

# Shuzhou Li

## List of Publications by Year in descending order

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210  
papers

16,639  
citations

12303

69  
h-index

17546

121  
g-index

216  
all docs

216  
docs citations

216  
times ranked

20937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2101474.	11.1	140
2	Molecule functionalization to facilitate electrocatalytic oxygen reduction on graphdiyne. <i>Journal of Energy Chemistry</i> , 2022, 65, 141-148.	7.1	11
3	Metal-Ion Oligomerization Inside Electrified Carbon Micropores and its Effect on Capacitive Charge Storage. <i>Advanced Materials</i> , 2022, 34, e2107439.	11.1	24
4	Mg-stabilized subnanometer Rh particles in zeolite Beta as highly efficient catalysts for selective hydrogenation. <i>Journal of Catalysis</i> , 2022, 405, 489-498.	3.1	8
5	Synergistic effect of Ru-N4 sites and Cu-N3 sites in carbon nitride for highly selective photocatalytic reduction of CO <sub>2</sub> to methane. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121154.	10.8	57
6	Thermoelectric properties of organic charge transfer salts from first-principles investigations: role of molecular packing and triiodide anions. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4288-4299.	5.2	1
7	Electronegativity-Induced Charge Balancing to Boost Stability and Activity of Amorphous Electrocatalysts. <i>Advanced Materials</i> , 2022, 34, e2100537.	11.1	39
8	Noble metal alloy thin films by atomic layer deposition and rapid Joule heating. <i>Scientific Reports</i> , 2022, 12, 2522.	1.6	12
9	Crossover between Bulk and Interface Photovoltaic Mechanisms in a Ferroelectric Vertical Heterostructure. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
10	Mechanical influence of graphene oxide in the interface between calcium silicate hydrate and quartz: A molecular dynamics study. <i>Construction and Building Materials</i> , 2022, 325, 126597.	3.2	5
11	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. <i>ACS Nano</i> , 2022, 16, 8213-8222.	7.3	109
12	1,3,5-Triphenylbenzene Based Porous Conjugated Polymers for Highly Efficient Photoreduction of Low-Concentration CO <sub>2</sub> in the Gas-Phase System. <i>Solar Rrl</i> , 2022, 6, .	3.1	8
13	Efficient CO <sub>2</sub> Electroreduction to Ethanol by Cu <sub>3</sub> Sn Catalyst. <i>Small Methods</i> , 2022, 6, e2101334.	4.6	39
14	Data-Driven Materials Innovation and Applications. <i>Advanced Materials</i> , 2022, 34, e2104113.	11.1	51
15	Holey Reduced Graphene Oxide Scaffolded Heterocyclic Aramid Fibers with Enhanced Mechanical Performance. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	14
16	Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 11444-11455.	6.6	63
17	Directing the Architecture of Surface-Clean Cu <sub>2</sub> O for CO Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 12410-12420.	6.6	24
18	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO <sub>2</sub> reduction. <i>Nano Energy</i> , 2021, 79, 105429.	8.2	117

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19	Product-Specific Active Site Motifs of Cu for Electrochemical CO <sub>2</sub> Reduction. <i>CheM</i> , 2021, 7, 406-420.	5.8	72
20	Understanding the Activity of Carbon-Based Single-Atom Electrocatalysts from <i>Ab Initio</i> Simulations. , 2021, 3, 110-120.		19
21	Addressing molecular optomechanical effects in nanocavity-enhanced Raman scattering beyond the single plasmonic mode. <i>Nanoscale</i> , 2021, 13, 1938-1954.	2.8	19
22	2,4,6-Triphenyl-1,3,5-Triazine Based Covalent Organic Frameworks for Photoelectrochemical H <sub>2</sub> Evolution. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002191.	1.9	40
23	3d Transition-Metal-Mediated Columbite Nanocatalysts for Decentralized Electrosynthesis of Hydrogen Peroxide. <i>Small</i> , 2021, 17, e2007249.	5.2	35
24	Fluorination-Guided Li-Anchoring Behaviors on Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8236-8243.	1.5	3
25	In Situ and Quantitative Vapor/Solid Anion Exchange for Composition Regulation and Optical Properties of Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2002186.	3.6	7
26	Enhanced Electrochemical Methanation of Carbon Dioxide at the Single-Layer Hexagonal Boron Nitride/Cu Interfacial Perimeter. <i>Nano Letters</i> , 2021, 21, 4469-4476.	4.5	16
27	Graphdiyne/Graphene Heterostructure: A Universal 2D Scaffold Anchoring Monodispersed Transition-Metal Phthalocyanines for Selective and Durable CO <sub>2</sub> Electroreduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8679-8688.	6.6	87
28	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. <i>Nature Sustainability</i> , 2021, 4, 868-876.	11.5	264
29	Accurate machine learning models based on small dataset of energetic materials through spatial matrix featurization methods. <i>Journal of Energy Chemistry</i> , 2021, 63, 364-375.	7.1	7
30	Surface Local Polarization Induced by Bismuth-Oxygen Vacancy Pairs Tuning Non-Covalent Interaction for CO <sub>2</sub> Photoreduction. <i>Advanced Energy Materials</i> , 2021, 11, 2102389.	10.2	109
31	Flow Direction-Dependent Elastic Instability in a Symmetry-Breaking Microchannel. <i>Micromachines</i> , 2021, 12, 1139.	1.4	1
32	Dynamic Restructuring of Cu-Doped SnS <sub>2</sub> Nanoflowers for Highly Selective Electrochemical CO <sub>2</sub> Reduction to Formate. <i>Angewandte Chemie</i> , 2021, 133, 26437-26441.	1.6	8
33	Dynamic Restructuring of Cu-Doped SnS <sub>2</sub> Nanoflowers for Highly Selective Electrochemical CO <sub>2</sub> Reduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26233-26237.	7.2	66
34	Lattice strain and atomic replacement of CoO <sub>6</sub> octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120477.	10.8	30
35	Boosting the water dissociation kinetics <i>via</i> charge redistribution of ruthenium decorated on S, N-codoped carbon. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16967-16973.	5.2	19
36	Atomic layer deposition of rhodium and palladium thin film using low-concentration ozone. <i>RSC Advances</i> , 2021, 11, 22773-22779.	1.7	12

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37	First-principles study of the anisotropic thermal expansion and thermal transport properties in h-BN. <i>Science China Materials</i> , 2021, 64, 953-963.	3.5	14
38	Atomic layer deposition of palladium thin film from palladium (II) hexafluoroacetylacetonate and ozone reactant. <i>Thin Solid Films</i> , 2021, 738, 138955.	0.8	7
39	Free-standing 2D non-van der Waals antiferromagnetic hexagonal FeSe semiconductor: halide-assisted chemical synthesis and Fe <sup>2+</sup> related magnetic transitions. <i>Chemical Science</i> , 2021, 13, 203-209.	3.7	14
40	Adsorption and Reaction Mechanisms of Direct Palladium Synthesis by ALD Using Pd(hfac) <sub>2</sub> and Ozone on Si (100) Surface. <i>Processes</i> , 2021, 9, 2246.	1.3	2
41	Deformable Thermo-Responsive Smart Windows Based on a Shape Memory Polymer for Adaptive Solar Modulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61196-61204.	4.0	16
42	Influence of functionalized core-shell structure on the thermodynamic and shape memory properties of nanocomposites. <i>Nanoscale</i> , 2020, 12, 3205-3219.	2.8	6
43	Chirality Evolution from Sub-1 Nanometer Nanowires to the Macroscopic Helical Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 1375-1381.	6.6	47
44	Octahedral Coordinated Trivalent Cobalt Enriched Multimetal Oxygen Evolution Catalysts. <i>Advanced Energy Materials</i> , 2020, 10, 2002593.	10.2	47
45	Strain-Engineering of Bi <sub>12</sub> O <sub>17</sub> Br <sub>2</sub> Nanotubes for Boosting Photocatalytic CO <sub>2</sub> Reduction. , 2020, 2, 1025-1032.		82
46	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21183-21189.	7.2	7
47	An in-situ spectroscopy investigation of alkali metal interaction mechanism with the imide functional group. <i>Nano Research</i> , 2020, 13, 3224-3229.	5.8	11
48	Boosting Electrocatalytic Ammonia Production through Mimicking Back-Donation. <i>CheM</i> , 2020, 6, 2690-2702.	5.8	88
49	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. <i>Angewandte Chemie</i> , 2020, 132, 21369-21375.	1.6	3
50	One-Dimensional Conjugated Coordination Polymer for Electrochromic Energy Storage Device with Exceptionally High Performance. <i>Advanced Science</i> , 2020, 7, 1903109.	5.6	72
51	Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. <i>Applied Surface Science</i> , 2020, 524, 146396.	3.1	13
52	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , 2020, 3, 554-563.	16.1	284
53	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	0
54	In situ growth of Au-Ag bimetallic nanorings on optical fibers for enhanced plasmonic sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7552-7560.	2.7	8

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55	Unconventional Oxygen Reduction Reaction Mechanism and Scaling Relation on Single-Atom Catalysts. <i>ACS Catalysis</i> , 2020, 10, 4313-4318.	5.5	119
56	3D Printed Smart Windows for Adaptive Solar Modulations. <i>Advanced Optical Materials</i> , 2020, 8, 2000013.	3.6	28
57	Hierarchically porous Cu/Zn bimetallic catalysts for highly selective CO <sub>2</sub> electroreduction to liquid C <sub>2</sub> products. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118800.	10.8	108
58	Improving the accuracy of converting dose to medium to dose to water algorithms in small megavoltage photon fields in dose to medium based treatment planning systems. <i>Physica Medica</i> , 2020, 71, 62-70.	0.4	2
59	Thermal Disrupting Interface Mitigates Intercellular Cohesion Loss for Accurate Topical Antibacterial Therapy. <i>Advanced Materials</i> , 2020, 32, e1907030.	11.1	75
60	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2020, 14, 1185-1195.	7.3	100
61	Broadband high-performance electromagnetic wave absorption of Co-doped NiZn ferrite/polyaniline on MXenes. <i>Ceramics International</i> , 2020, 46, 10006-10015.	2.3	64
62	Structures and Antifouling Properties of Self-Assembled Zwitterionic Peptide Monolayers: Effects of Peptide Charge Distributions and Divalent Cations. <i>Biomacromolecules</i> , 2020, 21, 2087-2095.	2.6	32
63	Multiscale Structure Construction by Layer-by-Layer Self-Assembly to Modify the Carbon Fiber Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10733-10743.	1.5	6
64	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO <sub>2</sub> -to-CO conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119156.	10.8	59
65	Strong dependence of the vertical charge carrier mobility on the $\pi$ - $\pi$ stacking distance in molecule/graphene heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13802-13807.	1.3	10
66	Broadband Extrinsic Self-Trapped Exciton Emission in Sn-Doped 2D Lead-Halide Perovskites. <i>Advanced Materials</i> , 2019, 31, e1806385.	11.1	198
67	Atomic Pd on Graphdiyne/Graphene Heterostructure as Efficient Catalyst for Aromatic Nitroreduction. <i>Advanced Functional Materials</i> , 2019, 29, 1905423.	7.8	112
68	Incorporation of clusters within inorganic materials through their addition during nucleation steps. <i>Nature Chemistry</i> , 2019, 11, 839-845.	6.6	104
69	Self curing and voltage activated catechol adhesives. <i>Chemical Communications</i> , 2019, 55, 10076-10079.	2.2	19
70	Crystal phase effect upon O <sub>2</sub> activation on gold surfaces through intrinsic strain. <i>Nanoscale</i> , 2019, 11, 14587-14591.	2.8	3
71	Optically Governed Dynamic Surface Charge Redistribution of Hybrid Plasmonic Pyroelectric Nanosystems. <i>Small</i> , 2019, 15, e1903042.	5.2	12
72	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30786-30792.	4.0	140

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73	Facile and versatile access to substituted hexabenzoovalene derivatives: characterization and optoelectronic properties. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7964-7972.	1.5	6
74	Isolated single atom cobalt in Bi <sub>3</sub> O <sub>4</sub> Br atomic layers to trigger efficient CO <sub>2</sub> photoreduction. <i>Nature Communications</i> , 2019, 10, 2840.	5.8	327
75	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. <i>ACS Nano</i> , 2019, 13, 7975-7984.	7.3	171
76	Tunable Subradiant Mode in Free-Standing Metallic Nanohole Arrays for High-Performance Plasmofluidic Sensing. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25394-25401.	1.5	12
77	Synergy of Dopants and Defects in Graphitic Carbon Nitride with Exceptionally Modulated Band Structures for Efficient Photocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2019, 31, e1903545.	11.1	604
78	Interfacial Lattice-Strain-Driven Generation of Oxygen Vacancies in an Aerobic-Annealed TiO <sub>2</sub> (B) Electrode. <i>Advanced Materials</i> , 2019, 31, e1906156.	11.1	53
79	Ru@LiO-66(Ce) catalyzed acceptorless dehydrogenation of primary amines to nitriles: the roles of Lewis acid-base pairs in the reaction. <i>Green Chemistry</i> , 2019, 21, 5386-5393.	4.6	37
80	Development of trans-1,4-polyisoprene (TPI) nanocomposite reinforced with nano-SiO <sub>2</sub> functionalized graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123790.	2.3	9
81	Development of functionalized core-shell nanohybrid/synthetic rubber nanocomposites with enhanced performance. <i>Soft Matter</i> , 2019, 15, 8338-8351.	1.2	6
82	Impact of Stoichiometry and Fluorine Atoms on the Charge Transport of Perylene-F <sub>4</sub> TCNQ. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3376-3380.	2.1	15
83	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 7240-7244.	6.6	198
84	An All-Inorganic Colloidal Nanocrystal Flexible Polarizer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8730-8735.	7.2	39
85	Vacancy-Driven Stabilization of the Cubic Perovskite Polymorph of CsPb <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2019, 123, 9735-9744.	1.5	47
86	Continuous rapid dechlorination of p-chlorophenol by Fe-Pd nanoparticles promoted by procyanidin. <i>Chemical Engineering Science</i> , 2019, 201, 121-131.	1.9	15
87	First-Principles Study on Structural, Electronic, and Optical Properties of Inorganic Ge-Based Halide Perovskites. <i>Inorganic Chemistry</i> , 2019, 58, 4134-4140.	1.9	68
88	Triphenylamine based conjugated microporous polymers for selective photoreduction of CO <sub>2</sub> to CO under visible light. <i>Green Chemistry</i> , 2019, 21, 6606-6610.	4.6	58
89	Electrode Materials: Interfacial Lattice-Strain-Driven Generation of Oxygen Vacancies in an Aerobic-Annealed TiO <sub>2</sub> (B) Electrode (Adv. Mater. 52/2019). <i>Advanced Materials</i> , 2019, 31, 1970367.	11.1	9
90	Electrical promotion of spatially photoinduced charge separation via interfacial-built-in quasi-alloying effect in hierarchical Zn <sub>2</sub> In <sub>2</sub> S <sub>5</sub> /Ti <sub>3</sub> C <sub>2</sub> (O, OH) <sub>x</sub> hybrids toward efficient photocatalytic hydrogen evolution and environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 290-301.	10.8	229

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91	Achieving highly efficient electrocatalytic oxygen evolution with ultrathin 2D Fe-doped nickel thiophosphate nanosheets. <i>Nano Energy</i> , 2018, 47, 257-265.	8.2	122
92	Oxocarbon-functionalized graphene as a lithium-ion battery cathode: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7447-7456.	1.3	15
93	Photogenerated charge transfer via interfacial internal electric field for significantly improved photocatalysis in direct Z-scheme oxygen-doped carbon nitrogen/CoAl-layered double hydroxide heterojunction. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 530-540.	10.8	219
94	Quantitative investigation on the critical thickness of the dielectric shell for metallic nanoparticles determined by the plasmon decay length. <i>Nanotechnology</i> , 2018, 29, 165501.	1.3	3
95	Quantitative Prediction of Position and Orientation for Platonic Nanoparticles at Liquid/Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 373-382.	2.1	15
96	Site-selective Catalysis of a Multifunctional Linear Molecule: The Steric Hindrance of Metal-Organic Framework Channels. <i>Advanced Materials</i> , 2018, 30, e1800643.	11.1	62
97	Realizing a Record Photothermal Conversion Efficiency of Spiky Gold Nanoparticles in the Second Near-Infrared Window by Structure-Based Rational Design. <i>Chemistry of Materials</i> , 2018, 30, 2709-2718.	3.2	85
98	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018, 10, 456-461.	6.6	220
99	Rattle-type Au@Cu <sub>2</sub> S hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. <i>Biomaterials</i> , 2018, 158, 23-33.	5.7	68
100	Direct Experimental Observation of Facet-Dependent SERS of Cu <sub>2</sub> O Polyhedra. <i>Small</i> , 2018, 14, 1703274.	5.2	108
101	Spatially Probed Plasmonic Photothermic Nanoheater Enhanced Hybrid Polymeric-Metallic PVDF-Ag Nanogenerator. <i>Small</i> , 2018, 14, 1702268.	5.2	23
102	Solution Adsorption Formation of a Conjugated Polymer/Graphene Composite for High-Performance Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, 1705377.	11.1	48
103	Ultrathin Graphene Nanoribbons toward Oxygen Reduction and Evolution Reactions. <i>Advanced Science</i> , 2018, 5, 1801375.	5.6	59
104	Donor-Acceptor Fluorophores for Energy-Transfer-Mediated Photocatalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 13719-13725.	6.6	174
105	Yin-Yang Harmony: Metal and Nonmetal Dual-Doping Boosts Electrocatalytic Activity for Alkaline Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 2750-2756.	8.8	154
106	Mosaic-Structured Cobalt Nickel Thiophosphate Nanosheets Incorporated N-doped Carbon for Efficient and Stable Electrocatalytic Water Splitting. <i>Advanced Functional Materials</i> , 2018, 28, 1805075.	7.8	57
107	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. <i>Nature Communications</i> , 2018, 9, 3799.	5.8	86
108	Mechano-regulated metal-organic framework nanofilm for ultrasensitive and anti-jamming strain sensing. <i>Nature Communications</i> , 2018, 9, 3813.	5.8	57

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109	Exploring Peltier effect in organic thermoelectric films. <i>Nature Communications</i> , 2018, 9, 3586.	5.8	65
110	An electron deficiency strategy for enhancing hydrogen evolution on CoP nano-electrocatalysts. <i>Nano Energy</i> , 2018, 50, 273-280.	8.2	89
111	Bismuth vacancy mediated single unit cell Bi <sub>2</sub> WO <sub>6</sub> nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 119-125.	10.8	173
112	Selective hydrogenation of phenol to cyclohexanone by SiO <sub>2</sub> -supported rhodium nanoparticles under mild conditions. <i>Journal of Catalysis</i> , 2018, 364, 354-365.	3.1	57
113	Target-Triggered Catalytic Hairpin Assembly-Induced Core-Satellite Nanostructures for High-Sensitive Off-to-On-SERS Detection of Intracellular MicroRNA. <i>Analytical Chemistry</i> , 2018, 90, 10591-10599.	3.2	85
114	Defect and pyridinic nitrogen engineering of carbon-based metal-free nanomaterial toward oxygen reduction. <i>Nano Energy</i> , 2018, 52, 307-314.	8.2	176
115	Creating two self-assembly micro-environments to achieve supercrystals with dual structures using polyhedral nanoparticles. <i>Nature Communications</i> , 2018, 9, 2769.	5.8	46
116	Performance-improved Li-O <sub>2</sub> batteries by tailoring the phases of Mo <sub>x</sub> C porous nanorods as an efficient cathode. <i>Nanoscale</i> , 2018, 10, 14877-14884.	2.8	28
117	Valence Electron Density-Dependent Pseudopermittivity for Nonlocal Effects in Optical Properties of Metallic Nanoparticles. <i>ACS Photonics</i> , 2018, 5, 2295-2304.	3.2	12
118	Morphological effects on the selectivity of intramolecular versus intermolecular catalytic reaction on Au nanoparticles. <i>Nanoscale</i> , 2017, 9, 7727-7733.	2.8	17
119	Gold mesoflowers with a high density of multilevel long sharp tips: synthesis and characterization. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4884-4891.	2.7	11
120	Highly efficient and durable MoNiNC catalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2017, 37, 1-6.	8.2	79
121	Synthesis, Full Characterization, and Field Effect Transistor Behavior of a Stable Pyrene-Fused N-Heteroacene with Twelve Linearly Annulated Six-Membered Rings. <i>Chemistry of Materials</i> , 2017, 29, 4172-4175.	3.2	131
122	Al <sub>2</sub> O <sub>3</sub> Surface Complexation for Photocatalytic Organic Transformations. <i>Journal of the American Chemical Society</i> , 2017, 139, 269-276.	6.6	64
123	Revealing Cation-Exchange-Induced Phase Transformations in Multielemental Chalcogenide Nanoparticles. <i>Chemistry of Materials</i> , 2017, 29, 9192-9199.	3.2	19
124	Monodisperse Dual Plasmonic Au@Cu <sub>x</sub> E (E= S, Se) Core@Shell Supraparticles: Aqueous Fabrication, Multimodal Imaging, and Tumor Therapy at <i>in Vivo</i> Level. <i>ACS Nano</i> , 2017, 11, 8273-8281.	7.3	139
125	Widening the Spectral Range of Ultrahigh Field Enhancement by Efficient Coupling of Localized to Extended Plasmons and Cavity Resonances in Grating Geometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27612-27623.	1.5	22
126	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9851-9855.	7.2	238



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127	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14144-14151.	5.2	107
128	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. <i>Angewandte Chemie</i> , 2017, 129, 9983-9987.	1.6	47
129	Quantitative prediction of the position and orientation for an octahedral nanoparticle at liquid/liquid interfaces. <i>Nanoscale</i> , 2017, 9, 11239-11248.	2.8	11
130	Poor Photovoltaic Performance of Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> : An Insight through First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17062-17067.	1.5	121
131	Dually Ordered Porous TiO <sub>2</sub> â€GO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017, 29, 1604795.	11.1	66
132	Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€Organic Frameworkâ€Based Electronic Devices. <i>Angewandte Chemie</i> , 2016, 128, 9030-9034.	1.6	19
133	Polymer Nanowires: Enhanced Photoresponse of Conductive Polymer Nanowires Embedded with Au Nanoparticles ( <i>Adv. Mater.</i> 15/2016). <i>Advanced Materials</i> , 2016, 28, 3031-3031.	11.1	1
134	Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€Organic Frameworkâ€Based Electronic Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8884-8888.	7.2	72
135	Synergistic Effects of Water and Oxygen Molecule Co-adsorption on (001) Surfaces of Tetragonal CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28448-28455.	1.5	47
136	Optimal Interparticle Gap for Ultrahigh Field Enhancement by LSP Excitation via ESPs and Confirmation Using SERS. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28735-28742.	1.5	28
137	Hyperlensing at NIR frequencies using a hemispherical metallic nanowire lens in a sea-urchin geometry. <i>Nanoscale</i> , 2016, 8, 10669-10676.	2.8	8
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