

Shengyan Yin

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,218
citations

159585

30
h-index

149698

56
g-index

67
all docs

67
docs citations

67
times ranked

5530
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient hydrogen generation of vector Z-scheme CaTiO ₃ /Cu/TiO ₂ photocatalyst assisted by cocatalyst Cu nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 373-384.	9.4	34
2	Fe Single-Atom Catalyst for Efficient and Rapid Fenton-Like Degradation of Organics and Disinfection against Bacteria. <i>Small</i> , 2022, 18, e2104941.	10.0	53
3	Three-phase interface photocatalysis for the enhanced degradation and antibacterial property. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 194-202.	9.4	14
4	Monitoring Clinical Pathological Grading of Hepatocellular Carcinoma Using MicroRNA-Guided Semiconducting Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7717-7730.	8.0	5
5	Phase transition and luminescent properties of the Eu ³⁺ ions-doped NaYF ₄ :Yb, Er nanoparticles. <i>Functional Materials Letters</i> , 2022, 15, .	1.2	3
6	Recent advances in the development and applications of conjugated polymer dots. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2995-3015.	5.8	15
7	Room-temperature synthesis of Ag ₃ PO ₄ nanoparticles with the assistance of trisodium citrate for photocatalytic dye degradation. <i>New Journal of Chemistry</i> , 2022, 46, 8874-8880.	2.8	4
8	Carbonized lotus leaf/ZnO/Au for enhanced synergistic mechanical and photocatalytic bactericidal activity under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112468.	5.0	8
9	Highly efficient photocatalytic nitrogen fixation on bio-inspired triphase interface with improved diffusion of nitrogen. <i>Journal of Cleaner Production</i> , 2022, 360, 132162.	9.3	11
10	Bi@H-TiO ₂ /B-C ₃ N ₄ heterostructure for enhanced photocatalytic hydrogen generation activity under visible light. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 509-518.	5.8	7
11	Facile synthesis of kermesinus BiOI with oxygen vacancy for efficient hydrogen generation. <i>Chemical Engineering Journal</i> , 2021, 420, 127607.	12.7	39
12	Measuring Cellular Uptake of Polymer Dots for Quantitative Imaging and Photodynamic Therapy. <i>Analytical Chemistry</i> , 2021, 93, 7071-7078.	6.5	11
13	Bioinspired Hydrophilic-Hydrophobic Janus Composites for Highly Efficient Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19467-19475.	8.0	53
14	In situ monitoring of circulating tumor cell adhered on three-dimensional graphene/ZnO macroporous structure by resistance change and electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2021, 393, 139093.	5.2	9
15	Transition metal oxide and chalcogenide-based nanomaterials for antibacterial activities: an overview. <i>Nanoscale</i> , 2021, 13, 6373-6388.	5.6	30
16	Soluble polyfluorene dots as photocatalyst for light-driven methylene blue degradation and hydrogen generation. <i>New Journal of Chemistry</i> , 2021, 45, 1423-1429.	2.8	5
17	Photoelectrochemical immunosensor for sensitive detection of alpha-fetoprotein based on a graphene honeycomb film. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 583-591.	9.4	34
18	Bioinspired photocatalytic ZnO/Au nanopillar-modified surface for enhanced antibacterial and antiadhesive property. <i>Chemical Engineering Journal</i> , 2020, 398, 125575.	12.7	53

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19	Arbitrary-shaped reduced graphene oxide aerogels via an unsaturated water vapor reduction. Carbon, 2020, 168, 169-179.	10.3	16
20	Bio-inspired hierarchical assembly of Au/ZnO decorated carbonized spinach leaves with enhanced photocatalysis performance. Journal of Alloys and Compounds, 2020, 829, 154393.	5.5	14
21	Synthesis and characterization of $\text{LiLuF}_4:\text{Er}^{3+}$ and $\text{LiLuF}_4:\text{Yb}^{3+},\text{Er}^{3+}$ exhibiting upconversion fluorescence pumped by a 1560 nm laser. New Journal of Chemistry, 2020, 44, 8554-8558.	2.8	4
22	Spiky nanohybrids of titanium dioxide/gold nanoparticles for enhanced photocatalytic degradation and anti-bacterial property. Journal of Colloid and Interface Science, 2019, 535, 516-523.	9.4	40
23	Ultrabright Polymer-Dot Transducer Enabled Wireless Glucose Monitoring <i>via</i> a Smartphone. ACS Nano, 2018, 12, 5176-5184.	14.6	97
24	ZnO nanodisks decorated with Au nanorods for enhanced photocurrent generation and photocatalytic activity. New Journal of Chemistry, 2018, 42, 3315-3321.	2.8	21
25	Spiky nanohybrids of TiO_2/Au nanorods for enhanced hydrogen evolution and photocurrent generation. Inorganic Chemistry Frontiers, 2018, 5, 626-634.	6.0	9
26	Fabrication of the graphene honeycomb structure as a scaffold for the study of cell growth. New Journal of Chemistry, 2018, 42, 6299-6304.	2.8	3
27	Hydrogen production from methanol aqueous solution by $\text{ZnO}/\text{Zn}(\text{OH})_2$ macrostructure photocatalysts. RSC Advances, 2018, 8, 11395-11402.	3.6	22
28	Fabrication and photoelectric properties of bio-inspired honeycomb film based on semiconducting polymer. Journal of Colloid and Interface Science, 2018, 512, 1-6.	9.4	11
29	Bioinspired self-standing macroporous Au/ZnO sponges for enhanced photocatalysis. Journal of Colloid and Interface Science, 2018, 514, 40-48.	9.4	27
30	Three-dimensional graphene oxide foams loaded with AuPd alloy: a sensitive electrochemical sensor for dopamine. Mikrochimica Acta, 2018, 185, 397.	5.0	23
31	Facile fabrication of $\text{TiO}_2/\text{Graphene}$ composite foams with enhanced photocatalytic properties. Journal of Alloys and Compounds, 2017, 703, 251-257.	5.5	28
32	Bright green-emitting hydrophilic conjugated polymer nanoparticles with different surface charges for cellular imaging. Journal of Materials Science, 2017, 52, 8465-8471.	3.7	4
33	A self-standing macroporous Au/ZnO/reduced graphene oxide foam for recyclable photocatalysis and photocurrent generation. Electrochimica Acta, 2017, 246, 35-42.	5.2	45
34	Enhanced Photocurrent Generation of Graphene/Au@ZnO Honeycomb Film. Chinese Journal of Chemistry, 2017, 35, 1627-1632.	4.9	3
35	Highly absorbing multispectral near-infrared polymer nanoparticles from one conjugated backbone for photoacoustic imaging and photothermal therapy. Biomaterials, 2017, 144, 42-52.	11.4	107
36	A Dendritic Supramolecular Complex as Uniform Hybrid Micelle with Dual Structure for Bimodal In Vivo Imaging. Chemistry - A European Journal, 2017, 23, 2802-2810.	3.3	24

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37	Bright Polymer Dots Tracking Stem Cell Engraftment and Migration to Injured Mouse Liver. <i>Theranostics</i> , 2017, 7, 1820-1834.	10.0	46
38	Incorporation of Porphyrin to β -Conjugated Backbone for Polymer-Dot-Sensitized Photodynamic Therapy. <i>Biomacromolecules</i> , 2016, 17, 2128-2136.	5.4	94
39	Temperature dependence of the photoluminescence from ZnO microrods prepared by a float zone method. <i>CrystEngComm</i> , 2016, 18, 3130-3135.	2.6	11
40	<i>In Vivo</i> Dynamic Monitoring of Small Molecules with Implantable Polymer-Dot Transducer. <i>ACS Nano</i> , 2016, 10, 6769-6781.	14.6	132
41	Photocatalysis of NaYF ₄ :Yb,Er/CdSe composites under 1560 nm laser excitation. <i>RSC Advances</i> , 2016, 6, 8127-8133.	3.6	19
42	Three-dimensional free-standing ZnO/graphene composite foam for photocurrent generation and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 367-374.	20.2	100
43	Self-assembly of 2D MnO ₂ nanosheets into high-purity aerogels with ultralow density. <i>Chemical Science</i> , 2016, 7, 1926-1932.	7.4	40
44	Bright red-emitting polymer dots for specific cellular imaging. <i>Journal of Materials Science</i> , 2015, 50, 5571-5577.	3.7	17
45	One-Step Synthesis of Single-Layer MnO ₂ Nanosheets with Multi-Role Sodium Dodecyl Sulfate for High-Performance Pseudocapacitors. <i>Small</i> , 2015, 11, 2182-2191.	10.0	212
46	Covalent Patterning and Rapid Visualization of Latent Fingerprints with Photo-Cross-Linkable Semiconductor Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14477-14484.	8.0	77
47	A self-standing nanocomposite foam of polyaniline@reduced graphene oxide for flexible super-capacitors. <i>Synthetic Metals</i> , 2015, 209, 68-73.	3.9	65
48	Silica-encapsulated semiconductor polymer dots as stable phosphors for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7281-7285.	5.5	13
49	Enhanced photocurrent generation of bio-inspired graphene/ZnO composite films. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12016-12022.	10.3	39
50	MnO ₂ Nanosheets: One-Step Synthesis of Single-Layer MnO ₂ Nanosheets with Multi-Role Sodium Dodecyl Sulfate for High-Performance Pseudocapacitors (<i>Small</i> 18/2015). <i>Small</i> , 2015, 11, 2220-2220.	10.0	5
51	Suspended Wavy Graphene Microribbons for Highly Stretchable Microsupercapacitors. <i>Advanced Materials</i> , 2015, 27, 5559-5566.	21.0	268
52	One-pot synthesis of ultrathin manganese dioxide nanosheets and their efficient oxidative degradation of Rhodamine B. <i>Applied Surface Science</i> , 2015, 357, 69-73.	6.1	41
53	Controlled synthesis and photocatalytic properties of Ag ₃ PO ₄ microcrystals. <i>Journal of Alloys and Compounds</i> , 2015, 619, 293-297.	5.5	40
54	Unravelling the Correlation between the Aspect Ratio of Nanotubular Structures and Their Electrochemical Performance To Achieve High-Rate and Long-Life Lithium-Ion Batteries (Angew.)	10.0	10

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55	Three-Dimensional Graphene Composite Macroscopic Structures for Capture of Cancer Cells. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300043.	3.7	82
56	Bioelectrocatalysis: Graphene Carrier for Magneto-Controllable Bioelectrocatalysis (<i>Small</i> 4/2014). <i>Small</i> , 2014, 10, 646-646.	10.0	0
57	Conjugated Polymer Dots for Ultra-Stable Full-Color Fluorescence Patterning. <i>Small</i> , 2014, 10, 4270-4275.	10.0	78
58	Size-Dependent Property and Cell Labeling of Semiconducting Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10802-10812.	8.0	74
59	Ambient Fabrication of Large-Area Graphene Films via a Synchronous Reduction and Assembly Strategy. <i>Advanced Materials</i> , 2013, 25, 2957-2962.	21.0	190
60	Porous Graphene: Functional Free-Standing Graphene Honeycomb Films (<i>Adv. Funct. Mater.</i> 23/2013). <i>Advanced Functional Materials</i> , 2013, 23, 2971-2971.	14.9	2
61	Functional Free-Standing Graphene Honeycomb Films. <i>Advanced Functional Materials</i> , 2013, 23, 2972-2978.	14.9	116
62	Assembly of Graphene Sheets into 3D Macroscopic Structures. <i>Small</i> , 2012, 8, 2458-2463.	10.0	158
63	Assembly of Graphene Sheets into Hierarchical Structures for High-Performance Energy Storage. <i>ACS Nano</i> , 2011, 5, 3831-3838.	14.6	382
64	Luminescence-enhanced conjugated polymer dots through thermal treatment for cell imaging. <i>Biomaterials Science</i> , 0, , .	5.4	1