B, 1998, 102, 1884-1887.	1.2	145
22	Transparent nanohybrids of nanocrystalline TiO2 in PMMA with unique nonlinear optical behavior. Journal of Materials Chemistry, 2003, 13, 1475.	6.7	144
23	Controlling the crystallinity and nonlinear optical properties of transparent TiO2â€“PMMA nanohybrids. Journal of Materials Chemistry, 2004, 14, 2978-2987.	6.7	144
24	New Nonlinear Optical Chromophore: Synthesis, Structures, and Optical Limiting Effect of Transition-Metal Clusters (n-Bu4N)3[WM3Br4S4] (M = Cu and Ag). The Journal of Physical Chemistry, 1994, 98, 3570-3572.	2.9	136
25	Phase-Selective Synthesis of CuInS₂ Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 15037-15042.	1.5	126
26	Optical-Limiting Properties of Oleylamine-Capped Gold Nanoparticles for Both Femtosecond and Nanosecond Laser Pulses. ACS Applied Materials & Interfaces, 2009, 1, 2298-2303.	4.0	118
27	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO2 nanocomposites. Applied Physics Letters, 2003, 82, 2691-2693.	1.5	109
28	Ultrafast optical nonlinearities and figures of merit in acceptor-substituted 3,4,5-trimethoxy chalcone derivatives: Structure-property relationships. Journal of Applied Physics, 2008, 103, .	1.1	108
29	Optical limiting properties of metal nanowires. Applied Physics Letters, 2006, 88, 223106.	1.5	106
30	Investigation of an optical limiting mechanism in multiwalled carbon nanotubes. Applied Optics, 2000, 39, 1998.	2.1	104
31	Gold and silver coated carbon nanotubes: An improved broad-band optical limiter. Chemical Physics Letters, 2005, 409, 85-88.	1.2	104
32	Nonlinear optical properties of multilayer graphene in the infrared. Optics Express, 2016, 24, 13033.	1.7	104
33	Synthesis of boron nitride nanotubes and its hydrogen uptake. Catalysis Today, 2007, 120, 346-350.	2.2	103
34	Multi-photon absorption and third-order nonlinearity in silicon at mid-infrared wavelengths. Optics Express, 2013, 21, 32192.	1.7	103
35	Preparation of carbon nanoparticles with strong optical limiting properties by laser ablation in water. Journal of Applied Physics, 2004, 95, 1455-1459.	1.1	100
36	Two-photon-induced excited-state absorption: Theory and experiment. Applied Physics Letters, 2008, 92, .	1.5	95

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37	Determination of optical nonlinearities and carrier lifetime in ZnO. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1951.	0.9	94
38	Effects of nitrogenation on single-walled carbon nanotubes within density functional theory. Physical Review B, 2007, 76, .	1.1	93
39	One-pot synthesis and third-order nonlinear optical properties of AgInS2 nanocrystals. Chemical Communications, 2006, , 4276.	2.2	92
40	Excitonic Properties of Chemically Synthesized 2D Organicâ€“Inorganic Hybrid Perovskite Nanosheets. Advanced Materials, 2018, 30, e1704055.	11.1	92
41	Femtosecond Z-scan measurements of nonlinear refraction in nonlinear optical crystals. Optical Materials, 2001, 15, 237-242.	1.7	91
42	Carbon nanoparticles based nonlinear optical liquid. Carbon, 2004, 42, 2735-2737.	5.4	91
43	Optical Power Limiting with Solutions of Hexagonal Prism Cage Shaped Transition-Metal Cluster Mo2Ag4S8(PPh3)4. The Journal of Physical Chemistry, 1995, 99, 17297-17301.	2.9	88
44	Tuning Optical Conductivity of Largeâ€Scale CVD Graphene by Strain Engineering. Advanced Materials, 2014, 26, 1081-1086.	11.1	86
45	Synthesis and Superior Third-Order Nonlinear Optical Properties of the Cluster (n-Bu4N)4[Mo8Cu12O8S24]. The Journal of Physical Chemistry, 1995, 99, 894-898.	2.9	85
46	Nanosecond reverse saturable absorption in cubanelike transition-metal clusters. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 876.	0.9	82
47	Solid State Synthesis, Crystal Structure, Decomposition Reactions, and Optical Nonlinearity of a Twin-Nest-Shaped Cluster Compound, [Et4N]4[Mo2O2S6Cu6I6]. Inorganic Chemistry, 1996, 35, 5363-5367.	1.9	81
48	The mixed metal cluster (n-Bu4N)2[MoCu3OS3(NCS)3]: the first example of a nest-shaped compound with large third-order polarizability and optical limiting effect. Materials Chemistry and Physics, 1995, 39, 298-303.	2.0	80
49	Optical nonlinearities and photo-excited carrier lifetime in CdS at 532 nm. Optics Communications, 2001, 190, 351-356.	1.0	80
50	Excitonic nonlinear absorption in CdS nanocrystals studied usingZ-scan technique. Journal of Applied Physics, 2004, 95, 6381-6386.	1.1	79
51	Synthesis of PbS/CdS Coreâ”Shell QDs and their Nonlinear Optical Properties. Journal of Physical Chemistry C, 2010, 114, 18037-18044.	1.5	78
52	Alteration of Nonlinear Refraction by Mixing Clusters [WOS3Cu3I(py)5] and [MoOS3Cu3I(py)5]. Journal of Physical Chemistry B, 1997, 101, 27-31.	1.2	77
53	Ultrafast absorptive and refractive nonlinearities in multiwalled carbon nanotube films. Applied Physics Letters, 2004, 85, 1799-1801.	1.5	70
54	2D Perovskites with Giant Excitonic Optical Nonlinearities for Highâ€Performance Subâ€Bandgap Photodetection. Advanced Materials, 2019, 31, e1904155.	11.1	70

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55	Crystal structure and non-linear optical properties of a novel half-open cubane-like cluster [Et4N]3[WOS3(CuI)3(Âµ2-I)]Â· H2O. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2343-2346.	1.7	68
56	Diblock Copolymer Templated Nanohybrid Thin Films of Highly Ordered TiO2Nanoparticle Arrays in PMMA Matrix. Chemistry of Materials, 2006, 18, 5876-5889.	3.2	68
57	Z-scan theory of two-photon absorption saturation and experimental evidence. Journal of Applied Physics, 2007, 102, .	1.1	66
58	Size-dependent optical limiting behavior of multi-walled carbon nanotubes. Chemical Physics Letters, 2002, 352, 328-333.	1.2	64
59	Efficient Third Harmonic Generation in a Metalâ€“Organic Framework. Chemistry of Materials, 2016, 28, 3385-3390.	3.2	64
60	Microwave Irradiation Synthesis of Mo(W)/Tl/S Linear Chains and Their Nonlinear Optical Properties in Solution. Inorganic Chemistry, 1996, 35, 7924-7927.	1.9	63
61	Gain narrowing and random lasing from dye-doped polymer-dispersed liquid crystals with nanoscale liquid crystal droplets. Applied Physics Letters, 2006, 89, 011111.	1.5	63
62	Laser Patterning of Epitaxial Graphene for Schottky Junction Photodetectors. ACS Nano, 2011, 5, 5969-5975.	7.3	63
63	Synthesis, structure and optical limiting effect of two new nickel complexes containing strongly bound geometrically fixed multiâ€sulfur 1,2â€dithiolene ligands showing remarkable nearâ€IR absorption. Journal of Materials Chemistry, 1999, 9, 2419-2423.	6.7	62
64	Observation of Interband Two-Photon Absorption Saturation in CdS Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 19184-19187.	1.2	62
65	Templated Deposition of MoS2 Nanotubules Using Single Source Precursor and Studies of Their Optical Limiting Properties. Journal of Physical Chemistry B, 2006, 110, 1235-1239.	1.2	61
66	Modified carbon nanotubes as broadband optical limiting nanomaterials. Journal of Materials Research, 2006, 21, 2758-2766.	1.2	61
67	Efficient Photoluminescence of Mn²⁺-Doped ZnS Quantum Dots Excited by Two-Photon Absorption in Near-Infrared Window II. Journal of Physical Chemistry C, 2013, 117, 20905-20911.	1.5	61
68	Ultrafast and Large Third-Order Nonlinear Optical Properties of CdS Nanocrystals in Polymeric Film. Journal of Physical Chemistry B, 2005, 109, 4373-4376.	1.2	60
69	Fe_3O_4-Ag nanocomposites for optical limiting:â€broad temporal response and low threshold. Optics Express, 2010, 18, 6183.	1.7	59
70	Picosecond Z-scan study of bound electronic Kerr effect in LiNbO 3 crystal associated with two-photon absorption. Applied Physics B: Lasers and Optics, 1997, 64, 659-662.	1.1	57
71	Three-photon absorption in water-soluble ZnS nanocrystals. Applied Physics Letters, 2006, 88, 181114.	1.5	57
72	Highâ€Performance Hybrid Solar Cell Made from CdSe/CdTe Nanocrystals Supported on Reduced Graphene Oxide and PCDTBT. Advanced Functional Materials, 2014, 24, 1904-1910.	7.8	56

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73	Siteâ€specific deposition of Ag nanoparticles on ZnO nanorod arrays via galvanic reduction and their SERS applications. Journal of Raman Spectroscopy, 2010, 41, 907-913.	1.2	54
74	Characterization of ZnS Nanoparticles Prepared by New Route. Journal of Materials Science Letters, 1999, 18, 115-117.	0.5	53
75	Bound electronic Kerr effect and self-focusing induced damage in second-harmonic-generation crystals. Optics Communications, 1997, 144, 75-81.	1.0	52
76	Low-threshold and narrow-linewidth lasing from dye-doped holographic polymer-dispersed liquid crystal transmission gratings. Applied Physics Letters, 2006, 88, 061107.	1.5	52
77	Gravitation-dependent, thermally-induced self-diffraction in carbon nanotube solutions. Optics Express, 2006, 14, 8958.	1.7	52
78	Optical limiting properties of silver nanoprisms. Applied Physics Letters, 2008, 92, .	1.5	52
79	Large optical limiting properties of the pentanuclear â€˜openâ€™ structural cluster compound [WS4Cu4(SCN)2(py)6]. Chemical Communications, 1998, , 505-506.	2.2	51
80	Strong optical limiting (OL) capability of the two-dimensional network cluster polymer [MoS4Cu6I4(py)4]n. Chemical Communications, 1999, , 647-648.	2.2	51
81	Synthesis and nonlinear optical switching of Bi2S3 nanorods and enhancement in the NLO response of Bi2S3@Au nanorod-composites. New Journal of Chemistry, 2014, 38, 985.	1.4	50
82	Determination of two-photon-generated free-carrier lifetime in semiconductors by a single-beam Z-scan technique. Applied Physics B: Lasers and Optics, 1997, 65, 549-554.	1.1	49
83	Novel CdS Nanostructures: Synthesis and Field Emission. Journal of Physical Chemistry C, 2008, 112, 11227-11230.	1.5	49
84	Mid-infrared optical nonlinearities of chalcogenide glasses in Ge-Sb-Se ternary system. Optics Express, 2015, 23, 1300.	1.7	48
85	Nonlinear optical properties of 2,4,5-Trimethoxy-4Í´-nitrochalcone: observation of two-photon-induced excited-state nonlinearities. Optics Express, 2009, 17, 1126.	1.7	47
86	Synthesis and Superior Opticalâ€Limiting Properties of Fluoreneâ€Thiopheneâ€Benzothiadazole Polymerâ€Functionalized Graphene Sheets. Small, 2010, 6, 2292-2300.	5.2	46
87	Nonlinear optical properties of a one-dimensional coordination polymer. Journal of Materials Chemistry C, 2017, 5, 2936-2941.	2.7	46
88	Z-scan analytical theories for characterizing multiphoton absorbers. Applied Physics B: Lasers and Optics, 2009, 95, 375-381.	1.1	45
89	Synthesis, crystal structure and large third-order nonlinear optical properties of two novel nest-shaped clusters [MOS3Cu3(SCN)(Py)5] (M=Mo, W). Physical Chemistry Chemical Physics, 1999, 1, 3145-3149.	1.3	43
90	Enhanced nonlinear optical responses in donor-acceptor ionic complexes via photo induced energy transfer. Optics Express, 2010, 18, 25928.	1.7	43

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91	Switching on Fluorescent Emission by Molecular Recognition and Aggregation Dissociation. Advanced Functional Materials, 2012, 22, 361-368.	7.8	42
92	Near-White Light Emission from Lead(II) Metalâ€“Organic Frameworks. Inorganic Chemistry, 2018, 57, 11341-11348.	1.9	42
93	Two-photon-induced excited-state nonlinearities. Optics Express, 2008, 16, 17745.	1.7	40
94	Three-photon absorption saturation in ZnO and ZnS crystals. Journal of Applied Physics, 2008, 103, .	1.1	40
95	Transient photoconductivity and femtosecond nonlinear optical properties of a conjugated polymerâ€“graphene oxide composite. Nanotechnology, 2010, 21, 415203.	1.3	40
96	Synthesis, Strong Two-Photon Absorption, and Optical Limiting Properties of Novel C₇₀/C₆₀ Derivatives Containing Various Carbazole Units. Journal of Physical Chemistry B, 2009, 113, 14565-14573.	1.2	39
97	Synthesis, crystal structure and nonlinear optical properties of two novel linear cluster polymers {[MoOS3Cu3(CN)(py)3]Â·0.5C6H6}n and [WOS3Cu3(CN)(py)4]n. Journal of the Chemical Society Dalton Transactions, 1999, , 2953-2957.	1.1	38
98	Near-resonant third-order optical nonlinearities in p-toluene sulfonate polydiacetylene. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1552.	0.9	37
99	Characterization and nonlinear optical properties of a poly(acrylic acid)â€“surfactantâ€“multi-walled carbon nanotube complex. Chemical Physics Letters, 2000, 332, 461-466.	1.2	37
100	Third-order optical nonlinearity at 800 and 1300 nm in bismuthate glasses doped with silver nanoparticles. Optics Express, 2014, 22, 13438.	1.7	35
101	Crystal structures and non-linear optical properties of cluster compounds [MAu2S4(AsPh3)2] (Mâ€¦=â€¦Mo) Tj ETQq1 1 0.784314	1.1	34
102	Syntheses, Crystal Structures and Optical Limiting Properties of Three Novel Organometallic Tungsten-Copper-Sulfur Clusters: [PPh4][(Î·5-C5Me5)WS3(CuCN)2], [(Î·5-C5Me5)WS3Cu2(PPh3)(Î¼-CN)]2 and [PPh4][{(Î·5-C5Me5)WS3Cu2(CN)(Py)}2(Î¼-CN)]. European Journal of Inorganic Chemistry, 2004, 2004, 86-92.	1.0	33
103	Two- and three-photon absorption of semiconductor quantum dots in the vicinity of half of lowest exciton energy. Applied Physics Letters, 2008, 93, .	1.5	33
104	Z-scan technique for investigation of the noninstantaneous optical Kerr nonlinearity. Optics Letters, 2009, 34, 2769.	1.7	33
105	Tadpole-Shaped AgInSe₂ Nanocrystals from a Single Molecular Precursor and its Nonlinear Optical Properties. Crystal Growth and Design, 2010, 10, 1237-1242.	1.4	33
106	Optical limiting properties of amorphous SixNy and SiC coated carbon nanotubes. Chemical Physics Letters, 2004, 383, 72-75.	1.2	32
107	AgInSe2 nanorods: A semiconducting material for saturable absorber. Applied Physics Letters, 2007, 90, 033106.	1.5	32
108	Carrier concentration dependence of optical Kerr nonlinearity in indium tin oxide films. Applied Physics B: Lasers and Optics, 2006, 82, 439-442.	1.1	31

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109	Auger recombination and intraband absorption of two-photon-excited carriers in colloidal CdSe quantum dots. Applied Physics Letters, 2007, 90, 133112.	1.5	31
110	FUNCTIONALIZATION EFFECT ON THE ELECTRONIC PROPERTIES OF SINGLE WALLED CARBON NANOTUBES. Functional Materials Letters, 2008, 01, 1-6.	0.7	31
111	Solid State Synthesis and Optical Limiting Effect of Two Heteroselenometallic Cubane-Like Clusters (Î¼3-MoSe4)M3(PPh3)3Cl (M = Cu and Ag). Journal of Physical Chemistry B, 2000, 104, 3446-3449.	1.2	30
112	Titania-PMMA nanohybrids of enhanced nanocrystallinity. Journal of Electroceramics, 2006, 16, 431-439.	0.8	30
113	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorenocarbonyl methano[60]fullerene pentads. Journal of Materials Chemistry, 2007, 17, 1826.	6.7	30
114	Shape-dependent two-photon absorption in semiconductor nanocrystals. Optics Express, 2009, 17, 13140.	1.7	29
115	Allâ€optical power limiting of CO2laser pulses using cascaded optical bistable elements. Applied Physics Letters, 1986, 48, 683-685.	1.5	28
116	Optical-limiting-based materials of mono-functional, multi-functional and supramolecular C60-containing polymers. Thin Solid Films, 2005, 477, 63-72.	0.8	28
117	Analytical expression for femtosecond-pulsed Z scans on instantaneous nonlinearity. Applied Optics, 2008, 47, 1187.	2.1	28
118	Two-photon absorption of quantum dots in the regime of very strong confinement: size and wavelength dependence. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1897.	0.9	28
119	Dynamics of two-photon-induced three-photon absorption in nanosecond, picosecond, and femtosecond regimes. Optics Letters, 2010, 35, 417.	1.7	28
120	Surface Plasmon Enhanced Third-Order Nonlinear Optical Effects in Agâ"Fe₃O₄ Nanocomposites. Journal of Physical Chemistry C, 2010, 114, 22466-22471.	1.5	28
121	Strongly linearly polarized low threshold lasing of all organic photonic quasicrystals. Scientific Reports, 2012, 2, 627.	1.6	28
122	Two-photon absorption and subband photodetection in monolayer MoS_2. Optics Letters, 2017, 42, 3113.	1.7	28
123	Synthesis, DFT calculations, linear and nonlinear optical properties of binuclear phthalocyanine gallium chloride. Journal of Molecular Modeling, 2006, 12, 543-550.	0.8	27
124	Synthesis, characterization and nonlinear optical properties of copolymers of benzylaminofullerene with methyl methacrylate or ethyl methacrylate. Polymer, 1999, 40, 2863-2867.	1.8	26
125	Stimulated emission of CdS nanowires grown by thermal evaporation. Applied Physics Letters, 2007, 91, .	1.5	26
126	Two-directional lasing from a dye-doped two-dimensional hexagonal photonic crystal made of holographic polymer-dispersed liquid crystals. Applied Physics Letters, 2009, 95, .	1.5	26

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127	Optical-limiting properties of neutral nickel dithiolenes. Applied Physics B: Lasers and Optics, 2000, 70, 809-812.	1.1	25
128	Nonlinear optical response of Ge nanocrystals in silica matrix with excitation of femtosecond pulses. Applied Physics B: Lasers and Optics, 2001, 72, 611-615.	1.1	25
129	Effect of liquid crystal concentration on the lasing properties of dye-doped holographic polymer-dispersed liquid crystal transmission gratings. Applied Physics Letters, 2007, 90, 011109.	1.5	25
130	Concentration-dependent two-photon absorption and subsequent excited-state absorption in 4-methoxy-2-nitroaniline. Journal of Applied Physics, 2009, 106, .	1.1	25
131	Femtosecond third-order optical nonlinearity of BiFeO3. Optics Express, 2009, 17, 10970.	1.7	25
132	Perovskites: Multiphoton Absorption and Applications. Advanced Optical Materials, 2021, 9, 2100292.	3.6	25
133	Solid-state synthesis of cluster compound [MoCu3OS3(PPh3)3(CH3COO)] with its structure, reactivity and optical non-linearities. Inorganica Chimica Acta, 1998, 279, 172-177.	1.2	24
134	Dynamics of optical nonlinearity of Ge nanocrystals in a silica matrix. Applied Physics Letters, 2000, 77, 3926-3928.	1.5	24
135	Photophysical and Nonlinear-Optical Properties of a New Polymer:Â Hydroxylated Pyridyl Para-phenylene. Journal of Physical Chemistry B, 2003, 107, 11043-11047.	1.2	24
136	Nonlinear absorption and nonlinear refraction in a chemical vapor deposition-grown, ultrathin hexagonal boron nitride film. Optics Letters, 2016, 41, 1368.	1.7	24
137	Multiphoton Absorption and Two-Photon-Pumped Random Lasing in Crystallites of a Coordination Polymer. Journal of Physical Chemistry C, 2018, 122, 777-781.	1.5	24
138	Nonlinear Optical Transmission Properties of C₆₀ Dyads Consisting of a Light-Harvesting Diphenylaminofluorene Antenna. Journal of Physical Chemistry B, 2008, 112, 9561-9564.	1.2	23
139	Two-Photon Absorption in Graphene Enhanced by the Excitonic Fano Resonance. Journal of Physical Chemistry C, 2015, 119, 16954-16961.	1.5	23
140	Photogenerated carrier recombination time in bulk ZnSe. Journal of Applied Physics, 1991, 69, 2708-2710.	1.1	22
141	Resonant optical nonlinearity of fullerenes in freeâ€standing polymethyl methacrylate films. Journal of Applied Physics, 1993, 74, 3669-3672.	1.1	22
142	Synthesis, crystal structure and third-order optical nonlinearity of a â€˜flywheelâ€™-shaped cluster, [MoS4Cu3(dppm)3][BF4]Â·2H2O. Polyhedron, 2000, 19, 1545-1549.	1.0	22
143	Syntheses, crystal structures and non-linear optical properties of two novel windmill-shaped clusters: [M2Pd4S8(dppm)2]Â·4DMF (Mâ€…=â€…W or Mo). Dalton Transactions RSC, 2000, , 2145-2149.	2.3	22
144	Nonlinear optical properties of mono-functional 1,2-dihydro-1,2-methanofullerene[60]-61-carboxylic acid/polymer composites. Chemical Physics Letters, 2003, 369, 281-286.	1.2	22

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145	High efficiency and nearly cubic power dependence of below-band-edge photoluminescence in water-soluble, copperdoped ZnSe/ZnS Quantum dots. Optics Express, 2008, 16, 5715.	1.7	22
146	Intensity-dependent enhancement of saturable absorption in PbSâ€“Au4 nanohybrid composites: Evidence for resonant energy transfer by Auger recombination. Applied Physics Letters, 2008, 92, .	1.5	22
147	Rapid Synthesis of Highly Monodisperse Au_xAg_{1â^'x} Alloy Nanoparticles via a Half-Seeding Approach. Langmuir, 2011, 27, 5633-5643.	1.6	22
148	Two-photon absorption arises from two-dimensional excitons. Optics Express, 2018, 26, 16093.	1.7	22
149	Quasi-CW optical bistability in InSb at room temperature. IEEE Journal of Quantum Electronics, 1986, 22, 369-375.	1.0	21
150	Synthesis and nonlinear optical absorptive and refractive properties of several novel nest-shaped clusters, and crystal structures of [MoI(bPy)2][MoOS3Cu3I2(bPy)] and [MoOS3Cu3I(Phen)2]. Inorganica Chimica Acta, 2000, 299, 147-154.	1.2	21
151	Investigations of structure and nonlinear optical properties of gold doped germaniumâ€“galliumâ€“sulfur chalcogenide glasses. Journal of Non-Crystalline Solids, 2015, 412, 30-34.	1.5	21
152	Giant Threeâ€Photon Absorption in Monolayer MoS₂ and Its Application in Nearâ€Infrared Photodetection. Laser and Photonics Reviews, 2017, 11, 1700021.	4.4	21
153	Synthesis and tunable nonlinear absorption properties of Zn3Mo2O9 nanosheet ceramic material. Optical Materials, 2020, 99, 109570.	1.7	21
154	Observation of a fifth-order optical nonlinearity in Bi0.9La0.1Fe0.98Mg0.02O3 ferroelectric thin films. Applied Physics Letters, 2009, 95, 041114.	1.5	20
155	Huge enhancement of optical nonlinearities in coupled Au and Ag nanoparticles induced by conjugated polymers. Applied Physics Letters, 2012, 100, 023106.	1.5	20
156	Mid-infrared optical properties of chalcogenide glasses within tin-antimony-selenium ternary system. Optics Express, 2017, 25, 25674.	1.7	20
157	Room-temperature optical nonlinearities of electronic origin in ZnSe. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 868.	0.9	19
158	Three-photon absorption in semiconductor quantum dots: experiment. Optics Express, 2008, 16, 6999.	1.7	19
159	Two-step four-photon absorption. Optics Express, 2008, 16, 10208.	1.7	19
160	Linear and Nonlinear Optical Properties of Photoresponsive [60]Fullerene Hybrid Triads and Tetrads with Dual NIR Two-Photon Absorption Characteristics. Journal of Physical Chemistry C, 2013, 117, 17186-17195.	1.5	19
161	Third-order optical nonlinearities of chalcogenide glasses within Ge-Sn-Se ternary system at a mid-infrared window. Optical Materials Express, 2015, 5, 2359.	1.6	19
162	Two-Photon Absorption and Fluorescence in Micrometer-Sized Single Crystals of a Rhodamine B Coordinated Metalâ€“Organic Framework. ACS Applied Nano Materials, 2018, 1, 5408-5413.	2.4	19

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163	The Laguerre-Gaussian series representation of two-dimensional fractional Fourier transform. Journal of Physics A, 1998, 31, 9353-9357.	1.6	18
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