Shengyan Yin

List of Publications by Year
in descending order

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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	Assembly of Graphene Sheets into Hierarchical Structures for High-Performance Energy Storage. ACS Nano, 2011, 5, 3831-3838.	14.6	382
2	Suspended Wavy Graphene Microribbons for Highly Stretchable Microsupercapacitors. Advanced Materials, 2015, 27, 5559-5566.	21.0	268
3	Oneâ€Step Synthesis of Singleâ€Layer MnO₂ Nanosheets with Multiâ€Role Sodium Dodecyl Sulfate for Highâ€Performance Pseudocapacitors. Small, 2015, 11, 2182-2191.	10.0	212
4	Ambient Fabrication of Largeâ€Area Graphene Films via a Synchronous Reduction and Assembly Strategy. Advanced Materials, 2013, 25, 2957-2962.	21.0	190
5	Assembly of Graphene Sheets into 3D Macroscopic Structures. Small, 2012, 8, 2458-2463.	10.0	158
6	In Vivo Dynamic Monitoring of Small Molecules with Implantable Polymer-Dot Transducer. ACS Nano, 2016, 10, 6769-6781.	14.6	132
7	Functional Freeâ€Standing Graphene Honeycomb Films. Advanced Functional Materials, 2013, 23, 2972-2978.	14.9	116
8	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
9	Three-dimensional free-standing ZnO/graphene composite foam for photocurrent generation and photocatalytic activity. Applied Catalysis B: Environmental, 2016, 187, 367-374.	20.2	100
10	Ultrabright Polymer-Dot Transducer Enabled Wireless Glucose Monitoring via a Smartphone. ACS Nano, 2018, 12, 5176-5184.	14.6	97
11	Incorporation of Porphyrin to Ï€-Conjugated Backbone for Polymer-Dot-Sensitized Photodynamic Therapy. Biomacromolecules, 2016, 17, 2128-2136.	5.4	94
12	Threeâ€Dimensional Graphene Composite Macroscopic Structures for Capture of Cancer Cells. Advanced Materials Interfaces, 2014, 1, 1300043.	3.7	82
13	Conjugated Polymer Dots for Ultraâ€Stable Fullâ€Color Fluorescence Patterning. Small, 2014, 10, 4270-4275.	10.0	78
14	Covalent Patterning and Rapid Visualization of Latent Fingerprints with Photo-Cross-Linkable Semiconductor Polymer Dots. ACS Applied Materials & Interfaces, 2015, 7, 14477-14484.	8.0	77
15	Size-Dependent Property and Cell Labeling of Semiconducting Polymer Dots. ACS Applied Materials & Interfaces, 2014, 6, 10802-10812.	8.0	74
16	A self-standing nanocomposite foam of polyaniline@reduced graphene oxide for flexible super-capacitors. Synthetic Metals, 2015, 209, 68-73.	3.9	65
17	Bioinspired photocatalytic ZnO/Au nanopillar-modified surface for enhanced antibacterial and antiadhesive property. Chemical Engineering Journal, 2020, 398, 125575.	12.7	53
18	Bioinspired Hydrophilicâ€“Hydrophobic Janus Composites for Highly Efficient Solar Steam Generation. ACS Applied Materials & Interfaces, 2021, 13, 19467-19475.	8.0	53

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19	Fe Singleâ€Atom Catalyst for Efficient and Rapid Fentonâ€Like Degradation of Organics and Disinfection against Bacteria. Small, 2022, 18, e2104941.	10.0	53
20	Bright Polymer Dots Tracking Stem Cell Engraftment and Migration to Injured Mouse Liver. Theranostics, 2017, 7, 1820-1834.	10.0	46
21	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
22	One-pot synthesis of ultrathin manganese dioxide nanosheets and their efficient oxidative degradation of Rhodamine B. Applied Surface Science, 2015, 357, 69-73.	6.1	41
23	Controlled synthesis and photocatalytic properties of Ag3PO4 microcrystals. Journal of Alloys and Compounds, 2015, 619, 293-297.	5.5	40
24	Self-assembly of 2D MnO₂nanosheets into high-purity aerogels with ultralow density. Chemical Science, 2016, 7, 1926-1932.	7.4	40
25	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
26	Enhanced photocurrent generation of bio-inspired graphene/ZnO composite films. Journal of Materials Chemistry A, 2015, 3, 12016-12022.	10.3	39
27	Facile synthesis of kermesinus BiOI with oxygen vacancy for efficient hydrogen generation. Chemical Engineering Journal, 2021, 420, 127607.	12.7	39
28	Photoelectrochemical immunosensor for sensitive detection of alpha-fetoprotein based on a graphene honeycomb film. Journal of Colloid and Interface Science, 2020, 580, 583-591.	9.4	34
29	Efficient hydrogen generation of vector Z-scheme CaTiO3/Cu/TiO2 photocatalyst assisted by cocatalyst Cu nanoparticles. Journal of Colloid and Interface Science, 2022, 605, 373-384.	9.4	34
30	Transition metal oxide and chalcogenide-based nanomaterials for antibacterial activities: an overview. Nanoscale, 2021, 13, 6373-6388.	5.6	30
31	Facile fabrication of TiO2/Graphene composite foams with enhanced photocatalytic properties. Journal of Alloys and Compounds, 2017, 703, 251-257.	5.5	28
32	Bioinspired self-standing macroporous Au/ZnO sponges for enhanced photocatalysis. Journal of Colloid and Interface Science, 2018, 514, 40-48.	9.4	27
33	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
34	Three-dimensional graphene oxide foams loaded with AuPd alloy: a sensitive electrochemical sensor for dopamine. Mikrochimica Acta, 2018, 185, 397.	5.0	23
35	Hydrogen production from methanol aqueous solution by ZnO/Zn(OH)₂ macrostructure photocatalysts. RSC Advances, 2018, 8, 11395-11402.	3.6	22
36	ZnO nanodisks decorated with Au nanorods for enhanced photocurrent generation and photocatalytic activity. New Journal of Chemistry, 2018, 42, 3315-3321.	2.8	21

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37	Photocatalysis of NaYF₄:Yb,Er/CdSe composites under 1560 nm laser excitation. RSC Advances, 2016, 6, 8127-8133.	3.6	19
38	Bright red-emitting polymer dots for specific cellular imaging. Journal of Materials Science, 2015, 50, 5571-5577.	3.7	17
39	Arbitrary-shaped reduced graphene oxide aerogels via an unsaturated water vapor reduction. Carbon, 2020, 168, 169-179.	10.3	16
40	Recent advances in the development and applications of conjugated polymer dots. Journal of Materials Chemistry B, 2022, 10, 2995-3015.	5.8	15
41	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
42	Three-phase interface photocatalysis for the enhanced degradation and antibacterial property. Journal of Colloid and Interface Science, 2022, 612, 194-202.	9.4	14
43	Silica-encapsulated semiconductor polymer dots as stable phosphors for white light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 7281-7285.	5.5	13
44	Temperature dependence of the photoluminescence from ZnO microrods prepared by a float zone method. CrystEngComm, 2016, 18, 3130-3135.	2.6	11
45	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
46	Measuring Cellular Uptake of Polymer Dots for Quantitative Imaging and Photodynamic Therapy. Analytical Chemistry, 2021, 93, 7071-7078.	6.5	11
47	Highly efficient photocatalytic nitrogen fixation on bio-inspired triphase interface with improved diffusion of nitrogen. Journal of Cleaner Production, 2022, 360, 132162.	9.3	11
48	Spiky nanohybrids of TiO₂/Au nanorods for enhanced hydrogen evolution and photocurrent generation. Inorganic Chemistry Frontiers, 2018, 5, 626-634.	6.0	9
49	In situ monitoring of circulating tumor cell adhered on three-dimensional graphene/ZnO macroporous structure by resistance change and electrochemical impedance spectroscopy. Electrochimica Acta, 2021, 393, 139093.	5.2	9
50	Carbonized lotus leaf/ZnO/Au for enhanced synergistic mechanical and photocatalytic bactericidal activity under visible light irradiation. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112468.	5.0	8
51	Bi@H-TiO2/B-C3N4 heterostructure for enhanced photocatalytic hydrogen generation activity under visible light. Journal of Industrial and Engineering Chemistry, 2022, 111, 509-518.	5.8	7
52	MnO₂ Nanosheets: Oneâ€Step Synthesis of Singleâ€Layer MnO₂ Nanosheets with Multiâ€Role Sodium Dodecyl Sulfate for Highâ€Performance Pseudocapacitors (Small 18/2015). Small, 2015, 11, 2220-2220.	10.0	5
53	Soluble polyfluorene dots as photocatalyst for light-driven methylene blue degradation and hydrogen generation. New Journal of Chemistry, 2021, 45, 1423-1429.	2.8	5
54	Monitoring Clinicalâ€“Pathological Grading of Hepatocellular Carcinoma Using MicroRNA-Guided Semiconducting Polymer Dots. ACS Applied Materials & Interfaces, 2022, 14, 7717-7730.	8.0	5

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55	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
56	Synthesis and characterization of LiLuF₄:Er³⁺ and LiLuF₄:Yb³⁺,Er³⁺ exhibiting upconversion fluorescence pumped by a 1560 nm laser. New Journal of Chemistry, 2020, 44, 8554-8558.	2.8	4
57	Room-temperature synthesis of Ag₃PO₄ nanoparticles with the assistance of trisodium citrate for photocatalytic dye degradation. New Journal of Chemistry, 2022, 46, 8874-8880.	2.8	4
58	Enhanced Photocurrent Generation of Graphene/Au@<scp>ZnO</scp> Honeycomb Film. Chinese Journal of Chemistry, 2017, 35, 1627-1632.	4.9	3
59	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
60	Phase transition and luminescent properties of the Eu3+ ions-doped NaYF₄:Yb, Er nanoparticles. Functional Materials Letters, 2022, 15, .	1.2	3
61	Porous Graphene: Functional Freeâ€Standing Graphene Honeycomb Films (Adv. Funct. Mater. 23/2013). Advanced Functional Materials, 2013, 23, 2971-2971.	14.9	2
62	Luminescence-enhanced conjugated polymer dots through thermal treatment for cell imaging. Biomaterials Science, 0, , .	5.4	1
63	RÃ¼cktitelbild: 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.) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	0
64	Bioelectrocatalysis: Graphene Carrier for Magneto-Controllable Bioelectrocatalysis (Small 4/2014). Small, 2014, 10, 646-646.	10.0	0