

Chan Zheng

List of Publications by Year in descending order

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55
papers

884
citations

516710

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58
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times ranked

1194
citing authors

#	ARTICLE	IF	CITATIONS
1	Record Aluminum Molecular Rings for Optical Limiting and Nonlinear Optics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
2	TiO ₂ @carbon microsphere core-shell micromotors for photocatalytic water remediation. <i>Optical Materials</i> , 2022, 124, 111989.	3.6	8
3	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
4	High-energy storage density in NaNbO ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ -BiAlO ₃ -based lead-free ceramics under low electric field. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2610-2620.	3.8	26
5	Spirulina-templated porous hollow carbon@magnetite core-shell microswimmers. <i>Applied Materials Today</i> , 2021, 22, 100962.	4.3	17
6	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
7	Hexagonal WO ₃ ·0.33H ₂ O Hierarchical Microstructure with Efficient Photocatalytic Degradation Activity. <i>Catalysts</i> , 2021, 11, 496.	3.5	8
8	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
9	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
10	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000101.	6.1	7
11	Optimization of Nonlinear Optical Response of One-Dimensional Nanostructured Sodium Titanate Through Morphological Control. <i>Nano</i> , 2020, 15, 2050086.	1.0	1
12	Composition-dependent optical limiting behavior of all-inorganic halide perovskite quantum dots. <i>Optical Materials</i> , 2020, 110, 110521.	3.6	16
13	Symmetric Catalytic Pt-MnO ₂ @Carbon Microspheres as Micromotors for Dynamic Pollutant Remediation. <i>Nano</i> , 2020, 15, 2050114.	1.0	6
14	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
15	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020, 2, 2070121.	6.1	5
16	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
17	Au nanoparticle decorated WO ₃ nanorods with enhanced optical limiting activity. <i>Optical Materials Express</i> , 2020, 10, 2655.	3.0	7
18	Graphene-based hierarchical sandwich-type hybrid nanostructures for optical limiters. <i>Optical Materials</i> , 2019, 98, 109453.	3.6	12

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19	Morphology related nonlinear optical response of tungsten trioxide nanostructures to nanosecond laser pulses. <i>Optical Materials</i> , 2019, 88, 451-457.	3.6	13
20	Linear and nonlinear optical properties of ultrafine WO ₃ nanorods. <i>Optik</i> , 2018, 156, 994-998.	2.9	15
21	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
22	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
23	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
24	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
25	One-step synthesis and assembly of spindle-shaped akaganite nanoparticles via sonochemistry. <i>CrystEngComm</i> , 2018, 20, 2989-2995.	2.6	6
26	Synthesis of one-dimensional calcium silicate nanowires as effective broadband optical limiters. <i>Applied Optics</i> , 2018, 57, 9183.	1.8	2
27	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
28	MOF-templated Synthesis of Ultrasmall Photoluminescent Carbon Nanodot Arrays for Optical Applications. <i>Angewandte Chemie</i> , 2017, 129, 6957-6962.	2.0	17
29	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
30	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
31	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
32	Synthesis and Optical Limiting Properties of Graphene Oxide/Bimetallic Nanoparticles. <i>Nano</i> , 2016, 11, 1650033.	1.0	0
33	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
34	Synthesis and optical limiting properties of graphene oxide/bimetallic nanoparticles. <i>Optik</i> , 2016, 127, 1792-1796.	2.9	9
35	Self-assembly of cadmium metasilicate nanowires as a broadband optical limiter. <i>Optical Materials</i> , 2016, 54, 50-56.	3.6	6
36	Nonlinear optical and optical limiting properties of ultra-long gold nanowires. <i>Materials Letters</i> , 2016, 166, 51-54.	2.6	17

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37	Construction of a graphene oxide-encapsulated Pt@TiO ₂ core/shell ternary composite nanostructure with enhanced optical limiting behavior. Carbon, 2015, 93, 400-411.	10.3	24
38	Microemulsion-assisted hydrothermal preparation and infrared radiation property of TiO ₂ nanomaterials with tunable morphologies and crystal form. Materials Science in Semiconductor Processing, 2015, 31, 295-301.	4.0	16
39	Microemulsion-assisted hydrothermal synthesis of mesoporous silver/titania composites with enhanced infrared radiation performance. Materials Letters, 2015, 152, 237-239.	2.6	9
40	SiO ₂ /TiO ₂ /Ag multilayered microspheres: Preparation, characterization, and enhanced infrared radiation property. Applied Surface Science, 2015, 345, 279-285.	6.1	20
41	Facile assembly of tetragonal Pt clusters on graphene oxide for enhanced nonlinear optical properties. Optical Materials, 2015, 49, 152-157.	3.6	8
42	Encapsulation of graphene oxide/metal hybrids in nanostructured sol-gel silica ORMOSIL matrices and its applications in optical limiting. Optics and Laser Technology, 2015, 68, 52-59.	4.6	17
43	Fabricating silver nanoplate/hybrid silica gel glasses and investigating their nonlinear optical absorption behavior. Optical Materials, 2014, 36, 982-987.	3.6	12
44	Nonlinear optical behavior of silver nanopentagons. Materials Letters, 2014, 116, 1-4.	2.6	19
45	Influence of doping level on the structure, texture, and nonlinear optical properties of graphene oxide/Au hybrids doped ORMOSIL gel glasses. Ceramics International, 2014, 40, 16245-16251.	4.8	3
46	Graphene oxide-noble metal (Au, Pt, and Pd) nanoparticle composites as optical limiters. RSC Advances, 2014, 4, 39697-39703.	3.6	39
47	Enhanced optical limiting properties of graphene oxide/triangular Pd nanocrystal composites. Materials Letters, 2014, 131, 284-287.	2.6	6
48	Microstructure and optical limiting properties of multicomponent inorganic gel-glasses: A focus on SiO ₂ , TiO ₂ and PbO gel-glasses. Ceramics International, 2014, 40, 2669-2675.	4.8	5
49	The microstructure and photoluminescence properties of Eu ³⁺ -doped SiO ₂ -ZnO-Ga ₂ O ₃ composite. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2369-2373.	1.8	1
50	Study on Au nanoparticles, TiO ₂ nanoclusters, and SiO ₂ nanoshells coated multi-wall carbon nanotubes/silica gel-glass. Optical Materials, 2012, 34, 1042-1047.	3.6	14
51	Preparation and optical limiting properties of carbon nanotubes coated with Au nanoparticle composites embedded in silica gel-glass. Materials Letters, 2011, 65, 150-152.	2.6	12
52	The synthesis of carbon nanotube based composites with conducting, semiconducting, and insulating coatings and their optical limiting properties. Carbon, 2010, 48, 3750-3759.	10.3	20
53	Synthesis and third-order nonlinear optical properties of a multiwalled carbon nanotube-organically modified silicate nanohybrid gel glass. Carbon, 2009, 47, 2889-2897.	10.3	43
54	Shape dependence of nonlinear optical behaviors of nanostructured silver and their silica gel glass composites. Applied Physics Letters, 2008, 93, .	3.3	54

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55	Record Aluminum Molecular Rings for Optical Limiting and Nonlinear Optics. <i>Angewandte Chemie</i> , 0, , .	2.0	2