

Chan Zheng

List of Publications by Year in descending order

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papers

884
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1194
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#	ARTICLE	IF	CITATIONS
1	MOF-templated Synthesis of Ultrasmall Photoluminescent Carbon Nanodot Arrays for Optical Applications. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6853-6858.	13.8	179
2	Shape dependence of nonlinear optical behaviors of nanostructured silver and their silica gel glass composites. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	54
3	Synthesis and third-order nonlinear optical properties of a multiwalled carbon nanotube-organically modified silicate nanohybrid gel glass. <i>Carbon</i> , 2009, 47, 2889-2897.	10.3	43
4	Graphene oxide-noble metal (Au, Pt, and Pd) nanoparticle composites as optical limiters. <i>RSC Advances</i> , 2014, 4, 39697-39703.	3.6	39
5	Cost-Effective, High-Yield Production of Biotemplated Catalytic Tubular Micromotors as Self-Propelled Microcleaners for Water Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31226-31235.	8.0	37
6	Record Aluminum Molecular Rings for Optical Limiting and Nonlinear Optics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
7	High-energy storage density in NaNbO_3 -modified $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ - BiAlO_3 -based lead-free ceramics under low electric field. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2610-2620.		26
8	Construction of a graphene oxide-encapsulated Pt@TiO ₂ core/shell ternary composite nanostructure with enhanced optical limiting behavior. <i>Carbon</i> , 2015, 93, 400-411.	10.3	24
9	Nanosecond nonlinear optical and optical limiting properties of hollow gold nanocages. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	24
10	Facile one-step fabrication of upconversion fluorescence carbon quantum dots anchored on graphene with enhanced nonlinear optical responses. <i>RSC Advances</i> , 2018, 8, 10267-10276.	3.6	24
11	The synthesis of carbon nanotube based composites with conducting, semiconducting, and insulating coatings and their optical limiting properties. <i>Carbon</i> , 2010, 48, 3750-3759.	10.3	20
12	$\text{SiO}_2/\text{TiO}_2/\text{Ag}$ multilayered microspheres: Preparation, characterization, and enhanced infrared radiation property. <i>Applied Surface Science</i> , 2015, 345, 279-285.	6.1	20
13	Nonlinear optical behavior of silver nanopentagons. <i>Materials Letters</i> , 2014, 116, 1-4.	2.6	19
14	Encapsulation of graphene oxide/metal hybrids in nanostructured sol-gel silica ORMOSIL matrices and its applications in optical limiting. <i>Optics and Laser Technology</i> , 2015, 68, 52-59.	4.6	17
15	Nonlinear optical and optical limiting properties of ultra-long gold nanowires. <i>Materials Letters</i> , 2016, 166, 51-54.	2.6	17
16	MOF-templated Synthesis of Ultrasmall Photoluminescent Carbon Nanodot Arrays for Optical Applications. <i>Angewandte Chemie</i> , 2017, 129, 6957-6962.	2.0	17
17	Spirulina-templated porous hollow carbon@magnetite core-shell microswimmers. <i>Applied Materials Today</i> , 2021, 22, 100962.	4.3	17
18	Microemulsion-assisted hydrothermal preparation and infrared radiation property of TiO ₂ nanomaterials with tunable morphologies and crystal form. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 295-301.	4.0	16

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19	Composition-dependent optical limiting behavior of all-inorganic halide perovskite quantum dots. <i>Optical Materials</i> , 2020, 110, 110521.	3.6	16
20	Linear and nonlinear optical properties of ultrafine WO ₃ nanorods. <i>Optik</i> , 2018, 156, 994-998.	2.9	15
21	Characterization and enhanced nonlinear optical limiting response in carbon nanodots dispersed in solid-state hybrid organically modified silica gel glasses. <i>Optical Materials</i> , 2018, 76, 335-343.	3.6	15
22	Study on Au nanoparticles, TiO ₂ nanoclusters, and SiO ₂ nanoshells coated multi-wall carbon nanotubes/silica gel-glass. <i>Optical Materials</i> , 2012, 34, 1042-1047.	3.6	14
23	Effect of sintering temperature on the depolarization behavior of (Bi _{0.5} Na _{0.5})TiO ₃ -based ceramics. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3344-3353.	3.8	14
24	Morphology related nonlinear optical response of tungsten trioxide nanostructures to nanosecond laser pulses. <i>Optical Materials</i> , 2019, 88, 451-457.	3.6	13
25	Preparation and optical limiting properties of carbon nanotubes coated with Au nanoparticle composites embedded in silica gel-glass. <i>Materials Letters</i> , 2011, 65, 150-152.	2.6	12
26	Fabricating silver nanoplate/hybrid silica gel glasses and investigating their nonlinear optical absorption behavior. <i>Optical Materials</i> , 2014, 36, 982-987.	3.6	12
27	Graphene-based hierarchical sandwich-type hybrid nanostructures for optical limiters. <i>Optical Materials</i> , 2019, 98, 109453.	3.6	12
28	Bubble-propelled micromotors based on hierarchical MnO ₂ wrapped carbon nanotube aggregates for dynamic removal of pollutants. <i>RSC Advances</i> , 2020, 10, 14846-14855.	3.6	12
29	Microemulsion-assisted hydrothermal synthesis of mesoporous silver/titania composites with enhanced infrared radiation performance. <i>Materials Letters</i> , 2015, 152, 237-239.	2.6	9
30	Synthesis and optical limiting properties of graphene oxide/bimetallic nanoparticles. <i>Optik</i> , 2016, 127, 1792-1796.	2.9	9
31	Facile assembly of tetragonal Pt clusters on graphene oxide for enhanced nonlinear optical properties. <i>Optical Materials</i> , 2015, 49, 152-157.	3.6	8
32	Hexagonal WO ₃ ·0.33H ₂ O Hierarchical Microstructure with Efficient Photocatalytic Degradation Activity. <i>Catalysts</i> , 2021, 11, 496.	3.5	8
33	TiO ₂ @carbon microsphere core-shell micromotors for photocatalytic water remediation. <i>Optical Materials</i> , 2022, 124, 111989.	3.6	8
34	Encapsulation of cobalt porphyrins in organically modified silica gel glasses and their nonlinear optical properties. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	7
35	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000101.	6.1	7
36	Au nanoparticle decorated WO ₃ nanorods with enhanced optical limiting activity. <i>Optical Materials Express</i> , 2020, 10, 2655.	3.0	7

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37	Enhanced optical limiting properties of graphene oxide/triangular Pd nanocrystal composites. <i>Materials Letters</i> , 2014, 131, 284-287.	2.6	6
38	Self-assembly of cadmium metasilicate nanowires as a broadband optical limiter. <i>Optical Materials</i> , 2016, 54, 50-56.	3.6	6
39	One-step synthesis and assembly of spindle-shaped akaganite nanoparticles via sonochemistry. <i>CrystEngComm</i> , 2018, 20, 2989-2995.	2.6	6
40	Symmetric Catalytic Pt-MnO ₂ @Carbon Microspheres as Micromotors for Dynamic Pollutant Remediation. <i>Nano</i> , 2020, 15, 2050114.	1.0	6
41	Microstructure and optical limiting properties of multicomponent inorganic gel-glasses: A focus on SiO ₂ , TiO ₂ and PbO gel-glasses. <i>Ceramics International</i> , 2014, 40, 2669-2675.	4.8	5
42	Facile control of metal nanoparticles from isolated nanoparticles to aggregated clusters on two-dimensional graphene to form optical limiters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11579-11589.	5.5	5
43	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020, 2, 2070121.	6.1	5
44	Robust and efficient optical limiters based on molybdenum disulfide nanosheets embedded in solid-state heavy-metal oxide glasses. <i>Optical Materials Express</i> , 2020, 10, 1463.	3.0	5
45	Efficient tailored nonlinear optical responses by nanoassemblies: Focus on spindle Fe ²⁺ -FeOOH nanorods. <i>Ceramics International</i> , 2018, 44, 17180-17188.	4.8	4
46	Influence of doping level on the structure, texture, and nonlinear optical properties of graphene oxide/Au hybrids doped ORMOSIL gel glasses. <i>Ceramics International</i> , 2014, 40, 16245-16251.	4.8	3
47	Heterometallic Al ₆ Zn ₁₂ nano-plate with π -conjugated ligand: synthesis and nonlinear absorption properties. <i>Chemical Communications</i> , 2021, 57, 12820-12823.	4.1	3
48	Selective heterogeneous nucleation of gold nanoparticles on one-dimensional cadmium silicate for enhanced nonlinear optical responses. <i>RSC Advances</i> , 2016, 6, 114078-114085.	3.6	2
49	Synthesis of one-dimensional calcium silicate nanowires as effective broadband optical limiters. <i>Applied Optics</i> , 2018, 57, 9183.	1.8	2
50	Record Aluminum Molecular Rings for Optical Limiting and Nonlinear Optics. <i>Angewandte Chemie</i> , 0, , .	2.0	2
51	Photocatalytic-induced bubble-propelled isotropic g-C ₃ N ₄ -coated carbon microsphere micromotors for dynamic removal of organic pollutants. <i>RSC Advances</i> , 2022, 12, 13116-13126.	3.6	2
52	The microstructure and photoluminescence properties of Eu ³⁺ -doped SiO ₂ -ZnO-Ga ₂ O ₃ composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2369-2373.	1.8	1
53	Synthesis of copper oxide dots assembly on copper silicate nanorods and their optical limiting properties. <i>Materials Letters</i> , 2017, 198, 42-45.	2.6	1
54	Optimization of Nonlinear Optical Response of One-Dimensional Nanostructured Sodium Titanate Through Morphological Control. <i>Nano</i> , 2020, 15, 2050086.	1.0	1

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55	Synthesis and Optical Limiting Properties of Graphene Oxide/Bimetallic Nanoparticles. Nano, 2016, 11, 1650033.	1.0	0