Shuyun Zhou

List of Publications by Year
in descending order

60	1,877	257450 24	276875 41
papers	citations	h-index	g-index

62	62	62	2555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrathin Nanosheet-Supported Ag@Ag₂O Coreâ€“Shell Nanoparticles with Vastly Enhanced Photothermal Conversion Efficiency for NIR-II-Triggered Photothermal Therapy. ACS Biomaterials Science and Engineering, 2022, 8, 540-550.	5.2	27
2	Revealing Mn doping effect in transition metal phosphides to trigger active centers for highly efficient chemodynamic and NIR-II photothermal therapy. Chemical Engineering Journal, 2022, 435, 134780.	12.7	7
3	A tripartite-enzyme via curcumin regarded as zymoexciter towards highly efficient relieving reperfusion injury. Chemical Engineering Journal, 2022, 442, 136029.	12.7	11
4	Size-Dependent Nonlinear Optical Properties of Gd2O2S:Tb3+ Scintillators and Their Doped Gel Glasses. Molecules, 2022, 27, 85.	3.8	4
5	Function toggle of tumor microenvironment responsive nanoagent for highly efficient free radical stress enhanced chemodynamic therapy. Nano Research, 2022, 15, 8228-8236.	10.4	5
6	Nanoscale Gd₂O₂S:Tb Scintillators for High-Resolution Fluorescent Imaging of Cold Neutrons. ACS Applied Nano Materials, 2022, 5, 8440-8447.	5.0	10
7	Photogenerated-hole-induced rapid elimination of solid tumors by the supramolecular porphyrin photocatalyst. National Science Review, 2021, 8, nwaa155.	9.5	31
8	Covalently Silane-Functionalized Antimonene Nanosheets and Their Copolymerized Gel Glasses for Broadband Visâ€“NIR Optical Limiting. ACS Applied Materials & Interfaces, 2021, 13, 897-903.	8.0	15
9	Highly dispersed antimonene oxide quantum dots and their hybrid gel glasses for broadband nonlinear optical limiting. Journal of Materials Chemistry C, 2021, 9, 10084-10088.	5.5	5
10	Electron Donorâ€“Acceptor Effect-Induced Organic/Inorganic Nanohybrids with Low Energy Gap for Highly Efficient Photothermal Therapy. ACS Applied Materials & Interfaces, 2021, 13, 17920-17930.	8.0	10
11	Carbon-Defect-Driven Boron Carbide for Dual-Modal NIR-II/Photoacoustic Imaging and Photothermal Therapy. ACS Biomaterials Science and Engineering, 2021, 7, 3370-3378.	5.2	12
12	Selfâ€Cycling Free Radical Generator from LDHâ€Based Nanohybrids for Ferroptosisâ€Enhanced Chemodynamic Therapy. Advanced Healthcare Materials, 2021, 10, e2100539.	7.6	28
13	Ultralow Threshold Lasing from Carbon Dotâ€“Ormosil Gel Hybrid-Based Planar Microcavity. Nanomaterials, 2021, 11, 1762.	4.1	3
14	Fast-response oxygen sensitive transparent coating for inner pressure ratiometric optical mapping. Journal of Materials Chemistry C, 2021, 9, 3919-3927.	5.5	4
15	Antimony Sulfide Nanosheets with Size-Dependent Nonlinear Optical Properties for Q-Switched Pulse Applications. ACS Applied Nano Materials, 2021, 4, 13425-13431.	5.0	7
16	Hydrogen-Rich 2D Halide Perovskite Scintillators for Fast Neutron Radiography. Journal of the American Chemical Society, 2021, 143, 21302-21311.	13.7	27
17	Nanocarbon Framework-Supported Ultrafine Mo₂C@MoO_x Nanoclusters for Photothermal-Enhanced Tumor-Specific Tandem Catalysis Therapy. ACS Applied Materials & Interfaces, 2021, 13, 59649-59661.	8.0	20
18	Proteinâ€“Carbon Dot Nanohybrid-Based Early Bloodâ€“Brain Barrier Damage Theranostics. ACS Applied Materials & Interfaces, 2020, 12, 3445-3452.	8.0	21

#	Article	IF	Citations
19	Efficient Construction of Near-Infrared Absorption Donorâ€“Acceptor Copolymers with and without Pt(II)-Incorporation toward Broadband Nonlinear Optical Materials. ACS Applied Materials & Interfaces, 2020, 12, 2944-2951.	8.0	29
20	Defective Porous Carbon Polyhedra Decorated with Copper Nanoparticles for Enhanced NIRâ€Ðriven Photothermal Cancer Therapy. Small, 2020, 16, e1905184.	10.0	95
21	Highly efficient photothermal heating via distorted edge-defects in boron quantum dots. Journal of Materials Chemistry B, 2020, 8, 9881-9887.	5.8	17
22	Exploiting Co Defects in CoFe-Layered Double Hydroxide (CoFe-LDH) Derivatives for Highly Efficient Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2020, 12, 54916-54926.	8.0	43
23	Diketopyrrolopyrrole based donorâ€“acceptor Ï€-conjugated copolymers with near-infrared absorption for 532 and 1064 nm nonlinear optical materials. Journal of Materials Chemistry C, 2020, 8, 12993-13000.	5.5	23
24	Autoencoder based blind source separation for photoacoustic resolution enhancement. Scientific Reports, 2020, 10, 21414.	3.3	7
25	Study on the fluorescence properties of micron-submicron-nano BaFBr:Eu2+ phosphors. New Journal of Chemistry, 2020, 44, 13118-13124.	2.8	7
26	Designed synthesis of ZnO/PEDOT core/shell hybrid nanotube arrays with enhanced electrochromic properties. Surface and Interface Analysis, 2020, 52, 389-395.	1.8	6
27	Exploiting Single Atom Iron Centers in a Porphyrin-like MOF for Efficient Cancer Phototherapy. ACS Applied Materials & Interfaces, 2019, 11, 35228-35237.	8.0	105
28	Vacancy-enhanced generation of singlet oxygen for photodynamic therapy. Chemical Science, 2019, 10, 2336-2341.	7.4	47
29	Highly Efficient Vacancy-Driven Photothermal Therapy Mediated by Ultrathin MnO₂ Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 6267-6275.	8.0	108
30	Migratory Shift in Oxidative Cyclodehydrogenation Reaction of Tetraphenylethylenes Containing Electronâ€Rich THDTAP Moiety. Chemistry - an Asian Journal, 2019, 14, 1860-1869.	3.3	7
31	Strong optical limiting properties of Ormosil gel glasses doped with silver nano-particles. New Journal of Chemistry, 2019, 43, 6274-6278.	2.8	9
32	Hollow carbon nanospheres derived from biomass by-product okara for imaging-guided photothermal therapy of cancers. Journal of Materials Chemistry B, 2019, 7, 1920-1925.	5.8	24
33	Nonlinear Optical Properties of Fewâ€Layer Rhenium Disulfide Nanosheets and Their Passively Qâ€switched Laser Application. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800837.	1.8	15
34	Confinement of carbon dots localizing to the ultrathin layered double hydroxides toward simultaneous triple-mode bioimaging and photothermal therapy. Talanta, 2018, 184, 50-57.	5.5	34
35	Highly Efficient Carbon Dots with Reversibly Switchable Greenâ€“Red Emissions for Trichromatic White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 16005-16014.	8.0	147
36	Broadband optical limiting and nonlinear optical graphene oxide co-polymerization Ormosil glasses. Advanced Composites and Hybrid Materials, 2018, 1, 397-403.	21.1	8

#	Article	IF	Citations
37	In situ hydrosilane reduction and preparation of gold nanoparticleâ€“gel glass composites with nonlinear optical properties. Journal of Materials Chemistry C, 2018, 6, 5624-5629.	5.5	9
38	Excitationâ€Dependent Theranostic Nanosheet for Cancer Treatment. Advanced Healthcare Materials, 2018, 7, e1701123.	7.6	11
39	Controllable Photoluminescent and Nonlinear Optical Properties of Polymerizable Carbon Dots and Their Arbitrary Copolymerized Gel Glasses. Advanced Optical Materials, 2018, 6, 1701273.	7.3	29
40	Multimodal bioimaging based on gold nanorod and carbon dot nanohybrids as a novel tool for atherosclerosis detection. Nano Research, 2018, 11, 1262-1273.	10.4	44
41	Remarkable nonlinear optical response of pyrazine-fused trichalcogenasumanenes and their application for optical power limiting. Journal of Materials Chemistry C, 2018, 6, 13114-13119.	5.5	42
42	Gold Rod-Polyethylene Glycol-Carbon Dot Nanohybrids as Phototheranostic Probes. Nanomaterials, 2018, 8, 706.	4.1	9
43	Broadband optical limiting of a novel twisted tetrathiafulvalene incorporated donorâ€“acceptor material and its Ormosil gel glasses. Journal of Materials Chemistry C, 2018, 6, 8495-8501.	5.5	22
44	Highly efficient carbon dots and their nanohybrids for trichromatic white LEDs. Journal of Materials Chemistry C, 2018, 6, 5957-5963.	5.5	34
45	Precisely Controlled Up/Downâ€Conversion Liquid and Solid State Photoluminescence of Carbon Dots. Advanced Optical Materials, 2018, 6, 1800115.	7.3	79
46	High efficiency red emission carbon dots based on phenylene diisocyanate for trichromatic white and red LEDs. Journal of Materials Chemistry C, 2018, 6, 9631-9635.	5.5	50
47	Functionalization of hexagonal boron nitride nanosheets and their copolymerized solid glasses. 2D Materials, 2018, 5, 035036.	4.4	19
48	High color rendering index trichromatic white and red LEDs prepared from silane-functionalized carbon dots. Journal of Materials Chemistry C, 2017, 5, 9629-9637.	5.5	62
49	An NIR-sensitive layered supramolecular nanovehicle for combined dual-modal imaging and synergistic therapy. Nanoscale, 2017, 9, 10367-10374.	5.6	45
50	Polysiloxane Functionalized Carbon Dots and Their Cross-Linked Flexible Silicone Rubbers for Color Conversion and Encapsulation of White LEDs. ACS Applied Materials & Interfaces, 2016, 8, 9961-9968.	8.0	88
51	Single-Layered and Single-Crystalline Graphene Quantum Dots from 2D Polycyclic Compounds. Particle and Particle Systems Characterization, 2016, 33, 811-817.	2.3	9
52	C₉₆H₃₀tailored single-layer and single-crystalline graphene quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 25002-25009.	2.8	17
53	In situ bifunctionalized carbon dots with boronic acid and amino groups for ultrasensitive dopamine detection. Analytical Methods, 2016, 8, 3236-3241.	2.7	43
54	A facile process to produce highly conductive poly(3,4-ethylenedioxythiophene) films for ITO-free flexible OLED devices. Journal of Materials Chemistry C, 2014, 2, 916-924.	5.5	29

#	Article	IF	Citations
55	Microwave absorbing properties of Fe₃O₄â€“poly(3, 4â€ethylenedioxythiophene) hybrids in lowâ€frequency band. Polymers for Advanced Technologies, 2014, 25, 83-88.	3.2	30
56	Tuning PANI nanostructure by driving force for diverse capacitance performance. RSC Advances, 2013, 3, 21315.	3.6	13
57	Controlled fabrication of highly conductive three-dimensional flowerlike poly (3,4-ethylenedioxythiophene) nanostructures. Journal of Materials Chemistry, 2011, 21, 7123.	6.7	31
58	Synthesis and microwave absorbing properties of poly(3,4â€ethylenedioxythiophene) (PEDOT) microspheres. Polymers for Advanced Technologies, 2011, 22, 532-537.	3.2	36
59	Fabrication of three-dimensional ZnO/TiO2 heteroarchitectures via a solution process. Journal of Materials Chemistry, 2008, 18, 3909.	6.7	145
60	Fabrication of Self-Assembled PEDOT/PSS-ZnO Nanocables with Diverse Inner Core Sizes Facilitated by Vacuum Conditions. Macromolecular Rapid Communications, 2006, 27, 356-360.	3.9	3