Tao Li

List of Publications by Year
in descending order

174 papers	9,411 citations	36303 51 h-index	46799 89 g-index
179 all docs	179 docs citations	179 times ranked	11901 citing authors

#	Article	IF	Citations
1	Small Angle X-ray Scattering for Nanoparticle Research. Chemical Reviews, 2016, 116, 11128-11180.	47.7	667
2	Fluorinated Solid-Electrolyte Interphase in High-Voltage Lithium Metal Batteries. Joule, 2019, 3, 2647-2661.	24.0	432
3	Highly selective electrocatalytic CO2 reduction to ethanol by metallic clusters dynamically formed from atomically dispersed copper. Nature Energy, 2020, 5, 623-632.	39.5	393
4	Carbon dioxide selective mixed matrix composite membrane containing ZIF-7 nano-fillers. Journal of Membrane Science, 2013, 425-426, 235-242.	8.2	387
5	Effective separation of propylene/propane binary mixtures by ZIF-8 membranes. Journal of Membrane Science, 2012, 390-391, 93-98.	8.2	384
6	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. Nature Materials, 2020, 19, 195-202.	27.5	237
7	A Sustainable Solid Electrolyte Interphase for Highâ€Energyâ€Density Lithium Metal Batteries Under Practical Conditions. Angewandte Chemie - International Edition, 2020, 59, 3252-3257.	13.8	221
8	Solid Polymer Electrolytes with High Conductivity and Transference Number of Li Ions for Liâ€Based Rechargeable Batteries. Advanced Science, 2021, 8, 2003675.	11.2	172
9	Facile Oxidative Conversion of TiH₂ to High-Concentration Ti³⁺-Self-Doped Rutile TiO₂ with Visible-Light Photoactivity. Inorganic Chemistry, 2013, 52, 3884-3890.	4.0	171
10	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. ACS Catalysis, 2019, 9, 5929-5934.	11.2	149
11	Pore-Edge Tailoring of Single-Atom Ironâ€“Nitrogen Sites on Graphene for Enhanced CO₂ Reduction. ACS Catalysis, 2020, 10, 10803-10811.	11.2	140
12	Foamâ€“like Co9S8/Ni3S2 heterostructure nanowire arrays for efficient bifunctional overall waterâ€“splitting. Applied Catalysis B: Environmental, 2019, 253, 246-252.	20.2	138
13	Atomically Dispersed Ironâ€“Nitrogen Sites on Hierarchically Mesoporous Carbon Nanotube and Graphene Nanoribbon Networks for CO₂ Reduction. ACS Nano, 2020, 14, 5506-5516.	14.6	125
14	Photocatalytic pure water splitting with high efficiency and value by Pt/porous brookite TiO2 nanoflutes. Nano Energy, 2020, 67, 104287.	16.0	124
15	Visually resolving the direct Z-scheme heterojunction in CdS@ZnIn2S4 hollow cubes for photocatalytic evolution of H2 and H2O2 from pure water. Applied Catalysis B: Environmental, 2021, 293, 120213.	20.2	123
16	Cobalt single atoms supported on N-doped carbon as an active and resilient sulfur host for lithiumâ€“sulfur batteries. Energy Storage Materials, 2020, 28, 196-204.	18.0	117
17	Integrating photocatalysis and thermocatalysis to enable efficient CO2 reforming of methane on Pt supported CeO2 with Zn doping and atomic layer deposited MgO overcoating. Applied Catalysis B: Environmental, 2020, 260, 118189.	20.2	115
18	Identification of a Frankâ€“Kasper Z phase from shape amphiphile self-assembly. Nature Chemistry, 2019, 11, 899-905.	13.6	114

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19	2D Singleâ€Atom Catalyst with Optimized Iron Sites Produced by Thermal Melting of Metalâ€“Organic Frameworks for Oxygen Reduction Reaction. Small Methods, 2020, 4, 1900827.	8.6	113
20	Enhanced stability of cobalt catalysts by atomic layer deposition for aqueous-phase reactions. Energy and Environmental Science, 2014, 7, 1657.	30.8	109
21	Boosting CO2 reduction on Fe-N-C with sulfur incorporation: Synergistic electronic and structural engineering. Nano Energy, 2020, 68, 104384.	16.0	106
22	Stabilizing Single-Atom Iron Electrocatalysts for Oxygen Reduction via Ceria Confining and Trapping. ACS Catalysis, 2020, 10, 2452-2458.	11.2	103
23	Engineering Singleâ€Atom Cobalt Catalysts toward Improved Electrocatalysis. Small, 2018, 14, e1704319.	10.0	97
24	Conjugated Ladder Polymers by a Cyclopentannulation Polymerization. Journal of the American Chemical Society, 2017, 139, 5801-5807.	13.7	96
25	Polymeric micelles formed by polypeptide graft copolymer and its mixtures with polypeptide block copolymer. Polymer, 2006, 47, 4485-4489.	3.8	94
26	Expanding Interlayer Spacing of Hard Carbon by Natural K⁺ Doping to Boost Na-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 27030-27038.	8.0	93
27	A Directional Entropic Force Approach to Assemble Anisotropic Nanoparticles into Superlattices. Angewandte Chemie - International Edition, 2013, 52, 13980-13984.	13.8	90
28	Highly Dispersive Cerium Atoms on Carbon Nanowires as Oxygen Reduction Reaction Electrocatalysts for Znâ€“Air Batteries. Nano Letters, 2021, 21, 4508-4515.	9.1	89
29	Design Principles of Single Atoms on Carbons for Lithiumâ€“Sulfur Batteries. Small Methods, 2020, 4, 2000315.	8.6	84
30	Insight into the Capacity Fading Mechanism of Amorphous Se₂S₅ Confined in Micro/Mesoporous Carbon Matrix in Ether-Based Electrolytes. Nano Letters, 2016, 16, 2663-2673.	9.1	83
31	Exploring the Programmable Assembly of a Polyoxometalateâ€“Organic Hybrid via Metal Ion Coordination. Journal of the American Chemical Society, 2013, 135, 13425-13432.	13.7	78
32	Chemoselective derivatization of a bionanoparticle by click reaction and ATRP reaction. Chemical Communications, 2007, , 1453.	4.1	77
33	M13 bacteriophage-polymer nanoassemblies as drug delivery vehicles. Nano Research, 2011, 4, 483-493.	10.4	74
34	Boosting the activity of Fe-Nx moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. Science China Materials, 2020, 63, 965-971.	6.3	71
35	Hierarchical Self-Organization of AB_n Dendron-like Molecules into a Supramolecular Lattice Sequence. ACS Central Science, 2017, 3, 860-867.	11.3	69
36	Spontaneous Stepwise Selfâ€Assembly of a Polyoxometalateâ€“Organic Hybrid into Catalytically Active Oneâ€Dimensional Anisotropic Structures. Chemistry - A European Journal, 2014, 20, 9589-9595.	3.3	67

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37	In Situ Optical and Structural Studies on Photoluminesence Quenching in CdSe/CdS/Au Heterostructures. Journal of the American Chemical Society, 2014, 136, 2342-2350.	13.7	66
38	Chiral recognition and selection during the self-assembly process of protein-mimic macroanions. Nature Communications, 2015, 6, 6475.	12.8	66
39	Singleâ€Atomic Site Catalyst with Heme Enzymesâ€Like Active Sites for Electrochemical Sensing of Hydrogen Peroxide. Small, 2021, 17, e2100664.	10.0	66
40	Interfacial Assembly of Turnip Yellow Mosaic Virus Nanoparticles. Langmuir, 2009, 25, 5168-5176.	3.5	65
41	Tuning infrared plasmon resonances in doped metal-oxide nanocrystals through cation-exchange reactions. Nature Communications, 2019, 10, 1394.	12.8	64
42	Binder-Free Electrodes and Their Application for Li-Ion Batteries. Nanoscale Research Letters, 2020, 15, 112.	5.7	62
43	Pore Structure and Bifunctional Catalyst Activity of Overlayers Applied by Atomic Layer Deposition on Copper Nanoparticles. ACS Catalysis, 2014, 4, 1554-1557.	11.2	58
44	Anionâ€Regulated Selective Generation of Cobalt Sites in Carbon: Toward Superior Bifunctional Electrocatalysis. Advanced Materials, 2017, 29, 1703436.	21.0	58
45	Sequenceâ€Mandated, Distinct Assembly of Giant Molecules. Angewandte Chemie - International Edition, 2017, 56, 15014-15019.	13.8	57
46	Asymmetric Composition of Ionic Aggregates and the Origin of High Correlated Transference Number in Water-in-Salt Electrolytes. Journal of Physical Chemistry Letters, 2020, 11, 1276-1281.	4.6	57
47	Carbon nanotube-linked hollow carbon nanospheres doped with iron and nitrogen as single-atom catalysts for the oxygen reduction reaction in acidic solutions. Journal of Materials Chemistry A, 2019, 7, 14478-14482.	10.3	56
48	Enhanced Polymer Crystallinity in Mixed-Matrix Membranes Induced by Metalâ€“Organic Framework Nanosheets for Efficient CO₂ Capture. ACS Applied Materials & Interfaces, 2018, 10, 43095-43103.	8.0	55
49	{Mo₂₄Fe₁₂} Macrocycles: Anion Templation with Large Polyoxometalate Guests. Angewandte Chemie - International Edition, 2013, 52, 10500-10504.	13.8	54
50	Self-Recognition of Structurally Identical, Rod-Shaped Macroions with Different Central Metal Atoms during Their Assembly Process. Journal of the American Chemical Society, 2013, 135, 4529-4536.	13.7	54
51	Janus Electrocatalysts Containing MOF-Derived Carbon Networks and NiFe-LDH Nanoplates for Rechargeable Zincâ€“Air Batteries. ACS Applied Energy Materials, 2019, 2, 1784-1792.	5.1	54
52	Electrodeposited amorphous cobalt phosphosulfide on Ni foams for highly efficient overall water splitting. Journal of Power Sources, 2019, 431, 182-188.	7.8	54
53	Conductive Ti₃C₂ and MOF-derived CoS_x boosting the photocatalytic hydrogen production activity of TiO₂. CrystEngComm, 2019, 21, 2416-2421.	2.6	54
54	An Ionâ€Imprinting Derived Strategy to Synthesize Singleâ€Atom Iron Electrocatalysts for Oxygen Reduction. Small, 2021, 17, e2004454.	10.0	52

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55	Closed-Packed Colloidal Assemblies from Icosahedral Plant Virus and Polymer. Chemistry of Materials, 2009, 21, 1046-1050.	6.7	50
56	Polyurethane foams based on crude glycerol-derived biopolyols: One-pot preparation of biopolyols with branched fatty acid ester chains and its effects on foam formation and properties. Polymer, 2014, 55, 6529-6538.	3.8	50
57	X-ray and Neutron Scattering Study of the Formation of Coreâ€“Shell-Type Polyoxometalates. Journal of the American Chemical Society, 2016, 138, 2638-2643.	13.7	49
58	Atomically Isolated Iron Atom Anchored on Carbon Nanotubes for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 39820-39826.	8.0	49
59	Core/Shell Biocomposites from the Hierarchical Assembly of Bionanoparticles and Polymer. Small, 2008, 4, 1624-1629.	10.0	48
60	Enhanced Electron Extraction from Template-Free 3D Nanoparticulate Transparent Conducting Oxide (TCO) Electrodes for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2012, 4, 4419-4427.	8.0	46
61	Biomolecular Assembly of Thermoresponsive Superlattices of the Tobacco Mosaic Virus with Large Tunable Interparticle Distances. Angewandte Chemie - International Edition, 2013, 52, 6638-6642.	13.8	44
62	In situ diffraction of highly dispersed supported platinum nanoparticles. Catalysis Science and Technology, 2014, 4, 3053-3063.	4.1	42
63	A novel three-step approach to separate cathode components for lithium-ion battery recycling. Rare Metals, 2021, 40, 1431-1436.	7.1	42
64	Facile Co-Assembly Process to Generate Coreâ€“Shell Nanoparticles with Functional Protein Corona. Biomacromolecules, 2014, 15, 948-956.	5.4	41
65	Toward enhanced photocatalytic activity of graphite carbon nitride through rational design of noble metal-free dual cocatalysts. Nanoscale, 2020, 12, 13829-13837.	5.6	41
66	Operando XAS/SAXS: Guiding Design of Singleâ€Atom and Subnanocluster Catalysts. Small Methods, 2021, 5, e2001194.	8.6	41
67	Controlled assembly of rodlike viruses with polymers. Chemical Communications, 2009, , 2869.	4.1	40
68	MOF-Derived Carbon Networks with Atomically Dispersed Feâ€“N_x Sites for Oxygen Reduction Reaction Catalysis in Acidic Media. , 2019, 1, 37-43.		40
69	Preparation of an Fe₂Ni MOF on nickel foam as an efficient and stable electrocatalyst for the oxygen evolution reaction. RSC Advances, 2019, 9, 33558-33562.	3.6	40
70	Superlattice of Rodlike Virus Particles Formed in Aqueous Solution through Like-Charge Attraction. Langmuir, 2011, 27, 10929-10937.	3.5	39
71	Transition Kinetics of Self-Assembled Supramolecular Dodecagonal Quasicrystal and Frankâ€“Kasper Ïƒ Phases in AB_n Dendron-Like Giant Molecules. ACS Macro Letters, 2019, 8, 875-881.	4.8	39
72	Insights into Structural Evolution of Lithium Peroxides with Reduced Charge Overpotential in Liâ€“O₂ System. Advanced Energy Materials, 2019, 9, 1900662.	19.5	38

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73	Injection-Molded Solid and Microcellular Polylactide and Polylactide Nanocomposites. Journal of Biobased Materials and Bioenergy, 2007, 1, 37-45.	0.3	37
74	Effect of Cationâ€“Ï€ Interaction on Macroionic Selfâ€Assembly. Angewandte Chemie - International Edition, 2018, 57, 4067-4072.	13.8	37
75	Insights into the Nanostructure, Solvation, and Dynamics of Liquid Electrolytes through Smallâ€Angle Xâ€Ray Scattering. Advanced Energy Materials, 2021, 11, 2002821.	19.5	37
76	Boosting the hydrogen evolution performance of a ternary Mo_xCo_{1â^'x}P nanowire array by tuning the Mo/Co ratio. Journal of Materials Chemistry A, 2019, 7, 14842-14848.	10.3	36
77	Highâ€Temperatureâ€Stable and Regenerable Catalysts: Platinum Nanoparticles in Aligned Mesoporous Silica Wells. ChemSusChem, 2013, 6, 1915-1922.	6.8	34
78	Atomically dispersed palladium catalyses Suzukiâ€“Miyaura reactions under phosphine-free conditions. Communications Chemistry, 2020, 3, .	4.5	34
79	Competitive Self-Assembly of PANI Confined MoS₂ Boosting the Photocatalytic Activity of the Graphitic Carbon Nitride. ACS Sustainable Chemistry and Engineering, 2020, 8, 13352-13361.	6.7	33
80	Phase-Change Thermoplastic Elastomer Blends for Tunable Shape Memory by Physical Design. Industrial & Engineering Chemistry Research, 2016, 55, 12590-12597.	3.7	32
81	Concerted Growth and Ordering of Cobalt Nanorod Arrays as Revealed by Tandem in Situ SAXS-XAS Studies. Journal of the American Chemical Society, 2016, 138, 8422-8431.	13.7	32
82	One-Step Chemical Vapor Deposition Synthesis of Hierarchical Ni and N Co-Doped Carbon Nanosheet/Nanotube Hybrids for Efficient Electrochemical CO₂ Reduction at Commercially Viable Current Densities. ACS Catalysis, 2021, 11, 10333-10344.	11.2	32
83	Reduction-Triggered Self-Assembly of Nanoscale Molybdenum Oxide Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 10623-10629.	13.7	31
84	The Role of Repulsion in Colloidal Crystal Engineering with DNA. Journal of the American Chemical Society, 2017, 139, 16528-16535.	13.7	31
85	Multilevel Manipulation of Supramolecular Structures of Giant Molecules via Macromolecular Composition and Sequence. ACS Macro Letters, 2018, 7, 635-640.	4.8	31
86	Atomic Layer Deposition Overcoating Improves Catalyst Selectivity and Longevity in Propane Dehydrogenation. ACS Catalysis, 2020, 10, 13957-13967.	11.2	30
87	Engineering a hetero-MOF-derived TiO₂â€“Co₃O₄ heterojunction decorated with nickel nanoparticles for enhanced photocatalytic activity even in pure water. CrystEngComm, 2020, 22, 5620-5627.	2.6	30
88	Tuning of Polyoxopalladate Macroanionic Hydration Shell via Countercation Interaction. Chemistry - A European Journal, 2018, 24, 3052-3057.	3.3	29
89	Broadband Tunable Mid-infrared Plasmon Resonances in Cadmium Oxide Nanocrystals Induced by Size-Dependent Nonstoichiometry. Nano Letters, 2020, 20, 2821-2828.	9.1	29
90	Two-way tuning of structural order in metallic glasses. Nature Communications, 2020, 11, 314.	12.8	29

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91	Immobilization of Enzymes by Polymeric Materials. Catalysts, 2021, 11, 1211.	3.5	29
92	Ethane Aromatization over Zn-HZSM-5: Early-Stage Acidity/Performance Relationships and Deactivation Kinetics. Industrial & Engineering Chemistry Research, 2019, 58, 17699-17708.	3.7	28
93	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. Angewandte Chemie - International Edition, 2019, 58, 11879-11885.	13.8	28
94	Hybrid VS₂ cocatalyst and phosphorus dopant towards both surface and bulk modification of ZnCdS/CdS heterostructures. Catalysis Science and Technology, 2019, 9, 583-587.	4.1	27
95	Bimetallic oxyhydroxidein situderived from an Fe₂Co-MOF for efficient electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2021, 9, 13271-13278.	10.3	27
96	Exploring the Effect of Surface Functionality on the Selfâ€Assembly of Polyoxopalladate Macroions. Chemistry - A European Journal, 2015, 21, 9048-9052.	3.3	25
97	Tuning the Performance of Single-Atom Electrocatalysts: Support-Induced Structural Reconstruction. Chemistry of Materials, 2018, 30, 7494-7502.	6.7	24
98	Fast and low voltage-driven solid-state electrochromics using 3-D conductive FTO nanobead electrodes. Journal of Materials Chemistry C, 2014, 2, 618-621.	5.5	23
99	Disordered 3â€‰D Multiâ€layer Graphene Anode Material from CO₂ for Sodiumâ€ion Batteries. ChemSusChem, 2016, 9, 1397-1402.	6.8	23
100	Large-scale synthesis of lithium- and manganese-rich materials with uniform thin-film Al2O3 coating for stable cathode cycling. Science China Materials, 2020, 63, 1683-1692.	6.3	23
101	Synthesis and characterization of Au-core Ag-shell nanoparticles from unmodified apoferritin. Journal of Materials Chemistry, 2012, 22, 14458.	6.7	22
102	Ultralow-Loading Pt/Zn Hybrid Cluster in Zeolite HZSM-5 for Efficient Dehydroaromatization. Journal of the American Chemical Society, 2022, 144, 11831-11839.	13.7	22
103	Exploring Pore Formation of Atomic Layer-Deposited Overlayers by in Situ Small- and Wide-Angle X-ray Scattering. Chemistry of Materials, 2016, 28, 7082-7087.	6.7	21
104	Hierarchical Selfâ€Assembly of Supramolecular Coordination Polymers Using Giant Metalâ€“Organic Nanocapsules as Building Blocks. Chemistry - A European Journal, 2018, 24, 14335-14340.	3.3	21
105	Communicationâ€”Microscopic View of the Ethylene Carbonate Based Lithium-Ion Battery Electrolyte by X-ray Scattering. Journal of the Electrochemical Society, 2019, 166, A47-A49.	2.9	21
106	Nickel/gallium modified HZSM-5 for ethane aromatization: Influence of metal function on reactivity and stability. Applied Catalysis A: General, 2020, 601, 117629.	4.3	21
107	High-performance TiO₂ photocatalyst produced by the versatile functions of the tiny bimetallic MOF-derived NiCoS-porous carbon cocatalyst. CrystEngComm, 2019, 21, 3686-3693.	2.6	20
108	Reduced-graphene-oxide-loaded MoS2â€¡Ni3S2 nanorod arrays on Ni foam as an efficient and stable electrocatalyst for the hydrogen evolution reaction. Electrochemistry Communications, 2019, 99, 22-26.	4.7	20

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109	Microscopic Understanding of the Ionic Networks of â€œWater-in-Saltâ€•Electrolytes. Energy Material Advances, 2021, 2021, .	11.0	20
110	Restorable Neutralization of Poly(acrylic acid) Binders toward Balanced Processing Properties and Cycling Performance for Silicon Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 57932-57940.	8.0	19
111	Solvation Structure and Dynamics of Mg(TFSI)₂ Aqueous Electrolyte. Energy and Environmental Materials, 2022, 5, 295-304.	12.8	19
112	Insight into the nanostructure of â€œwater in saltâ€•solutions: A SAXS/WAXS study on imide-based lithium salts aqueous solutions. Energy Storage Materials, 2022, 45, 696-703.	18.0	19
113	Properties of polyurethaneâ€“polystyrene graft copolymer membranes used for separating waterâ€“ethanol mixtures. European Polymer Journal, 2005, 41, 1090-1096.	5.4	18
114	Supramolecular Elastomers. Particulate Î²-Sheet Nanocrystal-Reinforced Synthetic Elastic Networks. Macromolecules, 2016, 49, 2688-2697.	4.8	18
115	High Thermal Stability of La₂O₃- and CeO₂-Stabilized Tetragonal ZrO₂. Inorganic Chemistry, 2016, 55, 2413-2420.	4.0	18
116	Sequence isomeric giant surfactants with distinct self-assembly behaviors in solution. Chemical Communications, 2019, 55, 636-639.	4.1	18
117	Self-Assembled Solute Networks in Crowded Electrolyte Solutions and Nanoconfinement of Charged Redoxmer Molecules. Journal of Physical Chemistry B, 2020, 124, 10226-10236.	2.6	18
118	Crowded electrolytes containing redoxmers in different states of charge: Solution structure, properties, and fundamental limits on energy density. Journal of Molecular Liquids, 2021, 334, 116533.	4.9	18
119	A MnO_x enhanced atomically dispersed ironâ€“nitrogenâ€“carbon catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2022, 10, 5981-5989.	10.3	18
120	Understanding Synthesis and Structural Variation of Nanomaterials Through In Situ/Operando XAS and SAXS. Small, 2022, 18, e2106017.	10.0	18
121	Nonisothermal crystallization kinetics and morphology of self-seeded syndiotactic 1,2-polybutadiene. Journal of Applied Polymer Science, 2006, 100, 1479-1491.	2.6	17
122	Three-dimensional conducting oxide nanoarchitectures: morphology-controllable synthesis, characterization, and applications in lithium-ion batteries. Nanoscale, 2013, 5, 6422.	5.6	17
123	Unexpected electrochemical behavior of an anolyte redoxmer in flow battery electrolytes: solvating cations help to fight against the thermodynamicâ€“kinetic dilemma. Journal of Materials Chemistry A, 2020, 8, 13470-13479.	10.3	17
124	Fine-tuned order-order phase transitions in giant surfactants via interfacial engineering. Giant, 2020, 1, 100002.	5.1	17
125	Probing the Origin of Photocatalytic Effects in Photothermochemical Dry Reforming of Methane on a Pt/CeO₂ Catalyst. Journal of Physical Chemistry C, 2021, 125, 18684-18692.	3.1	17
126	Understanding Solvation Behavior of the Saturated Electrolytes with Small/Wide-Angle X-ray Scattering and Raman Spectroscopy. Energy & Fuels, 2021, 35, 19849-19855.	5.1	17

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127	Effect of external electrical field on phase behavior and morphology development of polymer dispersed liquid crystal. European Polymer Journal, 2004, 40, 1823-1832.	5.4	16
128	Hydrogen bonding directed co-assembly of polyoxometalates and polymers to coreâ€“shell nanoparticles. Materials Chemistry Frontiers, 2018, 2, 2070-2075.	5.9	16
129	Design and Characterization of ALD-Based Overcoats for Supported Metal Nanoparticle Catalysts. ACS Catalysis, 2021, 11, 2605-2619.	11.2	16
130	Decoupling the degradation factors of Ni-rich NMC/Li metal batteries using concentrated electrolytes. Energy Storage Materials, 2021, 41, 222-229.	18.0	16
131	Polymer-virus core-shell structures prepared via co-assembly and template synthesis methods. Science China Chemistry, 2010, 53, 71-77.	8.2	15
132	Self-Assembly of Rodlike Virus to Superlattices. Langmuir, 2013, 29, 12777-12784.	3.5	15
133	Distinctive Trend of Metal Binding Affinity via Hydration Shell Breakage in Nanoconfined Cavity. Journal of Physical Chemistry C, 2019, 123, 14825-14833.	3.1	15
134	Conductive polymer supported and confined iron phosphide nanocrystals for boosting the photocatalytic hydrogen production of graphitic carbon nitride. Journal of Materials Chemistry C, 2020, 8, 14540-14547.	5.5	15
135	Modularly Constructed Polyhedral Oligomeric Silsesquioxane-Based Giant Molecules for Unconventional Nanostructure Fabrication. ACS Applied Nano Materials, 2020, 3, 2952-2958.	5.0	15
136	Enhancing the performance of lithium oxygen batteries through combining redox mediating salts with a lithium protecting salt. Journal of Power Sources, 2021, 491, 229506.	7.8	15
137	Syngas production at a near-unity H₂/CO ratio from photo-thermo-chemical dry reforming of methane on a Pt decorated Al₂O₃â€“CeO₂catalyst. Journal of Materials Chemistry A, 2022, 10, 7896-7910.	10.3	15
138	Effect of Cationâ€“Ï€ Interaction on Macroionic Selfâ€Assembly. Angewandte Chemie, 2018, 130, 4131-4136.	2.0	13
139	Tailoring nanopore formation in atomic layer deposited ultrathin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	13
140	Hybrid network via instantaneous photoradiation: High efficient design of 100% bio-based thermosets with remoldable and recyclable capabilities after UV curing. Chemical Engineering Journal, 2018, 336, 54-63.	12.7	13
141	Efficient Construction of a C60 Interlayer for Mechanically Robust, Dendrite-free, and Ultrastable Solid-State Batteries. IScience, 2020, 23, 101636.	4.1	11
142	Packing State Management to Realize Dense and Semiconducting Lead Sulfide Nanocrystals Film via a Single-Step Deposition. Cell Reports Physical Science, 2020, 1, 100183.	5.6	11
143	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. Angewandte Chemie, 2019, 131, 12005-12011.	2.0	10
144	Competitive Pi-Stacking and H-Bond Piling Increase Solubility of Heterocyclic Redoxmers. Journal of Physical Chemistry B, 2020, 124, 10409-10418.	2.6	10

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145	Understanding fluorine-free electrolytes via small-angle X-ray scattering. Journal of Energy Chemistry, 2022, 70, 340-346.	12.9	10
146	Lithium Assisted â€œDissolutionâ€“Alloyingâ€•Synthesis of Nanoalloys from Individual Bulk Metals. Chemistry of Materials, 2016, 28, 2267-2277.	6.7	9
147	Sequenceâ€Mandated, Distinct Assembly of Giant Molecules. Angewandte Chemie, 2017, 129, 15210-15215.	2.0	9
148	A large molecular cluster with high proton release capacity. Chemical Communications, 2020, 56, 12849-12852.	4.1	9
149	Unraveling the Effects of Cobalt on Crystal Growth and Solution Behavior of Nb6P2W12-based Dimeric Clusters. Inorganic Chemistry, 2020, 59, 6747-6754.	4.0	9
150	Effects of coating spherical iron oxide nanoparticles. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3621-3626.	2.4	8
151	Controlling Infrared Plasmon Resonances in Inverse-Spinel Cadmium Stannate Nanocrystals via Site-Selective Cation-Exchange Reactions. Chemistry of Materials, 2021, 33, 1954-1963.	6.7	8
152	Catalytic Light Alkanes Conversion through Anaerobic Ammodehydrogenation. ACS Catalysis, 2021, 11, 7987-7995.	11.2	8
153	Molecular Sieve-Modified Separator for High-Performance Lithium-Ion Batteries. Nanoscale Research Letters, 2020, 15, 107.	5.7	8
154	Synthesis and Characterization of Mesoporous Silica Nanoparticles Loaded with Pt Catalysts. Catalysts, 2022, 12, 183.	3.5	8
155	A visible to near-infrared nanocrystalline organic photodetector with ultrafast photoresponse. Journal of Materials Chemistry C, 2022, 10, 9391-9400.	5.5	8
156	Drift Transport in Al₂O₃-Sheathed 3-D Transparent Conducting Oxide Photoanodes Observed in Liquid Electrolyte-Based Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 9951-9957.	3.1	7
157	Substantially reinforcing plant oil-based materials via cycloaliphatic epoxy with double bond-bridged structure. Polymer, 2016, 107, 19-28.	3.8	6
158	Cobalt ion redox and conductive polymers boosted the photocatalytic activity of the graphite carbon nitrideâ€“Co₃O₄ Z-scheme heterostructure. New Journal of Chemistry, 2021, 45, 162-168.	2.8	6
159	Ammonia-Assisted Light Alkane Anti-coke Reforming on Isolated ReO_x Sites in Zeolite. ACS Catalysis, 2022, 12, 3165-3172.	11.2	6
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