

Jin Z Zhang

List of Publications by Year in descending order

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340
papers

32,755
citations

4831

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344
times ranked

39277
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Surface Oxygen Vacancies in Tungsten Oxides for Surface Plasmon Resonance-Enhanced Near-Infrared Photoreduction of Cr(VI). ACS ES&T Water, 2023, 3, 1536-1546.	2.3	3
2	ACS Physical Chemistry Au: One Year In. ACS Physical Chemistry Au, 2022, 2, 1-2.	1.9	0
3	Near-Infrared Light Absorbing Silver-Coated Hollow Gold Nanostars for Surface-Enhanced Raman Scattering Detection of Bovine Serum Albumin Using Capping Ligand Exchange. Journal of Physical Chemistry C, 2022, 126, 1026-1035.	1.5	9
4	Impact of Molecular Ligands in the Synthesis and Transformation between Metal Halide Perovskite Quantum Dots and Magic Sized Clusters. ACS Physical Chemistry Au, 2022, 2, 156-170.	1.9	18
5	Novel Pt-Ni Electrocatalyst for Coal Electrolysis for Hydrogen Production. Journal of the Electrochemical Society, 2022, 169, 044514.	1.3	2
6	Disruption of dual homeostasis by a metal-organic framework nanoreactor for ferroptosis-based immunotherapy of tumor. Biomaterials, 2022, 284, 121502.	5.7	29
7	An Open Letter to Aspiring Authors. ACS Physical Chemistry Au, 2022, 2, 68-69.	1.9	3
8	Activation of TRPV1 by capsaicin-loaded CaCO ₃ nanoparticle for tumor-specific therapy. Biomaterials, 2022, 284, 121520.	5.7	27
9	Novel Pd-Cr electrocatalyst with low Pd content for coal electrolysis for hydrogen production. Journal of Power Sources, 2021, 483, 229175.	4.0	12
10	Designed synthesis of chlorine and nitrogen co-doped Ti ₃ C ₂ MXene quantum dots and their outstanding hydroxyl radical scavenging properties. Journal of Materials Science and Technology, 2021, 78, 30-37.	5.6	43
11	Ultrastable Plasmonic Cu-Based Core-Shell Nanoparticles. Chemistry of Materials, 2021, 33, 695-705.	3.2	29
12	Tuning morphology-dependent localized surface plasmon resonance in quasi-metallic tungsten oxide nanostructures for enhanced photocatalysis. Journal of Materials Chemistry C, 2021, 9, 1614-1621.	2.7	23
13	Structural control and biomedical applications of plasmonic hollow gold nanospheres: A mini review. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1694.	3.3	8
14	Enhancing the Photoluminescence and Stability of Methylammonium Lead Halide Perovskite Nanocrystals with Phenylalanine. Journal of Physical Chemistry C, 2021, 125, 2793-2801.	1.5	11
15	Carbon Fibers Coated with Ternary Ni-Co-Se Alloy Particles as a Low-Cost Counter Electrode for Flexible Dye Sensitized Solar Cells. ACS Applied Energy Materials, 2021, 4, 870-878.	2.5	22
16	Design and preparation of three-dimensional hetero-electrocatalysts of NiCo-layered double hydroxide nanosheets incorporated with silver nanoclusters for enhanced oxygen evolution reactions. Nanoscale, 2021, 13, 11150-11160.	2.8	25
17	Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. Research, 2021, 2021, 6047971.	2.8	13
18	Real-Time Monitoring of Aqueous Organic Reduction Reactions Using Ex Situ Fiber Optic Raman Spectroscopy. ACS Sustainable Chemistry and Engineering, 2021, 9, 6068-6078.	3.2	2

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19	Three-dimensional core-shell CoFe Prussian blue analog at NiCoFe layered ternary hydroxide electrocatalyst for efficient oxygen evolution reaction. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	13
20	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	7.3	705
21	Scavenging activity and reaction mechanism of Ti ₃ C ₂ T _x MXene as a novel free radical scavenger. <i>Ceramics International</i> , 2021, 47, 16555-16561.	2.3	9
22	High Efficiency Luminescent Solar Concentrator based on Organo-Metal Halide Perovskite Quantum Dots with Plasmon Enhancement. <i>Advanced Optical Materials</i> , 2021, 9, 2100754.	3.6	16
23	Enhancing Defect Tolerance with Ligands at the Surface of Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6299-6304.	2.1	20
24	Indole Alkaloids from a Soil-Derived <i>Clonostachys rosea</i> . <i>Journal of Natural Products</i> , 2021, 84, 2468-2474.	1.5	15
25	Highly Emissive and Stable Cs ₂ AgInCl ₆ Double Perovskite Nanocrystals by Bi ³⁺ Doping and Potassium Bromide Surface Passivation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18372-18379.	1.5	15
26	Synthesis and Optical Properties of Mn ²⁺ -Doped Amino Lead Halide Molecular Clusters Assisted by Chloride Ion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7497-7503.	2.1	8
27	Charge State of Au ₂₅ (SC) ₁₈ Nanoclusters Induced by Interaction with a Metal Organic Framework Support and Its Effect on Catalytic Performance. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8003-8008.	2.1	7
28	Selective Thrombosis of Tumor for Enhanced Hypoxia-Activated Prodrug Therapy. <i>Advanced Materials</i> , 2021, 33, e2104504.	11.1	45
29	Diverse anti-inflammation and anti-cancer polyketides isolated from the endophytic fungi <i>Alternaria</i> sp. MG1. <i>FÄ-toterapÄ-Äç</i> , 2021, 153, 105000.	1.1	16
30	Ultrafast Study of Exciton Transfer in Sb(III)-Doped Two-Dimensional [NH ₃ (CH ₂) ₄ NH ₃] ₄ CdBr ₄ Perovskite. <i>ACS Nano</i> , 2021, 15, 15354-15361.	7.3	47
31	Interface engineering of heterojunction photocatalysts based on 1D nanomaterials. <i>Catalysis Science and Technology</i> , 2021, 11, 27-42.	2.1	86
32	Enhanced Photoluminescence of All-Inorganic Manganese Halide Perovskite-Analogue Nanocrystals by Lead Ion Incorporation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10204-10211.	2.1	16
33	Hollow Gold Nanosphere Templated Synthesis of PEGylated Hollow Gold Nanostars and Use for SERS Detection of Amyloid Beta in Solution. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12344-12352.	1.2	6
34	ACS Physical Chemistry Au: A Journal Celebrating Open Science across the Broad Horizons of Physical Chemistry. <i>ACS Physical Chemistry Au</i> , 2021, 1, 1-2.	1.9	0
35	Nitrogen-Doped Ti ₂ C MXene Quantum Dots as Antioxidants. <i>ACS Applied Nano Materials</i> , 2021, 4, 12308-12315.	2.4	24
36	Modulating optical properties and interfacial electron transfer of CsPbBr ₃ perovskite nanocrystals via indium ion and chlorine ion co-doping. <i>Journal of Chemical Physics</i> , 2021, 155, 234701.	1.2	3

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37	Breaking Forbidden Transitions for Emission of Self-Trapped Excitons in Two Dimensional (F ₂ CHCH ₂ NH ₃) ₂ CdBr ₄ Perovskite through Pb Alloying. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 199-205.	2.1	50
38	Low-Temperature Energy Transfer <i>via</i> Self-Trapped Excitons in Mn ²⁺ -Doped 2D Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10368-10374.	2.1	9
39	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39434-39443.	4.0	40
40	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR-II Window. <i>Small</i> , 2020, 16, e2002748.	5.2	56
41	Modulating Charge Carrier Dynamics and Transfer via Surface Modifications in Organometallic Halide Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7886-7892.	2.1	11
42	Recent advances in ultrathin two-dimensional materials and biomedical applications for reactive oxygen species generation and scavenging. <i>Nanoscale</i> , 2020, 12, 19516-19535.	2.8	65
43	Bandgap Engineering of Lead-Free Double Perovskite Cs ₂ AgInCl ₆ Nanocrystals via Cu ²⁺ -Doping. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8392-8398.	2.1	68
44	Defect-Related Broadband Emission in Two-Dimensional Lead Bromide Perovskite Microsheets. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8157-8163.	2.1	54
45	Varying the Concentration of Organic Acid and Amine Ligands Allows Tuning between Quantum Dots and Magic-Sized Clusters of CH ₃ NH ₃ PbBr ₃ Perovskite: Implications for Photonics and Energy Conversion. <i>ACS Applied Nano Materials</i> , 2020, 3, 12379-12387.	2.4	20
46	Hollow Au Nanosphere-Cu ₂ O Core-Shell Nanostructures with Controllable Core Surface Morphology. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11333-11339.	1.5	21
47	Light-Induced Caspase-3-Responsive Chimeric Peptide for Effective PDT/Chemo Combination Therapy with Good Compatibility. <i>ACS Applied Bio Materials</i> , 2020, 3, 2392-2400.	2.3	0
48	Core/shell cable-like Ni ₃ S ₂ nanowires/N-doped graphene-like carbon layers as composite electrocatalyst for overall electrocatalytic water splitting. <i>Chemical Engineering Journal</i> , 2020, 401, 126045.	6.6	134
49	Enhancing Charge Carrier Delocalization in Perovskite Quantum Dot Solids with Energetically Aligned Conjugated Capping Ligands. <i>ACS Energy Letters</i> , 2020, 5, 817-825.	8.8	58
50	Room temperature synthesis of cesium lead bromide perovskite magic sized clusters with controlled ratio of carboxylic acid and benzylamine capping ligands. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110341.	3.0	23
51	Dependence of stability and electronic and optical properties of perovskite quantum dots on capping ligand chain length. <i>Journal of Chemical Physics</i> , 2020, 152, 034701.	1.2	13
52	Enhanced Photogenerated Electron Transfer in a Semiartificial Photosynthesis System Based on Highly Dispersed Titanium Oxide Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1822-1827.	2.1	24
53	First Synthesis of Mn-Doped Cesium Lead Bromide Perovskite Magic Sized Clusters at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1162-1169.	2.1	41
54	Nitrogen-Doped Porous Carbon Cages for Electrocatalytic Reduction of Oxygen: Enhanced Performance with Iron and Cobalt Dual Metal Centers. <i>ChemCatChem</i> , 2020, 12, 3230-3239.	1.8	18

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55	Intracellular Ca ²⁺ Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. <i>IScience</i> , 2020, 23, 101049.	1.9	30
56	Cellulose as Sacrificial Biomass for Photocatalytic Hydrogen Evolution over One-dimensional CdS Loaded with NiS ₂ as a Cocatalyst. <i>ChemistrySelect</i> , 2020, 5, 1470-1477.	0.7	17
57	The effect of polymer and gold functionalization on the magnetic properties of magnetite nanoparticles. <i>Biomedical Spectroscopy and Imaging</i> , 2019, 7, 115-124.	1.2	2
58	A "Cocktail" Approach to Effective Surface Passivation of Multiple Surface Defects of Metal Halide Perovskites Using a Combination of Ligands. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5055-5063.	2.1	26
59	Au Hollow Nanorods-Chimeric Peptide Nanocarrier for NIR-II Photothermal Therapy and Real-time Apoptosis Imaging for Tumor Theranostics. <i>Theranostics</i> , 2019, 9, 4971-4981.	4.6	44
60	Carbon Fiber Supported Pt-Co Electrocatalyst for Coal Electrolysis for Hydrogen Production. <i>Journal of the Electrochemical Society</i> , 2019, 166, E395-E400.	1.3	13
61	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5837-5848.	1.1	2
62	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5973-5984.	1.2	1
63	Tuning from Quantum Dots to Magic Sized Clusters of CsPbBr ₃ Using Novel Planar Ligands Based on the Trivalent Nitrate Coordination Complex. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4409-4416.	2.1	23
64	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17063-17074.	1.5	1
65	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4051-4062.	2.1	2
66	Ligand Dependent Growth and Optical Properties of Hybrid Organo-metal Halide Perovskite Magic Sized Clusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18746-18752.	1.5	28
67	Size and temperature dependence of photoluminescence of hybrid perovskite nanocrystals. <i>Journal of Chemical Physics</i> , 2019, 151, 154705.	1.2	24
68	Linear Dichroism and Nondestructive Crystalline Identification of Anisotropic Semimetal Few-layer MoTe ₂ . <i>Small</i> , 2019, 15, e1903159.	5.2	24
69	B-Site doped lead halide perovskites: synthesis, band engineering, photophysics, and light emission applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2781-2808.	2.7	124
70	Synergistic Surface Passivation of CH ₃ NH ₃ PbBr ₃ Perovskite Quantum Dots with Phosphonic Acid and (3-aminopropyl)triethoxysilane. <i>Chemistry - A European Journal</i> , 2019, 25, 5014-5021.	1.7	43
71	Size Dependence of Charge Carrier Dynamics in Organometal Halide Perovskite Nanocrystals: Deciphering Radiative Versus Nonradiative Components. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4610-4619.	1.5	29
72	Optimizing oxygen functional groups in graphene quantum dots for improved antioxidant mechanism. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1336-1343.	1.3	70

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73	Reasonably retard O ₂ consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. <i>Biomaterials</i> , 2019, 218, 119312.	5.7	24
74	Enhanced visible-light-driven photocatalytic hydrogen generation using NiCo ₂ S ₄ /CdS nanocomposites. <i>Chemical Engineering Journal</i> , 2019, 378, 122089.	6.6	59
75	Incorporating iron in nickel cobalt layered double hydroxide nanosheet arrays as efficient oxygen evolution electrocatalyst. <i>Electrochimica Acta</i> , 2019, 317, 684-693.	2.6	36
76	Yolk-shell nanostructures as an emerging photocatalyst paradigm for solar hydrogen generation. <i>Nano Energy</i> , 2019, 62, 289-298.	8.2	83
77	Efficient Trap-Mediated Mn ²⁺ Dopant Emission in Two Dimensional Single-Layered Perovskite (CH ₃ CH ₂ NH ₃) ₂ PbBr ₄ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 14239-14245.	1.5	62
78	Ultrasonication-assisted synthesis of CsPbBr ₃ and Cs ₄ PbBr ₆ perovskite nanocrystals and their reversible transformation. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 666-676.	1.5	35
79	Fe ₃ O ₄ @Astragalus Polysaccharide Core-Shell Nanoparticles for Iron Deficiency Anemia Therapy and Magnetic Resonance Imaging in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10452-10461.	4.0	35
80	NIR Light-Degradable Antimony Nanoparticle-Based Drug-Delivery Nanosystem for Synergistic Chemo-Photothermal Therapy in Vitro. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48290-48299.	4.0	39
81	Bumpy Hollow Gold Nanospheres for Theranostic Applications: Effect of Surface Morphology on Photothermal Conversion Efficiency. <i>ACS Applied Nano Materials</i> , 2019, 2, 1072-1081.	2.4	34
82	Polar-Solvent-Free Synthesis of Highly Photoluminescent and Stable CsPbBr ₃ Nanocrystals with Controlled Shape and Size by Ultrasonication. <i>Chemistry of Materials</i> , 2019, 31, 365-375.	3.2	67
83	Enhanced Photoelectrochemical and Photocatalytic Properties of CdS Nanowires Decorated with Ni ₃ S ₂ Nanoparticles under Visible Light Irradiation. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3146-H3153.	1.3	15
84	(Invited) A "Cocktail" Approach to Effective Passivation of Metal Halide Perovskite Magic Sized Clusters and Quantum Dots Using Novel Planar Molecular Ligands Based on Trivalent Metal Nitrate Coordination Complex. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
85	Enhanced Photoluminescence and Stability of CH ₃ NH ₃ PbBr ₃ Perovskite Nanocrystals with Protonated Melamine. <i>ChemNanoMat</i> , 2018, 4, 409-416.	1.5	6
86	Highly Stable Hybrid Perovskite Solar Cells Modified with Polyethylenimine via Ionic Bonding. <i>ChemNanoMat</i> , 2018, 4, 649-655.	1.5	25
87	Highly stable and efficient hybrid perovskite solar cells improved with conductive polyanilines. <i>Materials Research Bulletin</i> , 2018, 106, 35-39.	2.7	31
88	Tuning the emission spectrum of highly stable cesium lead halide perovskite nanocrystals through poly(lactic acid)-assisted anion-exchange reactions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5375-5383.	2.7	62
89	Steric shielding protected and acidity-activated pop-up of ligand for tumor enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2018, 279, 198-207.	4.8	12
90	Highly Tunable Hollow Gold Nanospheres: Gaining Size Control and Uniform Galvanic Exchange of Sacrificial Cobalt Boride Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12992-13001.	4.0	17

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91	Visible light driven hydrogen evolution by photocatalytic reforming of lignin and lactic acid using one-dimensional NiS/CdS nanostructures. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 229-239.	10.8	135
92	Improved Stability of Organometal Halide Perovskite Films and Solar Cells toward Humidity via Surface Passivation with Oleic Acid. <i>ACS Applied Energy Materials</i> , 2018, 1, 387-392.	2.5	66
93	Fe ₃ O ₄ @SiO ₂ Nanoparticles Functionalized with Gold and Poly(vinylpyrrolidone) for Bio-Separation and Sensing Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 1406-1412.	2.4	40
94	Complex Oxides Based on Silver, Bismuth, and Tungsten: Syntheses, Characterization, and Photoelectrochemical Behavior. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13473-13480.	1.5	11
95	Novel Pd-Co Electrocatalyst Supported on Carbon Fibers with Enhanced Electrocatalytic Activity for Coal Electrolysis To Produce Hydrogen. <i>ACS Applied Energy Materials</i> , 2018, 1, 267-272.	2.5	29
96	Enhanced photoelectrochemical and photocatalytic activities of CdS nanowires by surface modification with MoS ₂ nanosheets. <i>Science China Materials</i> , 2018, 61, 839-850.	3.5	44
97	Molecular Adsorption Mechanism of Elemental Carbon Particles on Leaf Surface. <i>Environmental Science & Technology</i> , 2018, 52, 5182-5190.	4.6	10
98	Enhanced and Facet-specific Electrocatalytic Properties of Ag/Bi ₂ Fe ₄ O ₉ Composite Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12698-12707.	4.0	14
99	High Br ⁺ Content CsPb(Cl _x Br _{3-x}) Perovskite Nanocrystals with Strong Mn ²⁺ Emission through Diverse Cation/Anion Exchange Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11739-11746.	4.0	92
100	Effect of temperature on light induced degradation in methylammonium lead iodide perovskite thin films and solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 566-571.	3.0	97
101	Two-Photon Photoluminescence and Photothermal Properties of Hollow Gold Nanospheres for Efficient Theranostic Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13304-13313.	1.5	14
102	Improving Charge Carrier Delocalization in Perovskite Quantum Dots by Surface Passivation with Conductive Aromatic Ligands. <i>ACS Energy Letters</i> , 2018, 3, 2931-2939.	8.8	116
103	Highly Photoluminescent and Stable N-Doped Carbon Dots as Nanoprobes for Hg ²⁺ Detection. <i>Nanomaterials</i> , 2018, 8, 900.	1.9	50
104	Enhancing Solar-Driven Water Splitting with Surface-Engineered Nanostructures. <i>Solar Rrl</i> , 2018, 3, 1800285.	3.1	5
105	Spin-optotronic Properties of Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6103-6111.	2.1	22
106	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36703-36710.	4.0	74
107	Hybrid organic-inorganic lead bromide perovskite supercrystals self-assembled with L-cysteine and their good luminescence properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10994-11001.	2.7	33
108	Detection of Saturated Fatty Acids Associated with a Self-Healing Synthetic Biological Membrane Using Fiber-Enhanced Surface Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8396-8403.	1.2	6

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109	Dependence of Interfacial Charge Transfer on Bifunctional Aromatic Molecular Linkers in CdSe Quantum Dot Sensitized TiO ₂ Photoelectrodes. ACS Applied Energy Materials, 2018, 1, 2907-2917.	2.5	14
110	Synthesis, properties, and optoelectronic applications of two-dimensional MoS ₂ and MoS ₂ -based heterostructures. Chemical Society Reviews, 2018, 47, 6101-6127.	18.7	293
111	Tumor-triggered transformation of chimeric peptide for dual-stage-amplified magnetic resonance imaging and precise photodynamic therapy. Biomaterials, 2018, 182, 269-278.	5.7	45
112	Controlled Synthesis of Fe ₃ O ₄ Nanospheres Coated with Nitrogen-Doped Carbon for High Performance Supercapacitors. ACS Applied Energy Materials, 2018, 1, 4599-4605.	2.5	21
113	Photophysical Properties and Improved Stability of Organic-Inorganic Perovskite by Surface Passivation. Journal of Physical Chemistry C, 2018, 122, 15799-15818.	1.5	70
114	(Invited) Enhanced Photoelectrochemical and Photocatalytic Activities of CdS Nanowires By Surface Modification with Transition Metal Chalcogenides. ECS Meeting Abstracts, 2018, , .	0.0	0
115	Peptide-Passivated Lead Halide Perovskite Nanocrystals Based on Synergistic Effect between Amino and Carboxylic Functional Groups. Advanced Functional Materials, 2017, 27, 1604018.	7.8	105
116	Lead Halide Perovskite Nanocrystals: Stability, Surface Passivation, and Structural Control. ChemNanoMat, 2017, 3, 456-465.	1.5	42
117	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced <i>in Vivo</i> Tumor Internalization and Photodynamic Therapy. ACS Nano, 2017, 11, 3178-3188.	7.3	109
118	Size-Tunable Synthesis of Hollow Gold Nanospheres through Control of Reaction Temperature. Particle and Particle Systems Characterization, 2017, 34, 1600255.	1.2	12
119	Stabilization of the Cubic Crystalline Phase in Organometal Halide Perovskite Quantum Dots via Surface Energy Manipulation. Journal of Physical Chemistry Letters, 2017, 8, 5378-5384.	2.1	27
120	What Does an Important New Physical Insight Mean? Answers for the Community of 2D Materials Experimental Researchers. Journal of Physical Chemistry C, 2017, 121, 14993-14993.	1.5	0
121	pH-Responsive Nanoscale Coordination Polymer for Efficient Drug Delivery and Real-Time Release Monitoring. Advanced Healthcare Materials, 2017, 6, 1700470.	3.9	36
122	Well-designed 3D ZnIn ₂ S ₄ nanosheets/TiO ₂ nanobelts as direct Z-scheme photocatalysts for CO ₂ photoreduction into renewable hydrocarbon fuel with high efficiency. Applied Catalysis B: Environmental, 2017, 219, 611-618.	10.8	375
123	A two layer electrode structure for improved Li Ion diffusion and volumetric capacity in Li Ion batteries. Nano Energy, 2017, 31, 377-385.	8.2	60
124	Organolead Halide Perovskite Nanocrystals: Branched Capping Ligands Control Crystal Size and Stability. Angewandte Chemie - International Edition, 2016, 55, 8864-8868.	7.2	282
125	Organolead Halide Perovskite Nanocrystals: Branched Capping Ligands Control Crystal Size and Stability. Angewandte Chemie, 2016, 128, 9010-9014.	1.6	51
126	Mechanisms for light induced degradation in MAPbI ₃ perovskite thin films and solar cells. Applied Physics Letters, 2016, 109, .	1.5	198

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127	Hematite heterostructures for photoelectrochemical water splitting: rational materials design and charge carrier dynamics. <i>Energy and Environmental Science</i> , 2016, 9, 2744-2775.	15.6	450
128	Efficient perovskite solar cells by metal ion doping. <i>Energy and Environmental Science</i> , 2016, 9, 2892-2901.	15.6	372
129	Enhancement of the photocatalytic activity of a TiO ₂ /carbon aerogel based on a hydrophilic secondary pore structure. <i>RSC Advances</i> , 2016, 6, 68416-68423.	1.7	23
130	Chemical Nature of Redox-Controlled Photoluminescence of Graphene Quantum Dots by Post-Synthesis Treatment. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26004-26011.	1.5	32
131	Towards understanding the unusual photoluminescence intensity variation of ultrasmall colloidal PbS quantum dots with the formation of a thin CdS shell. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31828-31835.	1.3	11
132	Understanding and Mitigating the Effects of Stable Dodecahydro-closo-dodecaborate Intermediates on Hydrogen-Storage Reactions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25725-25731.	1.5	27
133	Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Intra-Nuclear Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 4351-4361.	7.8	122
134	An electrochemical method to enhance the performance of metal oxides for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2849-2855.	5.2	114
135	Uniform carbon-coated CdS core-shell nanostructures: synthesis, ultrafast charge carrier dynamics, and photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1078-1086.	5.2	75
136	Unique optical properties and applications of hollow gold nanospheres (HGNs). <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 18-37.	9.5	42
137	Spectroelectrochemical Photoluminescence of Trap States in H-Treated Rutile TiO ₂ Nanowires: Implications for Photooxidation of Water. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3530-3541.	1.5	32
138	Controllable Cobalt Oxide/Au Hierarchically Nanostructured Electrode for Nonenzymatic Glucose Sensing. <i>Analytical Chemistry</i> , 2016, 88, 1617-1624.	3.2	116
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