Jim Yang Lee

List of Publications by Year
in descending order

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349 papers	37,105 citations	2213 99 h-index	3576 181 g-index
363 all docs	363 docs citations	363 times ranked	34036 citing authors

#	Article	IF	Citations
1	An integrated approach to improve the performance of leanâ€“electrolyte lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 67, 585-592.	7.1	12
2	Mitigating Early Phase Separation of Aliphatic Random Ionomers by the Hydrophobic H-Bond Acceptor Addition. Journal of Composites Science, 2022, 6, 73.	1.4	0
3	Hydrophilic Cross-Linked Aliphatic Hydrocarbon Diblock Copolymer as Proton Exchange Membrane for Fuel Cells. Materials, 2021, 14, 1617.	1.3	3
4	Enhanced polysulfide conversion catalysis in lithium-sulfur batteries with surface cleaning electrolyte additives. Chemical Engineering Journal, 2021, 410, 128284.	6.6	37
5	I&EC Research and the Materials Research Space. Industrial & Engineering Chemistry Research, 2021, 60, 8963-8963.	1.8	0
6	Mediatorâ€“Assisted Catalysis of Polysulfide Conversion for Highâ€“Loading Lithiumâ€“Sulfur Batteries Operating Under the Lean Electrolyte Condition. Energy Storage Materials, 2021, 38, 338-343.	9.5	51
7	Enhanced polysulfide conversion through metal oxide-support interaction in MnOx/MXene. Chemical Engineering Journal, 2021, 420, 130452.	6.6	15
8	Stabilization of lithium metal anodes by conductive metalâ€“organic framework architectures. Journal of Materials Chemistry A, 2021, 9, 12099-12108.	5.2	10
9	Stretchable Znâ€Ion Hybrid Battery with Reconfigurable V₂CT_x and Ti₃C₂T_x MXene Electrodes as a Magnetically Actuated Soft Robot. Advanced Energy Materials, 2021, 11, 2101862.	10.2	26
10	Stretchable Znâ€Ion Hybrid Battery with Reconfigurable V₂CT_x and Ti₃C₂T_x MXene Electrodes as a Magnetically Actuated Soft Robot (Adv. Energy Mater. 45/2021). Advanced Energy Materials, 2021, 11, .	10.2	2
11	Overcoming the Technical Challenges in Al Anodeâ€“Based Electrochromic Energy Storage Windows. Small Methods, 2020, 4, 1900545.	4.6	40
12	A microporous carbon derived from metalâ€organic frameworks for longâ€life lithium sulfur batteries. International Journal of Energy Research, 2020, 44, 2126-2136.	2.2	11
13	Reversible Crumpling of 2D Titanium Carbide (MXene) Nanocoatings for Stretchable Electromagnetic Shielding and Wearable Wireless Communication. Advanced Functional Materials, 2020, 30, 1907451.	7.8	155
14	Bridging the energy efficiency gap between quasi-neutral and alkaline rechargeable zinc-air batteries by an efficient hybrid battery design. Energy Storage Materials, 2020, 33, 181-187.	9.5	19
15	Plasmonic Oxygenâ€Deficient TiO_{2â€x} Nanocrystals for Dualâ€Band Electrochromic Smart Windows with Efficient Energy Recycling. Advanced Materials, 2020, 32, e2004686.	11.1	155
16	Solid Additives for Improving the Performance of Sulfur Cathodes in Lithiumâ€“Sulfur Batteriesâ€”Adsorbents, Mediators, and Catalysts. Small Methods, 2020, 4, 1900864.	4.6	60
17	Unraveling the electrocatalytically active sites and stability of Co & Co oxides on nanocarbon for oxygen evolution reaction in acid solution. Journal of Energy Chemistry, 2020, 49, 8-13.	7.1	16
18	110th Anniversary: A Total Water Splitting Electrocatalyst Based on Borate/Fe Co-Doping of Nickel Sulfide. Industrial & Engineering Chemistry Research, 2019, 58, 13053-13063.	1.8	9

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19	Simultaneous Cobalt and Phosphorous Doping of MoS₂ for Improved Catalytic Performance on Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1902096.	10.2	118
20	A Cathode-Integrated Sulfur-Deficient Co₉S₈ Catalytic Interlayer for the Reutilization of â€œLostâ€•Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 7073-7082.	7.3	226
21	Stepwise Electrocatalysis as a Strategy against Polysulfide Shuttling in Liâ€“S Batteries. ACS Nano, 2019, 13, 14208-14216.	7.3	171
22	Dual-Band Electrochromic Devices with a Transparent Conductive Capacitive Charge-Balancing Anode. ACS Applied Materials & Interfaces, 2019, 11, 48062-48070.	4.0	47
23	Electrochemical Performance of Borateâ€Doped Nickel Sulfide: Enhancement of the Bifunctional Activity for Total Water Splitting. ChemElectroChem, 2019, 6, 1443-1449.	1.7	23
24	A Visible Light-Near-Infrared Dual-Band Smart Window with Internal Energy Storage. Joule, 2019, 3, 1152-1162.	11.7	176
25	Metal-doped TiO₂ colloidal nanocrystals with broadly tunable plasmon resonance absorption. Journal of Materials Chemistry C, 2018, 6, 4007-4014.	2.7	46
26	Probing the Qi of traditional Chinese herbal medicines by the biological synthesis of nano-Au. Journal of Materials Chemistry B, 2018, 6, 3156-3162.	2.9	1
27	Monoclinic oxygen-deficient tungsten oxide nanowires for dynamic and independent control of near-infrared and visible light transmittance. Materials Horizons, 2018, 5, 291-297.	6.4	102
28	Nitrogenatedâ€Graphiteâ€Encapsulated Carbon Black as a Metalâ€Free Electrocatalyst for the Oxygen Evolution Reaction in Acid. ChemElectroChem, 2018, 5, 583-588.	1.7	18
29	A multi-electron redox mediator for redox-targeting lithium-sulfur flow batteries. Journal of Power Sources, 2018, 378, 418-422.	4.0	11
30	Enhancement Effect of Borate Doping on the Oxygen Evolution Activity of Î±-Nickel Hydroxide. ACS Applied Nano Materials, 2018, 1, 751-758.	2.4	39
31	Promotion of the bifunctional electrocatalytic oxygen activity of manganese oxides with dual-affinity phosphate. Electrochimica Acta, 2018, 277, 143-150.	2.6	14
32	Unconventional noble metal-free catalysts for oxygen evolution in aqueous systems. Journal of Materials Chemistry A, 2018, 6, 8147-8158.	5.2	66
33	Improving the Electrochemical Oxygen Reduction Activity of Manganese Oxide Nanosheets with Sulfurizationâ€Induced Nanopores. ChemCatChem, 2018, 10, 422-429.	1.8	23
34	A Redâ€Phosphorousâ€Assisted Ballâ€Milling Synthesis of Fewâ€Layered Ti₃C₂T_x (MXene) Nanodot Composite. ChemNanoMat, 2018, 4, 56-60.	1.5	64
35	A Self-Templating Redox-Mediated Synthesis of Hollow Phosphated Manganese Oxide Nanospheres as Noble-Metal-like Oxygen Electrocatalysts. Chemistry of Materials, 2018, 30, 8270-8279.	3.2	31
36	Elucidating the Catalytic Activity of Oxygen Deficiency in the Polysulfide Conversion Reactions of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1801868.	10.2	164

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37	Single-shot 3D coherent diffractive imaging of core-shell nanoparticles with elemental specificity. Scientific Reports, 2018, 8, 8284.	1.6	10
38	Revealing isoelectronic size conversion dynamics of metal nanoclusters by a noncrystallization approach. Nature Communications, 2018, 9, 1979.	5.8	88
39	Fluoride-Assisted Synthesis of Plasmonic Colloidal Ta-Doped TiO₂ Nanocrystals for Near-Infrared and Visible-Light Selective Electrochromic Modulation. Chemistry of Materials, 2018, 30, 4838-4846.	3.2	84
40	Al³⁺ intercalation/de-intercalation-enabled dual-band electrochromic smart windows with a high optical modulation, quick response and long cycle life. Energy and Environmental Science, 2018, 11, 2884-2892.	15.6	248
41	Controlled Crumpling of Two-Dimensional Titanium Carbide (MXene) for Highly Stretchable, Bendable, Efficient Supercapacitors. ACS Nano, 2018, 12, 8048-8059.	7.3	136
42	The development of cobalt phosphate for bifunctional oxygen electrocatalysis in alkaline solution. Electrochimica Acta, 2017, 227, 310-316.	2.6	38
43	Combined mediator and electrochemical charging and discharging of redox targeting lithium-sulfur flow batteries. Materials Today Energy, 2017, 5, 15-21.	2.5	24
44	Why Wasnâ€™t My Manuscript Sent Out for Review?. Industrial & Engineering Chemistry Research, 2017, 56, 7109-7111.	1.8	5
45	Balancing the chemisorption and charge transport properties of the interlayer in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 12506-12512.	5.2	62
46	A Fe/Mnâ€Based Prussian Blue Analogue as a Kâ€Rich Cathode Material for Potassiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 2237-2242.	1.7	96
47	Evaluation of Hybrid Anode Usability in Lithium Polysulfide Flow Batteries. Energy Technology, 2017, 5, 2072-2077.	1.8	2
48	Electrocatalysis of polysulfide conversion by sulfur-deficient MoS₂ nanoflakes for lithiumâ€“sulfur batteries. Energy and Environmental Science, 2017, 10, 1476-1486.	15.6	805
49	A Polymer-Infused Solid-State Synthesis of a Long Cycle-Life Na₃V₂(PO₄)₃/C Composite. ACS Sustainable Chemistry and Engineering, 2017, 5, 8447-8455.	3.2	24
50	Does size matter â€“ What other factors are limiting the rate performance of Na3V2(PO4)3 cathode in sodium-ion batteries. Journal of Power Sources, 2017, 372, 91-98.	4.0	20
51	A metal-free ORR/OER bifunctional electrocatalyst derived from metal-organic frameworks for rechargeable Zn-Air batteries. Carbon, 2017, 111, 641-650.	5.4	304
52	Facile synthesis of N/M/O (M= Fe, Co, Ni) doped carbons for oxygen evolution catalysis in acid solution. Energy Storage Materials, 2017, 6, 140-148.	9.5	36
53	Dichotomizing the Oxygen Electrocatalytic Properties of Doped Carbon Catalysts in Acid through a Saltâ€Activated Synthesis. ChemCatChem, 2017, 9, 103-108.	1.8	4
54	The Origin of Catalytic Activity of Nickel Phosphate for Oxygen Evolution in Alkaline Solution and its Further Enhancement by Iron Substitution. ChemElectroChem, 2016, 3, 615-621.	1.7	81

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55	Dualâ€Functional Coating of Forward Osmosis Membranes for Hydrophilization and Antimicrobial Resistance. Advanced Materials Interfaces, 2016, 3, 1500599.	1.9	15
56	Hydrophilic Mineral Coating of Membrane Substrate for Reducing Internal Concentration Polarization (ICP) in Forward Osmosis. Scientific Reports, 2016, 6, 19593.	1.6	77
57	An Effective Design of Electrically Conducting Thin-Film Composite (TFC) Membranes for Bio and Organic Fouling Control in Forward Osmosis (FO). Environmental Science & Technology, 2016, 50, 10596-10605.	4.6	50
58	Electronic Coupling of Cobalt Nanoparticles to Nitrogenâ€Doped Graphene for Oxygen Reduction and Evolution Reactions. ChemSusChem, 2016, 9, 3067-3073.	3.6	21
59	Extending the cycle life of Na₃V₂(PO₄)₃ cathodes in sodium-ion batteries through interdigitated carbon scaffolding. Journal of Materials Chemistry A, 2016, 4, 14669-14674.	5.2	57
60	Lithium Salt Inclusion as a Strategy for Improving the Li⁺ Conductivity of Nafion Membranes in Aprotic Systems. Advanced Materials Interfaces, 2016, 3, 1600660.	1.9	16
61	Improving the Performance of Perovskite in Nonaqueous Oxygen Electrocatalysis. Chemistry - an Asian Journal, 2016, 11, 1210-1217.	1.7	8
62	Activity of Transitionâ€Metal (Manganese, Iron, Cobalt, and Nickel) Phosphates for Oxygen Electrocatalysis in Alkaline Solution. ChemCatChem, 2016, 8, 372-379.	1.8	127
63	Nâ€“Coâ€“O Triply Doped Highly Crystalline Porous Carbon: An Acid-Proof Nonprecious Metal Oxygen Evolution Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 3535-3542.	4.0	16
64	Poly(diallyldimethylammonium chloride)-assisted synthesis of MoS2/graphene composites with enhanced electrochemical performances for reversible lithium storage. Electrochimica Acta, 2016, 190, 538-547.	2.6	16
65	Promotion of reversible Li+ storage in transition metal dichalcogenides by Ag nanoclusters. NPG Asia Materials, 2016, 8, e247-e247.	3.8	16
66	Hydrodynamic Voltammetry at a Rocking Disc Electrode: Theory versus Experiment. Electrochimica Acta, 2016, 188, 837-844.	2.6	9
67	Evaluating the viability of double-skin thin film composite membranes in forward osmosis processes. Journal of Membrane Science, 2016, 502, 65-75.	4.1	13
68	The Application of Redox Targeting Principles to the Design of Rechargeable Liâ€“S Flow Batteries. Advanced Energy Materials, 2015, 5, 1501808.	10.2	86
69	Origin of the Increased Li⁺â€Storage Capacity of Stacked SnS₂/Graphene Nanocomposite. ChemElectroChem, 2015, 2, 1138-1143.	1.7	29
70	Development of Cobalt Hydroxide as a Bifunctional Catalyst for Oxygen Electrocatalysis in Alkaline Solution. ACS Applied Materials & Interfaces, 2015, 7, 12930-12936.	4.0	151
71	Supramolecule-mediated synthesis of MoS₂/reduced graphene oxide composites with enhanced electrochemical performance for reversible lithium storage. Journal of Materials Chemistry A, 2015, 3, 6884-6893.	5.2	95
72	Introducing Amphiphilicity to Noble Metal Nanoclusters via Phase-Transfer Driven Ion-Pairing Reaction. Journal of the American Chemical Society, 2015, 137, 2128-2136.	6.6	139

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73	Synthesis of Fewâ€Layer MoS₂â€“Graphene Composites with Superior Electrochemical Lithiumâ€Storage Performance by an Ionicâ€Liquidâ€Mediated Hydrothermal Route. ChemElectroChem, 2015, 2, 538-546.	1.7	36
74	Dualâ€Carbon Network for the Effective Transport of Charged Species in a LiFePO₄ Cathode for Lithiumâ€Ion Batteries. Energy Technology, 2015, 3, 63-69.	1.8	11
75	Exploring Metal Nanoclusters for Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2015, 7, 5488-5496.	4.0	28
76	l-Cysteine-assisted hydrothermal synthesis of nickel disulfide/graphene composite with enhanced electrochemical performance for reversible lithium storage. Journal of Power Sources, 2015, 294, 51-58.	4.0	65
77	Investigating the Energy Storage Mechanism of SnS₂-rGO Composite Anode for Advanced Na-Ion Batteries. Chemistry of Materials, 2015, 27, 5633-5640.	3.2	184
78	Mesoporous activated carbons with enhanced porosity by optimal hydrothermal pre-treatment of biomass for supercapacitor applications. Microporous and Mesoporous Materials, 2015, 218, 55-61.	2.2	151
79	Enhancing the performance of catalytic AuPt nanoparticles in nonaqueous lithiumâ€“oxygen batteries. Nanoscale, 2015, 7, 12906-12912.	2.8	25
80	Iron Doping in Spinel NiMn₂O₄: Stabilization of the Mesoporous Cubic Phase and Kinetics Activation toward Highly Reversible Li⁺ Storage. Chemistry of Materials, 2015, 27, 7698-7709.	3.2	37
81	Surface Reaction Route To Increase the Loading of Antimicrobial Ag Nanoparticles in Forward Osmosis Membranes. ACS Sustainable Chemistry and Engineering, 2015, 3, 2959-2966.	3.2	34
82	Counterionâ€Assisted Shaping of Nanocluster Supracrystals. Angewandte Chemie - International Edition, 2015, 54, 184-189.	7.2	81
83	Double Transition-Metal Chalcogenide as a High-Performance Lithium-Ion Battery Anode Material. Industrial & Engineering Chemistry Research, 2014, 53, 17901-17908.	1.8	44
84	Increasing the high rate performance of mixed metal phospho-olivine cathodes through collective and cooperative strategies. Journal of Power Sources, 2014, 247, 273-279.	4.0	12
85	Thin film composite forward-osmosis membranes with enhanced internal osmotic pressure for internal concentration polarization reduction. Chemical Engineering Journal, 2014, 249, 236-245.	6.6	112
86	Editorial: Energyâ€…Storageâ€…Materials: A Special Issue ofEnergyâ€…Technology. Energy Technology, 2014, 2, 307-308.	1.8	0
87	Mn and Co co-substituted Fe₃O₄nanoparticles on nitrogen-doped reduced graphene oxide for oxygen electrocatalysis in alkaline solution. Journal of Materials Chemistry A, 2014, 2, 16217-16223.	5.2	118
88	Learning from nature: introducing an epiphyteâ€“host relationship in the synthesis of alloy nanoparticles by co-reduction methods. Chemical Communications, 2014, 50, 9765-9768.	2.2	7
89	Architectural Design of Heterogeneous Metallic Nanocrystalsâ€”Principles and Processes. Accounts of Chemical Research, 2014, 47, 3530-3540.	7.6	66
90	Oxide-on-metal as an inverted design of oxygen electrocatalysts for non-aqueous Liâ€“O2batteries. Nanoscale, 2014, 6, 12324-12327.	2.8	8

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91	Gemini surfactant assisted hydrothermal synthesis of nanotile-like MoS 2 /graphene hybrid with enhanced lithium storage performance. Nano Energy, 2014, 10, 144-152.	8.2	113
92	Layered SnS₂â€Reduced Graphene Oxide Composite â€“ A Highâ€Capacity, Highâ€Rate, and Longâ€Cycle Life Sodiumâ€Ion Battery Anode Material. Advanced Materials, 2014, 26, 3854-3859.	11.1	744
93	A bifunctional oxygen electrocatalyst from monodisperse MnCo₂O₄ nanoparticles on nitrogen enriched carbon nanofibers. RSC Advances, 2014, 4, 25089-25092.	1.7	41
94	Meso-oblate Spheroids of Thermal-Stabile Linker-Free Aggregates with Size-Tunable Subunits for Reversible Lithium Storage. ACS Applied Materials & Interfaces, 2014, 6, 1173-1179.	4.0	16
95	Facile synthesis and electrochemical properties of two dimensional layered MoS2/graphene composite for reversible lithium storage. Journal of Power Sources, 2014, 251, 264-268.	4.0	77
96	Ultrathin carbon nanopainting of LiFePO4 by oxidative surface polymerization of dopamine. Journal of Power Sources, 2014, 265, 239-245.	4.0	25
97	Cationic surfactant-assisted hydrothermal synthesis of few-layer molybdenum disulfide/graphene composites: Microstructure and electrochemical lithium storage. Journal of Power Sources, 2014, 264, 262-271.	4.0	85
98	Graphene-like layered metal dichalcogenide/graphene composites: synthesis and applications in energy storage and conversion. Materials Today, 2014, 17, 184-193.	8.3	143
99	Stellated Ag-Pt bimetallic nanoparticles: An effective platform for catalytic activity tuning. Scientific Reports, 2014, 4, 3969.	1.6	79
100	Assembly of Nanoions via Electrostatic Interactions: Ion-Like Behavior of Charged Noble Metal Nanoclusters. Scientific Reports, 2014, 4, 3848.	1.6	47
101	In situ nitrogenated grapheneâ€“few-layer WS2 composites for fast and reversible Li+ storage. Nanoscale, 2013, 5, 7890.	2.8	182
102	Engineering the architectural diversity of heterogeneous metallic nanocrystals. Nature Communications, 2013, 4, 1454.	5.8	100
103	Feâ€Doped Mn_xO_y with Hierarchical Porosity as a Highâ€Performance Lithiumâ€Ion Battery Anode. Advanced Materials, 2013, 25, 4646-4652.	11.1	125
104	Nanostructured SnO₂@TiO₂ Coreâ€Shell Composites: A Highâ€Rate Liâ€Ion Anode Material Usable without Conductive Additives. Energy Technology, 2013, 1, 567-572.	1.8	30
105	Carbon-Encapsulated F-Doped Li₄Ti₅O₁₂ as a High Rate Anode Material for Li⁺ Batteries. ACS Nano, 2013, 7, 10870-10878.	7.3	212
106	Preparation of semi-interpenetrating polymer networks with adjustable mesh width and hydrophobicity. Polymer, 2013, 54, 134-142.	1.8	12
107	Facile synthesis of MoS2/graphene composites: effects of different cationic surfactants on microstructures and electrochemical properties of reversible lithium storage. RSC Advances, 2013, 3, 21675.	1.7	62
108	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. Advanced Functional Materials, 2013, 23, 4324-4331.	7.8	105

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109	Thermoresponsive nanoparticles + plasmonic nanoparticles = photoresponsive heterodimers: facile synthesis and sunlight-induced reversible clustering. Chemical Communications, 2013, 49, 6122.	2.2	59
110	N-doped carbon encapsulation of ultrafine silicon nanocrystallites for high performance lithium ion storage. Journal of Materials Chemistry A, 2013, 1, 13625.	5.2	30
111	Semi-interpenetrating polymer network proton exchange membranes with narrow and well-connected hydrophilic channels. Journal of Power Sources, 2013, 226, 289-298.	4.0	41
112	CTAB-assisted synthesis of single-layer MoS₂â€"graphene composites as anode materials of Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 2202-2210.	5.2	410
113	Prevalence of Anisotropic Shell Growth in Rare Earth Coreâ€"Shell Upconversion Nanocrystals. ACS Nano, 2013, 7, 4393-4402.	7.3	98
114	Grapheneâ€Like MoS₂/Graphene Composites: Cationic Surfactantâ€Assisted Hydrothermal Synthesis and Electrochemical Reversible Storage of Lithium. Small, 2013, 9, 3693-3703.	5.2	322
115	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. Nanoscale, 2013, 5, 4606.	2.8	100
116	Twoâ€Phase Synthesis of Small Thiolateâ€Protected Au₁₅ and Au₁₈ Nanoclusters. Small, 2013, 9, 2696-2701.	5.2	74
117	A coreâ€"shell templated approach to the nanocomposites of silver sulfide and noble metal nanoparticles with hollow/cage-bell structures. Nanoscale, 2013, 5, 6901.	2.8	41
118	Conformal graphene encapsulation of tin oxide nanoparticle aggregates for improved performance in reversible Li+ storage. Nanoscale, 2013, 5, 5965.	2.8	32
119	High-Performance Lithium-Ion Cathode LiMn_{0.7}Fe_{0.3}PO₄/C and the Mechanism of Performance Enhancements through Fe Substitution. ACS Applied Materials & Interfaces, 2013, 5, 12120-12126.	4.0	45
120	Guiding Principles in the Galvanic Replacement Reaction of an Underpotentially Deposited Metal Layer for Site-Selective Deposition and Shape and Size Control of Satellite Nanocrystals. Chemistry of Materials, 2013, 25, 4746-4756.	3.2	38
121	Synthesis of Au Nanorod@Amine-Modified Silica@Rare-Earth Fluoride Nanodisk Coreâ€"Shellâ€"Shell Heteronanostructures. Journal of Physical Chemistry C, 2013, 117, 15253-15259.	1.5	31
122	From Aggregation-Induced Emission of Au(I)â€"Thiolate Complexes to Ultrabright Au(0)@Au(I)â€"Thiolate Coreâ€"Shell Nanoclusters. Journal of the American Chemical Society, 2012, 134, 16662-16670.	6.6	1,340
123	Observation of Cluster Size Growth in CO-Directed Synthesis of Au₂₅(SR)₁₈ Nanoclusters. ACS Nano, 2012, 6, 7920-7927.	7.3	157
124	Ion Pair Reinforced Semi-Interpenetrating Polymer Network for Direct Methanol Fuel Cell Applications. Journal of Physical Chemistry B, 2012, 116, 6416-6424.	1.2	11
125	Facile solvothermal synthesis of anatase TiO2 microspheres with adjustable mesoporosity for the reversible storage of lithium ions. Journal of Materials Chemistry, 2012, 22, 24380.	6.7	69
126	Nitrogen-doped carbon-encapsulation of Fe3O4 for increased reversibility in Li+ storage by the conversion reaction. Journal of Materials Chemistry, 2012, 22, 7845.	6.7	139

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127	Highly luminescent Ag+ nanoclusters for Hg2+ ion detection. Nanoscale, 2012, 4, 1968.	2.8	118
128	Improving the Performance of High Capacity Li-Ion Anode Materials by Lithium Titanate Surface Coating. Chemistry of Materials, 2012, 24, 3329-3334.	3.2	42
129	A General Protocol for the Synthesis of Ptâ€“Sn/C Catalysts for the Ethanol Electrooxidation Reaction. Fuel Cells, 2012, 12, 670-676.	1.5	11
130	Hollow and Cage-Bell Structured Nanomaterials of Noble Metals. Journal of the American Chemical Society, 2012, 134, 11602-11610.	6.6	152
131	Computational and experimental study of the Volcano behavior of the oxygen reduction activity of PdM@PdPt/C (M = Pt, Ni, Co, Fe, and Cr) coreâ€“shell electrocatalysts. Journal of Catalysis, 2012, 291, 26-35.	3.1	93
132	Few-layer SnS2/graphene hybrid with exceptional electrochemical performance as lithium-ion battery anode. Journal of Power Sources, 2012, 201, 259-266.	4.0	251
133	The importance of water in the polyol synthesis of carbon supported platinumâ€“tin oxide catalysts for ethanol electrooxidation. Journal of Power Sources, 2012, 206, 97-102.	4.0	16
134	Reversible Lithiumâ€Ion Storage in Silverâ€Treated Nanoscale Hollow Porous Silicon Particles. Angewandte Chemie - International Edition, 2012, 51, 2409-2413.	7.2	299
135	Mitigating the initial capacity loss (ICL) problem in high-capacity lithium ion battery anode materials. Journal of Materials Chemistry, 2011, 21, 9819.	6.7	67
136	Promotional Effects of Ir Addition in Carbon-Supported Pt₅Rh Electrocatalysts for the Electrooxidation of Ethanol at Room Temperature. Energy & Fuels, 2011, 25, 3135-3141.	2.5	15
137	Synthesis of mixed-conducting carbon coated porous Î³-Fe2O3 microparticles and their properties for reversible lithium ion storage. Journal of Materials Chemistry, 2011, 21, 13009.	6.7	67
138	Synthesis of shield-like singly twinned high-index Au nanoparticles. Nanoscale, 2011, 3, 1497.	2.8	21
139	Graphene-Encapsulated Hollow Fe₃O₄ Nanoparticle Aggregates As a High-Performance Anode Material for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2011, 3, 3078-3083.	4.0	288
140	Linker-free 3D assembly of nanocrystals with tunable unit size for reversible lithium ion storage. Nanotechnology, 2011, 22, 355401.	1.3	41
141	Synthesis of Highly Fluorescent Metal (Ag, Au, Pt, and Cu) Nanoclusters by Electrostatically Induced Reversible Phase Transfer. ACS Nano, 2011, 5, 8800-8808.	7.3	362
142	Phase transfer and its applications in nanotechnology. Chemical Society Reviews, 2011, 40, 1672-1696.	18.7	213
143	Graphene-like MoS2/amorphous carbon composites with high capacity and excellent stability as anode materials for lithium ion batteries. Journal of Materials Chemistry, 2011, 21, 6251.	6.7	496
144	Physical and electrochemical characterizations of LiFePO4-incorporated Ag nanoparticles. Journal of Solid State Electrochemistry, 2011, 15, 205-209.	1.2	19

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145	Graphene/nanosized silicon composites for lithium battery anodes with improved cycling stability. Carbon, 2011, 49, 1787-1796.	5.4	275
146	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. Nanoscale, 2010, 2, 1962.	2.8	134
147	Acidâ€"base hybrid polymer electrolyte membranes based on SPEEK. Journal of Membrane Science, 2010, 350, 148-153.	4.1	47
148	Methanolâ€Tolerant Heterogeneous PdCo@PdPt/C Electrocatalyst for the Oxygen Reduction Reaction. Fuel Cells, 2010, 10, 907-913.	1.5	33
149	Oxygen reduction reaction operated on magnetically-modified PtFe/C electrocatalyst. International Journal of Hydrogen Energy, 2010, 35, 942-948.	3.8	38
150	Tuning the Crystallinity of Au Nanoparticles. Small, 2010, 6, 523-527.	5.2	64
151	Oriented single-crystalline TiO₂ nanowires on titanium foil for lithium ion batteries. Journal of Materials Research, 2010, 25, 1588-1594.	1.2	34
152	Design of an Oxygen Reduction Catalyst for Direct Methanol Fuel Cells. Industrial & Engineering Chemistry Research, 2010, 49, 10251-10253.	1.8	5
153	Uncovering the Design Rules for Peptide Synthesis of Metal Nanoparticles. Journal of the American Chemical Society, 2010, 132, 5677-5686.	6.6	290
154	Seed-Mediated Synthesis of Monodisperse Concave Trisoctahedral Gold Nanocrystals with Controllable Sizes. Journal of Physical Chemistry C, 2010, 114, 11119-11126.	1.5	187
155	Synthesis of Nanocrystals with Variable High-Index Pd Facets through the Controlled Heteroepitaxial Growth of Trisoctahedral Au Templates. Journal of the American Chemical Society, 2010, 132, 18258-18265.	6.6	242
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