

Jianshen Shen

List of Publications by Year in descending order

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56
papers

5,508
citations

185998

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149479

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docs citations

56
times ranked

9207
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Bismuth-doped Lead Halide Perovskite Core-shell Nanocrystals by Surface Segregation Effect. <i>Small</i> , 2022, 18, e2104399.	5.2	12
2	In Situ Loading of Cu ₂ O Active Sites on Island-like Copper for Efficient Electrochemical Reduction of Nitrate to Ammonia. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6680-6688.	4.0	62
3	Polyacrylic acid-polystyrene-passivated CsPbBr ₃ perovskite quantum dots with high photoluminescence quantum yield for light-emitting diodes. <i>Chemical Communications</i> , 2022, 58, 4235-4238.	2.2	10
4	Electrophoretic-driven In Situ Polymerization Depositing High-quality Perovskite Films for Photodetectors. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	4
5	Solid State Melting Confinement Reaction Synthesis of CsPbBr ₃ Quantum Dots Embedded in Mesoporous SiO ₂ Microspheres for Light-emitting Diodes. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	9
6	Identifying Activity Trends for the Electrochemical Production of H ₂ O ₂ on Mn-N-C Single-Atom Catalysts Using Theoretical Kinetic Computations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10388-10398.	1.5	12
7	Highly stable halide perovskites for photocatalysis <i>via</i> multi-dimensional structure design and <i>in situ</i> phase transition. <i>Dalton Transactions</i> , 2022, 51, 11316-11324.	1.6	4
8	A polymer-coated template-confinement CsPbBr ₃ perovskite quantum dot composite. <i>Nanoscale</i> , 2021, 13, 6586-6591.	2.8	34
9	Synthesis of Gram-scale Ultrastable Mn-doped 2D Perovskites for Light-emitting Diodes. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002175.	1.9	10
10	CsPbBr ₃ quantum dots photodetectors boosting carrier transport via molecular engineering strategy. <i>Nano Research</i> , 2021, 14, 4038-4045.	5.8	20
11	Tailoring charge transfer in perovskite quantum dots/black phosphorus nanosheets photocatalyst via aromatic molecules. <i>Applied Surface Science</i> , 2021, 545, 149012.	3.1	22
12	Efficient electrocatalytic formic acid oxidation over PdAu-manganese oxide/carbon. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 244-250.	5.0	15
13	Stretch induced photoluminescence enhanced perovskite quantum dot polymer composites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1413-1420.	2.7	23
14	Effective Singlet Oxygen Generation in Silica-coated CsPbBr ₃ Quantum Dots through Energy Transfer for Photocatalysis. <i>ChemSusChem</i> , 2020, 13, 682-687.	3.6	24
15	The Proportion of Fe _X , N Doping Species and Fe ₃ C to Oxygen Catalytic Activity in Core-shell Fe _N /C Electrocatalyst. <i>Chemistry - an Asian Journal</i> , 2020, 15, 310-318.	1.7	4
16	The Effect of the Coordination Environment of Atomically Dispersed Fe and N Co-doped Carbon Nanosheets on CO ₂ Electroreduction. <i>ChemElectroChem</i> , 2020, 7, 4767-4772.	1.7	17
17	Synthesis of monodisperse water-stable surface Pb-rich CsPbCl ₃ nanocrystals for efficient photocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2020, 12, 11842-11846.	2.8	29
18	Carbon-loaded ultrafine fully crystalline phase palladium-based nanoalloy PdCoNi/C: facile synthesis and high activity for formic acid oxidation. <i>Nanoscale</i> , 2019, 11, 17334-17339.	2.8	7

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19	Synthesis of CsPbBr ₃ perovskite nanocrystals with the sole ligand of protonated (3-aminopropyl)triethoxysilane. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7201-7206.	2.7	27
20	Layered Confinement Reaction: Atomic-Level Dispersed Iron-Nitrogen Co-Doped Ultrathin Carbon Nanosheets for CO ₂ Electroreduction. <i>ChemSusChem</i> , 2019, 12, 2644-2650.	3.6	23
21	Halide Ion Intercalated Electrodeposition Synthesis of Co ₃ O ₄ Nanosheets with Tunable Pores on Graphene Foams as Free-Standing and Flexible Li-Ion Battery Anodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 1239-1251.	2.5	31
22	Preparation of CsPbBr ₃ @PS composite microspheres with high stability by electrospraying. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7971-7975.	2.7	45
23	Porous CoS nanosheets coated by N and S doped carbon shell on graphene foams for free-standing and flexible lithium ion battery anodes: Influence of void spaces, shell and porous nanosheet. <i>Electrochimica Acta</i> , 2018, 271, 242-251.	2.6	48
24	Spray-Assisted Coil-Globule Transition for Scalable Preparation of Water-Resistant CsPbBr ₃ @PMMA Perovskite Nanospheres with Application in Live Cell Imaging. <i>Small</i> , 2018, 14, e1803156.	5.2	85
25	Flexible Free-Standing Hierarchical Carbon-Coated CoP ₂ Nanosheets for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 7253-7262.	2.5	9
26	Preparation of Co-N carbon nanosheet oxygen electrode catalyst by controlled crystallization of cobalt salt precursors for all-solid-state Al-air battery. <i>RSC Advances</i> , 2018, 8, 22193-22198.	1.7	11
27	Highly stable CsPbBr ₃ @SiO ₂ nanocomposites prepared via confined condensation for use as a luminescent ink. <i>Chemical Communications</i> , 2018, 54, 8064-8067.	2.2	53
28	Multimetallic Ni-Mo/Cu nanowires as nonprecious and efficient full water splitting catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4207-4214.	5.2	83
29	Nitrogen-doped Fe ₃ C@C particles as an efficient heterogeneous photo-assisted Fenton catalyst. <i>RSC Advances</i> , 2017, 7, 15168-15175.	1.7	26
30	Plasmonic Au Decorated Single-Crystal-like TiO ₂ -NaYF ₄ Mesoporous Microspheres for Enhanced Broadband Photocatalysis. <i>Chinese Journal of Chemistry</i> , 2017, 35, 949-956.	2.6	5
31	Room-Temperature Synthesis of Mn-Doped Cesium Lead Halide Quantum Dots with High Mn Substitution Ratio. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4167-4171.	2.1	139
32	Kirigami-patterned highly stretchable conductors from flexible carbon nanotube-embedded polymer films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8714-8722.	2.7	63
33	2D nanosheets-based novel architectures: Synthesis, assembly and applications. <i>Nano Today</i> , 2016, 11, 483-520.	6.2	95
34	CsPbBr ₃ Perovskite Quantum Dots-Based Monolithic Electrospun Fiber Membrane as an Ultrastable and Ultrasensitive Fluorescent Sensor in Aqueous Medium. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4253-4258.	2.1	137
35	CoO nanosheets derived from electrodeposited cobalt metal towards high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 222, 1300-1307.	2.6	25
36	Face-to-Face Contact and Open-Void Coinvolved Si/C Nanohybrids Lithium-Ion Battery Anodes with Extremely Long Cycle Life. <i>Advanced Functional Materials</i> , 2015, 25, 5395-5401.	7.8	85

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37	Multifunctional gadolinium-labeled silica-coated Fe ₃ O ₄ and CuInS ₂ nanoparticles as a platform for in vivo tri-modality magnetic resonance and fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2873-2882.	2.9	32
38	Photoluminescent carbon-nitrogen quantum dots as efficient electrocatalysts for oxygen reduction. <i>Nanoscale</i> , 2015, 7, 2003-2008.	2.8	41
39	Enriched graphitic N-doped carbon-supported Fe ₃ O ₄ nanoparticles as efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7281-7287.	5.2	235
40	Multifunctional gadolinium-labeled silica-coated core/shell quantum dots for magnetic resonance and fluorescence imaging of cancer cells. <i>RSC Advances</i> , 2014, 4, 20641-20648.	1.7	27
41	Plasmon-enhanced efficient dye-sensitized solar cells using core-shell-structured $\text{F}^{2-}\text{NaYF}_4\text{:Yb,Er@SiO}_2\text{@Au}$ nanocomposites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16523-16530.	5.2	57
42	Highly efficient reusable catalyst based on silicon nanowire arrays decorated with copper nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9040.	5.2	170
43	Hierarchical interconnected macro-/mesoporous Co-containing N-doped carbon for efficient oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12074.	5.2	59
44	Multifunctional manganese-doped core-shell quantum dots for magnetic resonance and fluorescence imaging of cancer cells. <i>New Journal of Chemistry</i> , 2013, 37, 3076.	1.4	22
45	Multifunctional Fe ₃ O ₄ @Ag/SiO ₂ /Au Core-Shell Microspheres as a Novel SERS-Activity Label via Long-Range Plasmon Coupling. <i>Langmuir</i> , 2013, 29, 690-695.	1.6	92
46	A Highly Efficient Catalyst toward Oxygen Reduction Reaction in Neutral Media for Microbial Fuel Cells. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6076-6082.	1.8	93
47	One-pot hydrothermal synthesis of graphene quantum dots surface-passivated by polyethylene glycol and their photoelectric conversion under near-infrared light. <i>New Journal of Chemistry</i> , 2012, 36, 97-101.	1.4	460
48	Magnetic composite microspheres with exposed {001} faceted TiO ₂ shells: a highly active and selective visible-light photocatalyst. <i>Journal of Materials Chemistry</i> , 2012, 22, 13341.	6.7	46
49	Photonic crystal pH and metal cation sensors based on poly(vinyl alcohol) hydrogel. <i>New Journal of Chemistry</i> , 2012, 36, 1051.	1.4	37
50	Tailored anisotropic magnetic conductive film assembled from graphene-encapsulated multifunctional magnetic composite microspheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 545-550.	6.7	45
51	Graphene quantum dots: emergent nanolights for bioimaging, sensors, catalysis and photovoltaic devices. <i>Chemical Communications</i> , 2012, 48, 3686.	2.2	1,845
52	Tailored graphene-encapsulated mesoporous Co ₃ O ₄ composite microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 17278.	6.7	112
53	Facile synthesis of upconversion luminescent mesoporous Y ₂ O ₃ :Er microspheres and metal enhancement using gold nanoparticles. <i>RSC Advances</i> , 2012, 2, 10592.	1.7	23
54	Gold-coated silica-fiber hybrid materials for application in a novel hydrogen peroxide biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 34, 132-136.	5.3	47

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55	Facile preparation and upconversion luminescence of graphene quantum dots. <i>Chemical Communications</i> , 2011, 47, 2580-2582.	2.2	734
56	Gold/mesoporous silica-fiber core-shell hybrid nanostructure: a potential electron transfer mediator in a bio-electrochemical system. <i>New Journal of Chemistry</i> , 2010, 34, 2166.	1.4	23