Shuzhou Li

List of Publications by Year
in descending order

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210 papers	16,639 citations	12330 69 h-index	17105 122 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 Lithiumâ€Ion Batteries. Advanced Materials, 2022, 34, e2101474.	21.0	140
2	Molecule functionalization to facilitate electrocatalytic oxygen reduction on graphdiyne. Journal of Energy Chemistry, 2022, 65, 141-148.	12.9	11
3	Metalâ€Ion Oligomerization Inside Electrified Carbon Micropores and its Effect on Capacitive Charge Storage. Advanced Materials, 2022, 34, e2107439.	21.0	24
4	Mg-stabilized subnanometer Rh particles in zeolite Beta as highly efficient catalysts for selective hydrogenation. Journal of Catalysis, 2022, 405, 489-498.	6.2	8
5	Synergistic effect of Ru-N4 sites and Cu-N3 sites in carbon nitride for highly selective photocatalytic reduction of CO2 to methane. Applied Catalysis B: Environmental, 2022, 307, 121154.	20.2	57
6	Thermoelectric properties of organic charge transfer salts from first-principles investigations: role of molecular packing and triiodide anions. Journal of Materials Chemistry A, 2022, 10, 4288-4299.	10.3	1
7	Electronegativityâ€Induced Charge Balancing to Boost Stability and Activity of Amorphous Electrocatalysts. Advanced Materials, 2022, 34, e2100537.	21.0	39
8	Noble metal alloy thin films by atomic layer deposition and rapid Joule heating. Scientific Reports, 2022, 12, 2522.	3.3	12
9	Crossover between Bulk and Interface Photovoltaic Mechanisms in a Ferroelectric Vertical Heterostructure. Physical Review Applied, 2022, 17, .	3.8	6
10	Mechanical influence of graphene oxide in the interface between calcium silicate hydrate and quartz: A molecular dynamics study. Construction and Building Materials, 2022, 325, 126597.	7.2	5
11	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. ACS Nano, 2022, 16, 8213-8222.	14.6	109
12	1,3,5â€Triphenylbenzene Based Porous Conjugated Polymers for Highly Efficient Photoreduction of Lowâ€Concentration CO₂ in the Gasâ€Phase System. Solar Rrl, 2022, 6, .	5.8	8
13	Efficient CO₂ Electroreduction to Ethanol by Cu₃Sn Catalyst. Small Methods, 2022, 6, e2101334.	8.6	39
14	Dataâ€Driven Materials Innovation and Applications. Advanced Materials, 2022, 34, e2104113.	21.0	51
15	Holey Reduced Graphene Oxide Scaffolded Heterocyclic Aramid Fibers with Enhanced Mechanical Performance. Advanced Functional Materials, 2022, 32, .	14.9	14
16	Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. Journal of the American Chemical Society, 2022, 144, 11444-11455.	13.7	63
17	Directing the Architecture of Surface-Clean Cu₂O for CO Electroreduction. Journal of the American Chemical Society, 2022, 144, 12410-12420.	13.7	24
18	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. Nano Energy, 2021, 79, 105429.	16.0	117

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19	Product-Specific Active Site Motifs of Cu for Electrochemical CO2 Reduction. CheM, 2021, 7, 406-420.	11.7	72
20	Understanding the Activity of Carbon-Based Single-Atom Electrocatalysts from Ab Initio Simulations. , 2021, 3, 110-120.		19
21	Addressing molecular optomechanical effects in nanocavity-enhanced Raman scattering beyond the single plasmonic mode. Nanoscale, 2021, 13, 1938-1954.	5.6	19
22	2,4,6â€Triphenylâ€1,3,5â€Triazine Based Covalent Organic Frameworks for Photoelectrochemical H₂ Evolution. Advanced Materials Interfaces, 2021, 8, 2002191.	3.7	40
23	3d Transitionâ€Metalâ€Mediated Columbite Nanocatalysts for Decentralized Electrosynthesis of Hydrogen Peroxide. Small, 2021, 17, e2007249.	10.0	35
24	Fluorination-Guided Li-Anchoring Behaviors on Phthalocyanines. Journal of Physical Chemistry C, 2021, 125, 8236-8243.	3.1	3
25	In Situ and Quantitative Vapor/Solid Anion Exchange for Composition Regulation and Optical Properties of Perovskites. Advanced Optical Materials, 2021, 9, 2002186.	7.3	7
26	Enhanced Electrochemical Methanation of Carbon Dioxide at the Single-Layer Hexagonal Boron Nitride/Cu Interfacial Perimeter. Nano Letters, 2021, 21, 4469-4476.	9.1	16
27	Graphdiyne/Graphene Heterostructure: A Universal 2D Scaffold Anchoring Monodispersed Transition-Metal Phthalocyanines for Selective and Durable CO₂ Electroreduction. Journal of the American Chemical Society, 2021, 143, 8679-8688.	13.7	87
28	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. Nature Sustainability, 2021, 4, 868-876.	23.7	264
29	Accurate machine learning models based on small dataset of energetic materials through spatial matrix featurization methods. Journal of Energy Chemistry, 2021, 63, 364-375.	12.9	7
30	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	19.5	109
31	Flow Direction-Dependent Elastic Instability in a Symmetry-Breaking Microchannel. Micromachines, 2021, 12, 1139.	2.9	1
32	Dynamic Restructuring of Cuâ€Doped SnS₂ Nanoflowers for Highly Selective Electrochemical CO₂ Reduction to Formate. Angewandte Chemie, 2021, 133, 26437-26441.	2.0	8
33	Dynamic Restructuring of Cuâ€Doped SnS₂ Nanoflowers for Highly Selective Electrochemical CO₂ Reduction to Formate. Angewandte Chemie - International Edition, 2021, 60, 26233-26237.	13.8	66
34	Lattice strain and atomic replacement of CoO6 octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. Applied Catalysis B: Environmental, 2021, 297, 120477.	20.2	30
35	Boosting the water dissociation kinetics via charge redistribution of ruthenium decorated on S, N-codoped carbon. Journal of Materials Chemistry A, 2021, 9, 16967-16973.	10.3	19
36	Atomic layer deposition of rhodium and palladium thin film using low-concentration ozone. RSC Advances, 2021, 11, 22773-22779.	3.6	12

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37	First-principles study of the anisotropic thermal expansion and thermal transport properties in h-BN. Science China Materials, 2021, 64, 953-963.	6.3	14
38	Atomic layer deposition of palladium thin film from palladium (II) hexafluoroacetylacetonate and ozone reactant. Thin Solid Films, 2021, 738, 138955.	1.8	7
39	Free-standing 2D non-van der Waals antiferromagnetic hexagonal FeSe semiconductor: halide-assisted chemical synthesis and Fe²⁺ related magnetic transitions. Chemical Science, 2021, 13, 203-209.	7.4	14
40	Adsorption and Reaction Mechanisms of Direct Palladium Synthesis by ALD Using Pd(hfac)2 and Ozone on Si (100) Surface. Processes, 2021, 9, 2246.	2.8	2
41	Deformable Thermo-Responsive Smart Windows Based on a Shape Memory Polymer for Adaptive Solar Modulations. ACS Applied Materials & Interfaces, 2021, 13, 61196-61204.	8.0	16
42	Influence of functionalized coreâ€“shell structure on the thermodynamic and shape memory properties of nanocomposites. Nanoscale, 2020, 12, 3205-3219.	5.6	6
43	Chirality Evolution from Sub-1 Nanometer Nanowires to the Macroscopic Helical Structure. Journal of the American Chemical Society, 2020, 142, 1375-1381.	13.7	47
44	Octahedral Coordinated Trivalent Cobalt Enriched Multimetal Oxygenâ€Evolution Catalysts. Advanced Energy Materials, 2020, 10, 2002593.	19.5	47
45	Strain-Engineering of Bi₁₂O₁₇Br₂ Nanotubes for Boosting Photocatalytic CO₂ Reduction. , 2020, 2, 1025-1032.		82
46	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. Angewandte Chemie - International Edition, 2020, 59, 21183-21189.	13.8	7
47	An in-situ spectroscopy investigation of alkali metal interaction mechanism with the imide functional group. Nano Research, 2020, 13, 3224-3229.	10.4	11
48	Boosting Electrocatalytic Ammonia Production through Mimicking â€œÏ€ Back-Donationâ€• CheM, 2020, 6, 2690-2702.	11.7	88
49	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. Angewandte Chemie, 2020, 132, 21369-21375.	2.0	3
50	Oneâ€Đimensional Ï€â€“d Conjugated Coordination Polymer for Electrochromic Energy Storage Device with Exceptionally High Performance. Advanced Science, 2020, 7, 1903109.	11.2	72
51	Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. Applied Surface Science, 2020, 524, 146396.	6.1	13
52	Covalency competition dominates the water oxidation structureâ€“activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563.	34.4	284
53	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overlock	7.3	0
54	In situ growth of Auâ€“Ag bimetallic nanorings on optical fibers for enhanced plasmonic sensing. Journal of Materials Chemistry C, 2020, 8, 7552-7560.	5.5	8

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55	Unconventional Oxygen Reduction Reaction Mechanism and Scaling Relation on Single-Atom Catalysts. ACS Catalysis, 2020, 10, 4313-4318.	11.2	119
56	3D Printed Smart Windows for Adaptive Solar Modulations. Advanced Optical Materials, 2020, 8, 2000013.	7.3	28
57	Hierarchically porous Cu/Zn bimetallic catalysts for highly selective CO2 electroreduction to liquid C2 products. Applied Catalysis B: Environmental, 2020, 269, 118800.	20.2	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. Physica Medica, 2020, 71, 62-70.	0.7	2
59	Thermalâ€Disrupting Interface Mitigates Intercellular Cohesion Loss for Accurate Topical Antibacterial Therapy. Advanced Materials, 2020, 32, e1907030.	21.0	75
60	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. ACS Nano, 2020, 14, 1185-1195.	14.6	100
61	Broadband high-performance electromagnetic wave absorption of Co-doped NiZn ferrite/polyaniline on MXenes. Ceramics International, 2020, 46, 10006-10015.	4.8	64
62	Structures and Antifouling Properties of Self-Assembled Zwitterionic Peptide Monolayers: Effects of Peptide Charge Distributions and Divalent Cations. Biomacromolecules, 2020, 21, 2087-2095.	5.4	32
63	Multiscale Structure Construction by Layer-by-Layer Self-Assembly to Modify the Carbon Fiber Surface. Journal of Physical Chemistry C, 2020, 124, 10733-10743.	3.1	6
64	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO2-to-CO conversion. Applied Catalysis B: Environmental, 2020, 276, 119156.	20.2	59
65	Strong dependence of the vertical charge carrier mobility on the Ï€â€“Ï€ stacking distance in molecule/graphene heterojunctions. Physical Chemistry Chemical Physics, 2020, 22, 13802-13807.	2.8	10
66	Broadband Extrinsic Selfâ€Trapped Exciton Emission in Snâ€Doped 2D Leadâ€Halide Perovskites. Advanced Materials, 2019, 31, e1806385.	21.0	198
67	Atomic Pd on Graphdiyne/Graphene Heterostructure as Efficient Catalyst for Aromatic Nitroreduction. Advanced Functional Materials, 2019, 29, 1905423.	14.9	112
68	Incorporation of clusters within inorganic materials through their addition during nucleation steps. Nature Chemistry, 2019, 11, 839-845.	13.6	104
69	Self curing and voltage activated catechol adhesives. Chemical Communications, 2019, 55, 10076-10079.	4.1	19
70	Crystal phase effect upon O₂ activation on gold surfaces through intrinsic strain. Nanoscale, 2019, 11, 14587-14591.	5.6	3
71	Optically Governed Dynamic Surface Charge Redistribution of Hybrid Plasmoâ€Pyroelectric Nanosystems. Small, 2019, 15, e1903042.	10.0	12
72	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30786-30792.	8.0	140

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73	Facile and versatile access to substituted hexabenzoovalene derivatives: characterization and optoelectronic properties. Organic and Biomolecular Chemistry, 2019, 17, 7964-7972.	2.8	6
74	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	12.8	327
75	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. ACS Nano, 2019, 13, 7975-7984.	14.6	171
76	Tunable Subradiant Mode in Free-Standing Metallic Nanohole Arrays for High-Performance Plasmofluidic Sensing. Journal of Physical Chemistry C, 2019, 123, 25394-25401.	3.1	12
77	Synergy of Dopants and Defects in Graphitic Carbon Nitride with Exceptionally Modulated Band Structures for Efficient Photocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1903545.	21.0	604
78	Interfacial Latticeâ€Strainâ€Driven Generation of Oxygen Vacancies in an Aerobicâ€Annealed TiO₂(B) Electrode. Advanced Materials, 2019, 31, e1906156.	21.0	53
79	Ru@UiO-66(Ce) catalyzed acceptorless dehydrogenation of primary amines to nitriles: the roles of Lewis acidâ€“base pairs in the reaction. Green Chemistry, 2019, 21, 5386-5393.	9.0	37
80	Development of trans-1,4-polyisoprene (TPI) nanocomposite reinforced with nano-SiO2 functionalized graphene oxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123790.	4.7	9
81	Development of functionalized coreâ€“shell nanohybrid/synthetic rubber nanocomposites with enhanced performance. Soft Matter, 2019, 15, 8338-8351.	2.7	6
82	Impact of Stoichiometry and Fluorine Atoms on the Charge Transport of Peryleneâ€“F₄TCNQ. Journal of Physical Chemistry Letters, 2019, 10, 3376-3380.	4.6	15
83	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2019, 141, 7240-7244.	13.7	198
84	An Allâ€Inorganic Colloidal Nanocrystal Flexible Polarizer. Angewandte Chemie - International Edition, 2019, 58, 8730-8735.	13.8	39
85	Vacancy-Driven Stabilization of the Cubic Perovskite Polymorph of CsPbI₃. Journal of Physical Chemistry C, 2019, 123, 9735-9744.	3.1	47
86	Continuous rapid dechlorination of p-chlorophenol by Fe-Pd nanoparticles promoted by procyanidin. Chemical Engineering Science, 2019, 201, 121-131.	3.8	15
87	First-Principles Study on Structural, Electronic, and Optical Properties of Inorganic Ge-Based Halide Perovskites. Inorganic Chemistry, 2019, 58, 4134-4140.	4.0	68
88	Triphenylamine based conjugated microporous polymers for selective photoreduction of CO₂ to CO under visible light. Green Chemistry, 2019, 21, 6606-6610.	9.0	58
89	Electrode Materials: Interfacial Latticeâ€Strainâ€Driven Generation of Oxygen Vacancies in an Aerobicâ€Annealed TiO₂(B) Electrode (Adv. Mater. 52/2019). Advanced Materials, 2019, 31, 1970367.	21.0	9
90	Electrical promotion of spatially photoinduced charge separation via interfacial-built-in quasi-alloying effect in hierarchical Zn2In2S5/Ti3C2(O, OH)x hybrids toward efficient photocatalytic hydrogen evolution and environmental remediation. Applied Catalysis B: Environmental, 2019, 245, 290-301.	20.2	229

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91	Achieving highly efficient electrocatalytic oxygen evolution with ultrathin 2D Fe-doped nickel thiophosphate nanosheets. Nano Energy, 2018, 47, 257-265.	16.0	122
92	Oxocarbon-functionalized graphene as a lithium-ion battery cathode: a first-principles investigation. Physical Chemistry Chemical Physics, 2018, 20, 7447-7456.	2.8	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. Applied Catalysis B: Environmental, 2018, 227, 530-540.	20.2	219
94	Quantitative investigation on the critical thickness of the dielectric shell for metallic nanoparticles determined by the plasmon decay length. Nanotechnology, 2018, 29, 165501.	2.6	3
95	Quantitative Prediction of Position and Orientation for Platonic Nanoparticles at Liquid/Liquid Interfaces. Journal of Physical Chemistry Letters, 2018, 9, 373-382.	4.6	15
96	Siteâ€Selective Catalysis of a Multifunctional Linear Molecule: The Steric Hindrance of Metalâ€“Organic Framework Channels. Advanced Materials, 2018, 30, e1800643.	21.0	62
97	Realizing a Record Photothermal Conversion Efficiency of Spiky Gold Nanoparticles in the Second Near-Infrared Window by Structure-Based Rational Design. Chemistry of Materials, 2018, 30, 2709-2718.	6.7	85
98	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. Nature Chemistry, 2018, 10, 456-461.	13.6	220
99	Rattle-type Au@Cu 2â€"x S hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. Biomaterials, 2018, 158, 23-33.	11.4	68
100	Direct Experimental Observation of Facetâ€Dependent SERS of Cu₂O Polyhedra. Small, 2018, 14, 1703274.	10.0	108
101	Spatially Probed Plasmonic Photothermic Nanoheater Enhanced Hybrid Polymericâ€“Metallic PVDFâ€Ag Nanogenerator. Small, 2018, 14, 1702268.	10.0	23
102	Solution Adsorption Formation of a Ïâ€Conjugated Polymer/Graphene Composite for Highâ€Performance Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, 1705377.	21.0	48
103	Ultranarrow Graphene Nanoribbons toward Oxygen Reduction and Evolution Reactions. Advanced Science, 2018, 5, 1801375.	11.2	59
104	Donorâ€“Acceptor Fluorophores for Energy-Transfer-Mediated Photocatalysis. Journal of the American Chemical Society, 2018, 140, 13719-13725.	13.7	174
105	Yin-Yang Harmony: Metal and Nonmetal Dual-Doping Boosts Electrocatalytic Activity for Alkaline Hydrogen Evolution. ACS Energy Letters, 2018, 3, 2750-2756.	17.4	154
106	Mosaicâ€Structured Cobalt Nickel Thiophosphate Nanosheets Incorporated Nâ€doped Carbon for Efficient and Stable Electrocatalytic Water Splitting. Advanced Functional Materials, 2018, 28, 1805075.	14.9	57
107	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. Nature Communications, 2018, 9, 3799.	12.8	86
108	Mechano-regulated metalâ€“organic framework nanofilm for ultrasensitive and anti-jamming strain sensing. Nature Communications, 2018, 9, 3813.	12.8	57

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109	Exploring Peltier effect in organic thermoelectric films. Nature Communications, 2018, 9, 3586.	12.8	65
110	An electron deficiency strategy for enhancing hydrogen evolution on CoP nano-electrocatalysts. Nano Energy, 2018, 50, 273-280.	16.0	89
111	Bismuth vacancy mediated single unit cell Bi2WO6 nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	20.2	173
112	Selective hydrogenation of phenol to cyclohexanone by SiO2-supported rhodium nanoparticles under mild conditions. Journal of Catalysis, 2018, 364, 354-365.	6.2	57
113	Target-Triggered Catalytic Hairpin Assembly-Induced Coreâ€“Satellite Nanostructures for High-Sensitive â€œOff-to-Onâ€•SERS Detection of Intracellular MicroRNA. Analytical Chemistry, 2018, 90, 10591-10599.	6.5	85
114	Defect and pyridinic nitrogen engineering of carbon-based metal-free nanomaterial toward oxygen reduction. Nano Energy, 2018, 52, 307-314.	16.0	176
115	Creating two self-assembly micro-environments to achieve supercrystals with dual structures using polyhedral nanoparticles. Nature Communications, 2018, 9, 2769.	12.8	46
116	Performance-improved Li-O₂ batteries by tailoring the phases of Mo_xC porous nanorods as an efficient cathode. Nanoscale, 2018, 10, 14877-14884.	5.6	28
117	Valence Electron Density-Dependent Pseudopermittivity for Nonlocal Effects in Optical Properties of Metallic Nanoparticles. ACS Photonics, 2018, 5, 2295-2304.	6.6	12
118	Morphological effects on the selectivity of intramolecular versus intermolecular catalytic reaction on Au nanoparticles. Nanoscale, 2017, 9, 7727-7733.	5.6	17
119	Gold mesoflowers with a high density of multilevel long sharp tips: synthesis and characterization. Journal of Materials Chemistry C, 2017, 5, 4884-4891.	5.5	11
120	Highly efficient and durable MoNiNC catalyst for hydrogen evolution reaction. Nano Energy, 2017, 37, 1-6.	16.0	79
121	Synthesis, Full Characterization, and Field Effect Transistor Behavior of a Stable Pyrene-Fused N-Heteroacene with Twelve Linearly Annulated Six-Membered Rings. Chemistry of Materials, 2017, 29, 4172-4175.	6.7	131
122	Al₂O₃ Surface Complexation for Photocatalytic Organic Transformations. Journal of the American Chemical Society, 2017, 139, 269-276.	13.7	64
123	Revealing Cation-Exchange-Induced Phase Transformations in Multielemental Chalcogenide Nanoparticles. Chemistry of Materials, 2017, 29, 9192-9199.	6.7	19
124	Monodisperse Dual Plasmonic Au@Cu_{2â€“x}E (E= S, Se) Core@Shell Supraparticles: Aqueous Fabrication, Multimodal Imaging, and Tumor Therapy at in Vivo Level. ACS Nano, 2017, 11, 8273-8281.	14.6	139
125	Widening the Spectral Range of Ultrahigh Field Enhancement by Efficient Coupling of Localized to Extended Plasmons and Cavity Resonances in Grating Geometry. Journal of Physical Chemistry C, 2017, 121, 27612-27623.	3.1	22
126	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. Angewandte Chemie - International Edition, 2017, 56, 9851-9855.	13.8	238

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127	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	10.3	107
128	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. Angewandte Chemie, 2017, 129, 9983-9987.	2.0	47
129	Quantitative prediction of the position and orientation for an octahedral nanoparticle at liquid/liquid interfaces. Nanoscale, 2017, 9, 11239-11248.	5.6	11
130	Poor Photovoltaic Performance of Cs₃Bi₂I₉: An Insight through First-Principles Calculations. Journal of Physical Chemistry C, 2017, 121, 17062-17067.	3.1	121
131	Dually Ordered Porous TiO₂â€rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. Advanced Materials, 2017, 29, 1604795.	21.0	66
132	Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€“Organic Frameworkâ€Based Electronic Devices. Angewandte Chemie, 2016, 128, 9030-9034.	2.0	19
133	Polymer Nanowires: Enhanced Photoresponse of Conductive Polymer Nanowires Embedded with Au Nanoparticles (Adv. Mater. 15/2016). Advanced Materials, 2016, 28, 3031-3031.	21.0	1
134	Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€“Organic Frameworkâ€Based Electronic Devices. Angewandte Chemie - International Edition, 2016, 55, 8884-8888.	13.8	72
135	Synergistic Effects of Water and Oxygen Molecule Co-adsorption on (001) Surfaces of Tetragonal CH₃NH₃PbI₃: A First-Principles Study. Journal of Physical Chemistry C, 2016, 120, 28448-28455.	3.1	47
136	Optimal Interparticle Gap for Ultrahigh Field Enhancement by LSP Excitation via ESPs and Confirmation Using SERS. Journal of Physical Chemistry C, 2016, 120, 28735-28742.	3.1	28
137	Hyperlensing at NIR frequencies using a hemispherical metallic nanowire lens in a sea-urchin geometry. Nanoscale, 2016, 8, 10669-10676.	5.6	8
138	Identifying Enclosed Chemical Reaction and Dynamics at the Molecular Level Using Shell-Isolated Miniaturized Plasmonic Liquid Marble. Journal of Physical Chemistry Letters, 2016, 7, 1501-1506.	4.6	30
139	Rb as an Alternative Cation for Templating Inorganic Lead-Free Perovskites for Solution Processed Photovoltaics. Chemistry of Materials, 2016, 28, 7496-7504.	6.7	249
140	Engineering the hot spots in squared arrays of gold nanoparticles on a silver film. Nanoscale, 2016, 8, 15658-15664.	5.6	17
141	Activation Effect of Electrochemical Cycling on Gold Nanoparticles towards the Hydrogen Evolution Reaction in Sulfuric Acid. Electrochimica Acta, 2016, 209, 440-447.	5.2	32
142	Empirical structural design of core@shell Au@Ag nanoparticles for SERS applications. Journal of Materials Chemistry C, 2016, 4, 6649-6656.	5.5	27
143	Enhanced Photoresponse of Conductive Polymer Nanowires Embedded with Au Nanoparticles. Advanced Materials, 2016, 28, 2978-2982.	21.0	45
144	Highly Sensitive Electroâ€Plasmonic Switches Based on Fivefold Stellate Polyhedral Gold Nanoparticles. Small, 2015, 11, 5395-5401.	10.0	14

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145	Engineering Interfacial Photoâ€Induced Charge Transfer Based on Nanobamboo Array Architecture for Efficient Solarâ€toâ€Chemical Energy Conversion. Advanced Materials, 2015, 27, 2207-2214.	21.0	172
146	Ultrahigh Enhancement of Electromagnetic Fields by Exciting Localized with Extended Surface Plasmons. Journal of Physical Chemistry C, 2015, 119, 19382-19389.	3.1	59
147	Tertiary amine mediated aerobic oxidation of sulfides into sulfoxides by visible-light photoredox catalysis on TiO₂. Chemical Science, 2015, 6, 5000-5005.	7.4	89
148	Nanoscale surface chemistry directs the tunable assembly of silver octahedra into three two-dimensional plasmonic superlattices. Nature Communications, 2015, 6, 6990.	12.8	137
149	Surface modification-induced phase transformation of hexagonal close-packed gold square sheets. Nature Communications, 2015, 6, 6571.	12.8	195
150	Size and site dependent biological hazard potential of particulate matters collected from different heights at the vicinity of a building construction. Toxicology Letters, 2015, 238, 20-29.	0.8	18
151	Lead-free germanium iodide perovskite materials for photovoltaic applications. Journal of Materials Chemistry A, 2015, 3, 23829-23832.	10.3	841
152	Engineering Structural Diversity in Gold Nanocrystals by Ligand-Mediated Interface Control. Chemistry of Materials, 2015, 27, 8032-8040.	6.7	17
153	Plasmon-Modulated Photoluminescence of Single Gold Nanobeams. ACS Photonics, 2015, 2, 1348-1354.	6.6	15
154	Gramâ€Positive Antimicrobial Activity of Amino Acidâ€Based Hydrogels. Advanced Materials, 2015, 27, 648-654.	21.0	188
155	Refractive index dependent real-time plasmonic nanoprobes on a single silver nanocube for ultrasensitive detection of the lung cancer-associated miRNAs. Chemical Communications, 2015, 51, 294-297.	4.1	35
156	Engineering plasmonic nanorod arrays for colon cancer marker detection. Biosensors and Bioelectronics, 2015, 63, 472-477.	10.1	29
157	Dependence of Plasmonic Properties on Electron Densities for Various Coupled Au Nanostructures. Journal of Physical Chemistry C, 2014, 118, 27531-27538.	3.1	21
158	Direct evidence of plasmon enhancement on photocatalytic hydrogen generation over Au/Pt-decorated TiO₂nanofibers. Nanoscale, 2014, 6, 5217-5222.	5.6	143
159	Surface Plasmon Resonance Enhanced Light Absorption and Photothermal Therapy in the Second Near-Infrared Window. Journal of the American Chemical Society, 2014, 136, 15684-15693.	13.7	575
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