Yuzi Liu

List of Publications by Year
in descending order

195	9,371	41344	46799
papers	citations	49 h-index	89 g-index

199	199	199	14478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Native lattice strain induced structural earthquake in sodium layered oxide cathodes. Nature Communications, 2022, 13, 436.	12.8	29
2	Thermal dynamics of P2-Na0.67Ni0.33Mn0.67O2 cathode materials for sodium ion batteries studied by in situ analysis. Journal of Materials Research, 2022, 37, 1156-1163.	2.6	1
3	Self-healing Growth of LaNiO₃ on a Mixed-Terminated Perovskite Surface. ACS Applied Materials & Interfaces, 2022, 14, 16928-16938.	8.0	4
4	Synchrotron X-ray-induced Synthesis of Copper Hydroxide Nitrate Nanoplates on Cu Thin Films in an Ambient Atmosphere. ACS Applied Materials & Interfaces, 2022, 14, 23342-23347.	8.0	1
5	Electrochemically induced amorphous-to-rock-salt phase transformation in niobium oxide electrode for Li-ion batteries. Nature Materials, 2022, 21, 795-803.	27.5	69
6	Origin and regulation of oxygen redox instability in high-voltage battery cathodes. Nature Energy, 2022, 7, 808-817.	39.5	55
7	A Unified test for the Intercept of a Predictive Regression Model*. Oxford Bulletin of Economics and Statistics, 2021, 83, 571-588.	1.7	2
8	The effect of annealing on optical transmittance and structure of ZLANI fluorozirconate glass thin films. Micron, 2021, 140, 102977.	2.2	2
9	Anisotropic Transient Disordering of Colloidal, Two-Dimensional CdSe Nanoplatelets upon Optical Excitation. Nano Letters, 2021, 21, 1288-1294.	9.1	8
10	Inâ€Situ Characterization of Dynamic Morphological and Phase Changes of Seleniumâ€doped Germanium Using a Single Particle Cell and Synchrotron Transmission Xâ€ray Microscopy. ChemSusChem, 2021, 14, 1370-1376.	6.8	10
11	Revealing High-Temperature Reduction Dynamics of High-Entropy Alloy Nanoparticles via In Situ Transmission Electron Microscopy. Nano Letters, 2021, 21, 1742-1748.	9.1	26
12	Synergistics of Fe₃C and Fe on Mesoporous Feâ€“Nâ€“C Sulfur Host for Nearly Complete and Fast Lithium Polysulfide Conversion. ACS Applied Materials & Interfaces, 2021, 13, 17791-17799.	8.0	9
13	Silicon Microreactor as a Fast Charge, Long Cycle Life Anode with High Initial Coulombic Efficiency Synthesized via a Scalable Method. ACS Applied Energy Materials, 2021, 4, 4744-4757.	5.1	13
14	Tunable room-temperature ferromagnetism in Co-doped two-dimensional van der Waals ZnO. Nature Communications, 2021, 12, 3952.	12.8	54
15	Study of Functional Materials by Correlative Electron and Synchrotron X-ray Microscopy. Microscopy and Microanalysis, 2021, 27, 364-366.	0.4	0
16	Operando Investigation of Energy Storage Material by FIB-SEM System. Microscopy and Microanalysis, 2021, 27, 440-442.	0.4	0
17	Selective volatile organic compound gas sensor based on carbon nanotubes functionalized with ZnO nanoparticles. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, .	1.2	4
18	Mesoscale Confinement Effects and Emergent Quantum Interference in Titania Antidot Thin Films. ACS Nano, 2021, 15, 12935-12944.	14.6	1

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19	Carbon Free and Noble Metal Free Ni₂Mo₆S₈ Electrocatalyst for Selective Electrosynthesis of H₂O₂. Advanced Functional Materials, 2021, 31, 2104716.	14.9	44
20	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
21	Engineering the Si Anode Interface via Particle Surface Modification: Embedded Organic Carbonates Lead to Enhanced Performance. ACS Applied Energy Materials, 2021, 4, 8193-8200.	5.1	11
22	Lithium trapping in germanium nanopores during delithiation process. Applied Materials Today, 2021, 24, 101140.	4.3	1
23	Investigations on the effect of current density on SiO/Si composite electrodes. Electrochimica Acta, 2021, 393, 139072.	5.2	7
24	Stress- and Interface-Compatible Red Phosphorus Anode for High-Energy and Durable Sodium-Ion Batteries. ACS Energy Letters, 2021, 6, 547-556.	17.4	33
25	Synergistic Multisites Fe₂Mo₆S₈ Electrocatalysts for Ambient Nitrogen Conversion to Ammonia. ACS Nano, 2021, 15, 16887-16895.	14.6	27
26	Spatial and Temporal Analysis of Sodium-Ion Batteries. ACS Energy Letters, 2021, 6, 4023-4054.	17.4	62
27	Synthetic Ligand Selection Affects Stoichiometry, Carrier Dynamics, and Trapping in CuInSe₂ Nanocrystals. ACS Nano, 2021, 15, 19588-19599.	14.6	4
28	Ultrafine Pt cluster and RuO₂ heterojunction anode catalysts designed for ultra-low Pt-loading anion exchange membrane fuel cells. Nanoscale Horizons, 2020, 5, 316-324.	8.0	34
29	In situ and operando investigation of the dynamic morphological and phase changes of a selenium-doped germanium electrode during (de)lithiation processes. Journal of Materials Chemistry A, 2020, 8, 750-759.	10.3	21
30	Morphological Control of Chromophore Spin State in Zinc Porphyrinâ€“Peptide Assemblies. Journal of the American Chemical Society, 2020, 142, 233-241.	13.7	14
31	Boosting Superior Lithium Storage Performance of Alloyâ€Based Anode Materials via Ultraconformal Sb Coatingâ€“Derived Favorable Solidâ€Electrolyte Interphase. Advanced Energy Materials, 2020, 10, 1903186.	19.5	29
32	Investigation towards scalable processing of silicon/graphite nanocomposite anodes with good cycle stability and specific capacity. Nano Materials Science, 2020, 2, 297-308.	8.8	15
33	In Situ Construction of an Ultrarobust and Lithiophilic Li-Enriched Liâ€“N Nanoshield for High-Performance Ge-Based Anode Materials. ACS Energy Letters, 2020, 5, 3490-3497.	17.4	29
34	In Situ Oxidation Studies of High-Entropy Alloy Nanoparticles. ACS Nano, 2020, 14, 15131-15143.	14.6	71
35	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
36	Microfluidic, One-Batch Synthesis of Pd Nanocrystals on N-Doped Carbon in Surfactant-Free Deep Eutectic Solvents for Formic Acid Electrochemical Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 42704-42710.	8.0	9

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37	Blade-Type Reaction Front in Micrometer-Sized Germanium Particles during Lithiation. ACS Applied Materials & Interfaces, 2020, 12, 47574-47579.	8.0	7
38	Crack-Free Silicon Monoxide as Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 57141-57145.	8.0	17
39	Direct observation of the formation and stabilization of metallic nanoparticles on carbon supports. Nature Communications, 2020, 11, 6373.	12.8	65
40	In Situ and Operando Morphology Study of Germaniumâ€“Selenium Alloy Anode for Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 6115-6120.	5.1	8
41	Lead-Free Cs₄CuSb₂Cl₁₂ Layered Double Perovskite Nanocrystals. Journal of the American Chemical Society, 2020, 142, 11927-11936.	13.7	131
42	Unprecedented non-hysteretic superelasticity of [001]-oriented NiCoFeGa single crystals. Nature Materials, 2020, 19, 712-718.	27.5	95
43	A macromolecular assembly directed ceramic aerogel monolith material. Journal of Materials Chemistry C, 2020, 8, 10319-10324.	5.5	7
44	Synthesis and Characterization of Bio-Active GFP-P4VP Coreâ€“Shell Nanoparticles. Catalysts, 2020, 10, 627.	3.5	3
45	Unusual Reduction of Graphene Oxide by Titanium Dioxide Electrons Produced by Ionizing Radiation: Reaction Products and Mechanism. Journal of Physical Chemistry C, 2020, 124, 5425-5435.	3.1	4
46	Solution Blowing Synthesis of Li-Conductive Ceramic Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 16200-16208.	8.0	15
47	Magnetic Damping Modulation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrMn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> via the Magnetic Spin Hall Effect. Physical Review Letters, 2020, 124, 087204.	8.6	44
48	Strain Recovery and Defect Characterization in Mgâ€Implanted Homoepitaxial GaN on Highâ€Quality GaN Substrates. Physica Status Solidi (B): Basic Research, 2020, 257, 1900705.	1.5	14
49	Li_xNiO/Ni Heterostructure with Strong Basic Lattice Oxygen Enables Electrocatalytic Hydrogen Evolution with Pt-like Activity. Journal of the American Chemical Society, 2020, 142, 12613-12619.	13.7	103
50	A Lowâ€Current and Analog Memristor with Ru as Mobile Species. Advanced Materials, 2020, 32, e1904599.	21.0	59
51	A mechanistic study of mesoporous TiO2 nanoparticle negative electrode materials with varying crystallinity for lithium ion batteries. Journal of Materials Chemistry A, 2020, 8, 3333-3343.	10.3	32
52	An All-Ceramic, Anisotropic, and Flexible Aerogel Insulation Material. Nano Letters, 2020, 20, 3828-3835.	9.1	79
53	Highly Reversible Sodiation/Desodiation from a Carbon-Sandwiched SnS₂ Nanosheet Anode for Sodium Ion Batteries. Nano Letters, 2020, 20, 3844-3851.	9.1	69
54	Variability and origins of grain boundary electric potential detected by electron holography and atom-probe tomography. Nature Materials, 2020, 19, 887-893.	27.5	72

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55	A practical phosphorus-based anode material for high-energy lithium-ion batteries. Nano Energy, 2020, 74, 104849.	16.0	56
56	Stabilized Electrode/Electrolyte Interphase by a Saturated Ionic Liquid Electrolyte for High-Voltage NMC532/Si-Graphite Cells. ACS Applied Materials & Interfaces, 2020, 12, 23035-23045.	8.0	26
57	Revealing Sintering Kinetics of MoS₂-Supported Metal Nanocatalysts in Atmospheric Gas Environments via Operando Transmission Electron Microscopy. ACS Nano, 2020, 14, 4074-4086.	14.6	15
58	Operando Investigation of Energy Storage Material by FIB-SEM System. Microscopy and Microanalysis, 2020, 26, 416-418.	0.4	0
59	Amorphous and crystalline TiO2 nanoparticle negative electrodes for sodium-ion batteries. Electrochimica Acta, 2019, 321, 134723.	5.2	28
60	Evaluation of the microstructure and property of TiNi SMA prepared using VIM in BaZrO3 crucible. Vacuum, 2019, 168, 108843.	3.5	9
61	Semi-artificial Photosynthetic CO₂ Reduction through Purple Membrane Re-engineering with Semiconductor. Journal of the American Chemical Society, 2019, 141, 11811-11815.	13.7	44
62	Effect of proton irradiation on anatase TiO2 nanotube anodes for lithium-ion batteries. Journal of Materials Science, 2019, 54, 13221-13235.	3.7	19
63	Mask-free patterning and selective CVD-growth of 2D-TMDCs semiconductors. Semiconductor Science and Technology, 2019, 34, 085010.	2.0	5
64	Structural underpinnings of cathode protection by in situ generated lithium oxyfluorophosphates. Journal of Power Sources, 2019, 438, 227039.	7.8	10
65	H3PO4 treatment to enhance the electrochemical properties of Li(Ni1/3Mn1/3Co1/3)O2 and Li(Ni0.5Mn0.3Co0.2)O2 cathodes. Electrochimica Acta, 2019, 301, 8-22.	5.2	50
66	Building ultraconformal protective layers on both secondary and primary particles of layered lithium transition metal oxide cathodes. Nature Energy, 2019, 4, 484-494.	39.5	345
67	Controlling Nanoparticle Orientations in the Self-Assembly of Patchy Quantum Dot-Gold Heterostructural Nanocrystals. Journal of the American Chemical Society, 2019, 141, 6013-6021.	13.7	49
68	Selenium Nanocomposite Cathode with Long Cycle Life for Rechargeable Lithiumâ€Selenium Batteries. Batteries and Supercaps, 2019, 2, 784-791.	4.7	31
69	Tunable LiAlO₂/Al₂O₃Coating through a Wet-Chemical Method To Improve Cycle Stability of Nano-LiCoO₂. ACS Applied Energy Materials, 2019, 2, 3098-3113.	5.1	25
70	In Situ Focused Ion Beam-Scanning Electron Microscope Study of Crack and Nanopore Formation in Germanium Particle During (De)lithiation. ACS Applied Energy Materials, 2019, 2, 2441-2446.	5.1	16
71	Synergetic effect of carbon and AlF3 coatings on the lithium titanium oxide anode material for high power lithium-ion batteries. Journal of Electroanalytical Chemistry, 2019, 837, 240-245.	3.8	7
72	Redox Catalytic and Quasi-Solid Sulfur Conversion for High-Capacity Lean Lithium Sulfur Batteries. ACS Nano, 2019, 13, 14540-14548.	14.6	44

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73	Hypoxia-induced biosynthesis of gold nanoparticles in the living brain. Nanoscale, 2019, 11, 19285-19290.	5.6	1
74	Facet-dependent active sites of a single Cu2O particle photocatalyst for CO2 reduction to methanol. Nature Energy, 2019, 4, 957-968.	39.5	349
75	In Situ Focused Ion Beam Scanning Electron Microscope Study of Microstructural Evolution of Single Tin Particle Anode for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 1733-1738.	8.0	42
76	A revisit to atomic layer deposition of zinc oxide using diethylzinc and water as precursors. Journal of Materials Science, 2019, 54, 5236-5248.	3.7	40
77	Solidâ€State Lithium/Seleniumâ€“Sulfur Chemistry Enabled via a Robust Solidâ€Electrolyte Interphase. Advanced Energy Materials, 2019, 9, 1802235.	19.5	63
78	Li-ion battery material under high pressure: amorphization and enhanced conductivity of Li4Ti5O12. National Science Review, 2019, 6, 239-246.	9.5	49
79	Unexpected compositional and structural modification of CoPt3 nanoparticles by extensive surface purification. Nanoscale, 2018, 10, 6382-6392.	5.6	7
80	Silicon compatible Sn-based resistive switching memory. Nanoscale, 2018, 10, 9441-9449.	5.6	24
81	Efficient photocatalytic H2 production via rational design of synergistic spatially-separated dual cocatalysts modified Mn0.5Cd0.5S photocatalyst under visible light irradiation. Chemical Engineering Journal, 2018, 337, 480-487.	12.7	102
82	Elevated Temperature Photophysical Properties and Morphological Stability of CdSe and CdSe/CdS Nanoplatelets. Journal of Physical Chemistry Letters, 2018, 9, 286-293.	4.6	27
83	A stable rhodium single-site catalyst encapsulated within dendritic mesoporous nanochannels. Nanoscale, 2018, 10, 1047-1055.	5.6	17
84	Investigations of Si Thin Films as Anode of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 3487-3494.	8.0	40
85	Size-dependent phase transition of Er2O3 under high pressure. Applied Physics Letters, 2018, 112, 143102.	3.3	10
86	Electrostatic Self-Assembly Enabling Integrated Bulk and Interfacial Sodium Storage in 3D Titania-Graphene Hybrid. Nano Letters, 2018, 18, 336-346.	9.1	40
87	Transfer of Graphene with Protective Oxide Layers. ChemEngineering, 2018, 2, 58.	2.4	5
88	In Situ Monitoring of the Growth of Nickel, Manganese, and Cobalt Hydroxide Precursors during Co-Precipitation Synthesis of Li-Ion Cathode Materials. Journal of the Electrochemical Society, 2018, 165, A3077-A3083.	2.9	18
89	Li-Substituted Layered Spinel Cathode Material for Sodium Ion Batteries. Chemistry of Materials, 2018, 30, 8145-8154.	6.7	37
90	Superstructures generated from truncated tetrahedral quantum dots. Nature, 2018, 561, 378-382.	27.8	143

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91	Hydrogen bonding directed co-assembly of polyoxometalates and polymers to coreâ€“shell nanoparticles. Materials Chemistry Frontiers, 2018, 2, 2070-2075.	5.9	16
92	Hydrogenolysis of 5-hydroxymethylfurfural to 2,5-dimethylfuran over supported Ptâ€“Co bimetallic catalysts under mild conditions. Green Chemistry, 2018, 20, 2894-2902.	9.0	73
93	Stable cycling of high-voltage lithium metal batteries in ether electrolytes. Nature Energy, 2018, 3, 739-746.	39.5	767
94	Material Dimensionality Effects on Electron Transfer Rates Between CsPbBr₃ and CdSe Nanoparticles. Nano Letters, 2018, 18, 4771-4776.	9.1	49
95	Binary Transition-Metal Oxide Hollow Nanoparticles for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 24715-24724.	8.0	60
96	Capacity Fading Mechanism and Improvement of Cycling Stability of the SiO Anode for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A2102-A2107.	2.9	22
97	Glancing-incidence focussed ion beam milling: A coherent X-ray diffraction study of 3D nano-scale lattice strains and crystal defects. Acta Materialia, 2018, 154, 113-123.	7.9	28
98	Atomic layer deposited Pt-Co bimetallic catalysts for selective hydrogenation of Î±, Î²-unsaturated aldehydes to unsaturated alcohols. Journal of Catalysis, 2018, 366, 61-69.	6.2	61
99	Insights into the Distinct Lithiation/Sodiation of Porous Cobalt Oxide by in Operando Synchrotron X-ray Techniques and Ab Initio Molecular Dynamics Simulations. Nano Letters, 2017, 17, 953-962.	9.1	30
100	Parasitic Reactions in Nanosized Silicon Anodes for Lithium-Ion Batteries. Nano Letters, 2017, 17, 1512-1519.	9.1	122
101	Revealing mechanism responsible for structural reversibility of single-crystal VO2 nanorods upon lithiation/delithiation. Nano Energy, 2017, 36, 197-205.	16.0	65
102	Highâ€Performance Highâ€Loading Lithiumâ€“Sulfur Batteries by Low Temperature Atomic Layer Deposition of Aluminum Oxide on Nanophase S Cathodes. Advanced Materials Interfaces, 2017, 4, 1700096.	3.7	22
103	Amorphous boron nanorod as an anode material for lithium-ion batteries at room temperature. Nanoscale, 2017, 9, 10757-10763.	5.6	23
104	Insights into the structural effects of layered cathode materials for high voltage sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1677-1693.	30.8	143
105	Polyvinylpyrrolidone (PVP)â€Capped Pt Nanocubes with Superior Peroxidaseâ€Like Activity. ChemNanoMat, 2017, 3, 33-38.	2.8	37
106	Silicon Nanoparticles: Stability in Aqueous Slurries and the Optimization of the Oxide Layer Thickness for Optimal Electrochemical Performance. ACS Applied Materials & Interfaces, 2017, 9, 32727-32736.	8.0	26
107	Novel colloidal materials from functionalized polyoxometalates. Inorganic Chemistry Communication, 2017, 84, 20-23.	3.9	4
108	Synthesis and performance of nanostructured silicon/graphite composites with a thin carbon shell and engineered voids. Electrochimica Acta, 2017, 258, 274-283.	5.2	33

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109	Making Li-metal electrodes rechargeable by controlling the dendrite growth direction. Nature Energy, 2017, 2, .	39.5	355
110	Bottom-up direct writing approach for controlled fabrication of WS₂/MoS₂ heterostructure systems. RSC Advances, 2016, 6, 66589-66594.	3.6	8
111	Disordered 3â€‰D Multiâ€layer Graphene Anode Material from CO₂ for Sodiumâ€Ion Batteries. ChemSusChem, 2016, 9, 1397-1402.	6.8	23
112	Novel chemoresistive CH4 sensor with 10â€‰ppm sensitivity based on multiwalled carbon nanotubes functionalized with SnO2 nanocrystals. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	25
113	Visualization of Magnetization in CoFe Nanofibers by Lorentz TEM and Electron Holography. Microscopy and Microanalysis, 2016, 22, 1692-1693.	0.4	1
114	Lithium Assisted â€œDissolutionâ€“Alloyingâ€•Synthesis of Nanoalloys from Individual Bulk Metals. Chemistry of Materials, 2016, 28, 2267-2277.	6.7	9
115	Nanostructured Black Phosphorus/Ketjenblackâ€“Multiwalled Carbon Nanotubes Composite as High Performance Anode Material for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3955-3965.	9.1	246
116	Oxidation Induced Doping of Nanoparticles Revealed by in Situ X-ray Absorption Studies. Nano Letters, 2016, 16, 3738-3747.	9.1	25
117	Hollow Silicon Nanospheres Encapsulated with a Thin Carbon Shell: An Electrochemical Study. Electrochimica Acta, 2016, 215, 126-141.	5.2	62
118	Synthesis of Highly Dispersed and Highly Stable Supported Auâ€“Pt Bimetallic Catalysts by a Two-Step Method. Catalysis Letters, 2016, 146, 2606-2613.	2.6	13
119	Quantifying the Nucleation and Growth Kinetics of Microwave Nanochemistry Enabled by in Situ High-Energy X-ray Scattering. Nano Letters, 2016, 16, 715-720.	9.1	50
120	Understanding Pt Nanoparticle Anchoring on Graphene Supports through Surface Functionalization. ACS Catalysis, 2016, 6, 2642-2653.	11.2	172
121	Ru Nanoframes with an fcc Structure and Enhanced Catalytic Properties. Nano Letters, 2016, 16, 2812-2817.	9.1	187
122	Visualizing Redox Dynamics of a Single Ag/AgCl Heterogeneous Nanocatalyst at Atomic Resolution. ACS Nano, 2016, 10, 3738-3746.	14.6	61
123	In situ TEM study of reversible and irreversible electroforming in Pt/Ti:NiO/Pt heterostructures. Physica Status Solidi - Rapid Research Letters, 2015, 9, 301-306.	2.4	10
124	Hierarchical polybenzimidazole-grafted graphene hybrids as supports for Pt nanoparticle catalysts with excellent PEMFC performance. Nano Energy, 2015, 16, 281-292.	16.0	50
125	Nanostructured Layered Cathode for Rechargeable Mg-Ion Batteries. ACS Nano, 2015, 9, 8194-8205.	14.6	181
126	Electron beam induced evolution in Au, Ag, and interfaced heterogeneous Au/Ag nanoparticles. Nanoscale, 2015, 7, 13687-13693.	5.6	41

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127	Solid-Solution CrCoCuFeNi High-Entropy Alloy Thin Films Synthesized by Sputter Deposition. Materials Research Letters, 2015, 3, 203-209.	8.7	127
128	Mesoporous Colloidal Superparticles of Platinumâ€Group Nanocrystals with Surfactantâ€Free Surfaces and Enhanced Heterogeneous Catalysis. Advanced Functional Materials, 2015, 25, 1638-1647.	14.9	23
129	Bottom-up, hard template and scalable approaches toward designing nanostructured Li₂S for high performance lithium sulfur batteries. Nanoscale, 2015, 7, 18071-18080.	5.6	26
130	PVP-Assisted Synthesis of Uniform Carbon Coated Li₂S/CB for High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2015, 7, 25748-25756.	8.0	56
131	Quantifying mean inner potential of ZnO nanowires by off-axis electron holography. Micron, 2015, 78, 67-72.	2.2	8
132	Synthesis of uniformly distributed single- and double-sided zinc oxide (ZnO) nanocombs. Journal of Crystal Growth, 2015, 430, 34-40.	1.5	18
133	Dynamic Lithium Intercalation/Deintercalation in 18650 Lithium Ion Battery by Time-Resolved High Energy Synchrotron X-Ray Diffraction. Journal of the Electrochemical Society, 2015, 162, A2195-A2200.	2.9	17
134	Birnessite-Type MnO₂Nanosheets with Layered Structures Under High Pressure: Elimination of Crystalline Stacking Faults and Oriented Laminar Assembly. Small, 2015, 11, 300-305.	10.0	41
135	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. Journal of the American Chemical Society, 2015, 137, 742-749.	13.7	58
136	Heterogeneous nucleation and shape transformation of multicomponent metallicÂnanostructures. Nature Materials, 2015, 14, 215-223.	27.5	187
137	Highly Asymmetric, Interfaced Dimers Made of Au Nanoparticles and Bimetallic Nanoshells: Synthesis and Photoâ€Enhanced Catalysis. Advanced Functional Materials, 2014, 24, 2828-2836.	14.9	47
138	Visualization of the Magnetic Structure of Sculpted Three-Dimensional Cobalt Nanospirals. Nano Letters, 2014, 14, 759-764.	9.1	73
139	Tunable and rapid self-assembly of block copolymers using mixed solvent vapors. Nanoscale, 2014, 6, 15216-15221.	5.6	27
140	Insight into the Structural Evolution of a High-Voltage Spinel for Lithium-Ion Batteries. Chemistry of Materials, 2014, 26, 4750-4756.	6.7	23
141	Photoinduced Electron Transfer Pathways in Hydrogen-Evolving Reduced Graphene Oxide-Boosted Hybrid Nano-Bio Catalyst. ACS Nano, 2014, 8, 7995-8002.	14.6	55
142	Improved cyclability of a lithiumâ€“sulfur battery using POPâ€“Sulfur composite materials. RSC Advances, 2014, 4, 27518-27521.	3.6	25
143	Photoinitiated charge separation in a hybrid titanium dioxide metalloporphyrin peptide material. Nature Communications, 2014, 5, 4606.	12.8	23
144	Li₂S encapsulated by nitrogen-doped carbon for lithium sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 18026-18032.	10.3	90

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145	Effect of hydrogen flow during cooling phase to achieve uniform and repeatable growth of bilayer graphene on copper foils over large area. Carbon, 2014, 77, 341-350.	10.3	18
146	A novel multifunctional NiTi/Ag hierarchical composite. Scientific Reports, 2014, 4, 5267.	3.3	19
147	Nanostructured TiO₂/Polypyrrole for Visible Light Photocatalysis. Journal of Physical Chemistry C, 2013, 117, 15540-15544.	3.1	121
148	Nanocrystallization in Fluorochlorozirconate Glassâ€Ceramics. Journal of the American Ceramic Society, 2013, 96, 3617-3621.	3.8	13
149	Kinetic Pathway of Palladium Nanoparticle Sulfidation Process at High Temperatures. Nano Letters, 2013, 13, 4893-4901.	9.1	22
150	In Situ Small-Angle X-ray Scattering from Pd Nanoparticles Formed by Thermal Decomposition of Organo-Pd Catalyst Precursors Dissolved in Hydrocarbons. Journal of Physical Chemistry C, 2013, 117, 22627-22635.	3.1	16
151	X-ray micro-beam characterization of lattice rotations and distortions due to an individual dislocation. Nature Communications, 2013, 4, 2774.	12.8	46
152	In Situ Visualization of Self-Assembly of Charged Gold Nanoparticles. Journal of the American Chemical Society, 2013, 135, 3764-3767.	13.7	183
153	Visualization of magnetic domain structure changes induced by interfacial strain in CoFe₂O₄/BaTiO₃ heterostructures. Journal Physics D: Applied Physics, 2013, 46, 055001.	2.8	18
154	Ambient-stable tetragonal phase in silver nanostructures. Nature Communications, 2012, 3, 971.	12.8	119
155	Morphological and Crystalline Evolution of Nanostructured MnO₂ and Its Application in Lithiumâ€Air Batteries. ACS Nano, 2012, 6, 8067-8077.	14.6	266
156	Three-dimensional characterization of near-field transducers by electron tomography. Materials Characterization, 2012, 72, 104-110.	4.4	0
157	Thermal transformation of Î´-MnO2 nanoflowers studied by in-situ TEM. Science China Chemistry, 2012, 55, 2346-2352.	8.2	12
158	Leakage current suppression in solution-deposited barium titanate films on copper foils. Journal of Materials Science: Materials in Electronics, 2012, 23, 901-908.	2.2	7
159	Synthesis of lamellar niobic acid nanorods via proton-exchange and their conversion to T-Nb2O5 nanorods. Ceramics International, 2012, 38, 861-865.	4.8	3
160	A unique approach to accurately measure thickness in thick multilayers. Journal of Synchrotron Radiation, 2012, 19, 425-427.	2.4	1
161	Synthesis of Smâ€“Co and Smâ€“Co/Fe nanocrystals by reductive annealing of nanoparticles. Journal of Alloys and Compounds, 2011, 509, 2132-2136.	5.5	55
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