

# Jim Yang Lee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

347  
papers

32,637  
citations

93  
h-index

169  
g-index

363  
ext. papers

34,796  
ext. citations

8.4  
avg, IF

7.48  
L-index

#	Paper	IF	Citations
347	An integrated approach to improve the performance of lean electrolyte lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 67, 585-592	12	1
346	Mitigating Early Phase Separation of Aliphatic Random Ionomers by the Hydrophobic H-Bond Acceptor Addition. <i>Journal of Composites Science</i> , <b>2022</b> , 6, 73	3	
345	Stretchable Zn-Ion Hybrid Battery with Reconfigurable V <sub>2</sub> C <sub>Tx</sub> and Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Electrodes as a Magnetically Actuated Soft Robot. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101862	21.8	4
344	Enhanced polysulfide conversion catalysis in lithium-sulfur batteries with surface cleaning electrolyte additives. <i>Chemical Engineering Journal</i> , <b>2021</b> , 410, 128284	14.7	19
343	Mediator-Assisted Catalysis of Polysulfide Conversion for High-Loading Lithium-Sulfur Batteries Operating Under the Lean Electrolyte Condition. <i>Energy Storage Materials</i> , <b>2021</b> , 38, 338-343	19.4	21
342	Enhanced polysulfide conversion through metal oxide-support interaction in MnO <sub>x</sub> /MXene. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130452	14.7	8
341	Stabilization of lithium metal anodes by conductive metal-organic framework architectures. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 12099-12108	13	2
340	Stretchable Zn-Ion Hybrid Battery with Reconfigurable V <sub>2</sub> C <sub>Tx</sub> and Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Electrodes as a Magnetically Actuated Soft Robot (Adv. Energy Mater. 45/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170179	21.8	0
339	Solid Additives for Improving the Performance of Sulfur Cathodes in Lithium-Sulfur Batteries: Adsorbents, Mediators, and Catalysts. <i>Small Methods</i> , <b>2020</b> , 4, 1900864	12.8	37
338	Unraveling the electrocatalytically active sites and stability of Co & Co oxides on nanocarbon for oxygen evolution reaction in acid solution. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 8-13	12	8
337	A microporous carbon derived from metal-organic frameworks for long-life lithium sulfur batteries. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 2126-2136	4.5	7
336	Reversible Crumpling of 2D Titanium Carbide (MXene) Nanocoatings for Stretchable Electromagnetic Shielding and Wearable Wireless Communication. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907451	15.6	91
335	Bridging the energy efficiency gap between quasi-neutral and alkaline rechargeable zinc-air batteries by an efficient hybrid battery design. <i>Energy Storage Materials</i> , <b>2020</b> , 33, 181-187	19.4	7
334	Plasmonic Oxygen-Deficient TiO Nanocrystals for Dual-Band Electrochromic Smart Windows with Efficient Energy Recycling. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004686	24	57
333	Overcoming the Technical Challenges in Al Anode-Based Electrochromic Energy Storage Windows. <i>Small Methods</i> , <b>2020</b> , 4, 1900545	12.8	19
332	Simultaneous Cobalt and Phosphorous Doping of MoS <sub>2</sub> for Improved Catalytic Performance on Polysulfide Conversion in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902096	21.8	72
331	A Cathode-Integrated Sulfur-Deficient CoS Catalytic Interlayer for the Reutilization of "Lost" Polysulfides in Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 7073-7082	16.7	156

330	110th Anniversary: A Total Water Splitting Electrocatalyst Based on Borate/Fe Co-Doping of Nickel Sulfide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 13053-13063	3.9	7
329	Stepwise Electrocatalysis as a Strategy against Polysulfide Shuttling in Li-S Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 14208-14216	16.7	98
328	Dual-Band Electrochromic Devices with a Transparent Conductive Capacitive Charge-Balancing Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 48062-48070	9.5	22
327	Electrochemical Performance of Borate-Doped Nickel Sulfide: Enhancement of the Bifunctional Activity for Total Water Splitting. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1443-1449	4.3	12
326	A Visible Light-Near-Infrared Dual-Band Smart Window with Internal Energy Storage. <i>Joule</i> , <b>2019</b> , 3, 1152-1162	18.6	280
325	Metal-doped TiO <sub>2</sub> colloidal nanocrystals with broadly tunable plasmon resonance absorption. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4007-4014	7.1	24
324	Probing the Qi of traditional Chinese herbal medicines by the biological synthesis of nano-Au. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3156-3162	7.3	1
323	Monoclinic oxygen-deficient tungsten oxide nanowires for dynamic and independent control of near-infrared and visible light transmittance. <i>Materials Horizons</i> , <b>2018</b> , 5, 291-297	14.4	53
322	Nitrogenated-Graphite-Encapsulated Carbon Black as a Metal-Free Electrocatalyst for the Oxygen Evolution Reaction in Acid. <i>ChemElectroChem</i> , <b>2018</b> , 5, 583-588	4.3	10
321	A multi-electron redox mediator for redox-targeting lithium-sulfur flow batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 418-422	8.9	6
320	Enhancement Effect of Borate Doping on the Oxygen Evolution Activity of Nickel Hydroxide. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 751-758	5.6	25
319	Promotion of the bifunctional electrocatalytic oxygen activity of manganese oxides with dual-affinity phosphate. <i>Electrochimica Acta</i> , <b>2018</b> , 277, 143-150	6.7	13
318	Unconventional noble metal-free catalysts for oxygen evolution in aqueous systems. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8147-8158	13	51
317	Improving the Electrochemical Oxygen Reduction Activity of Manganese Oxide Nanosheets with Sulfurization-Induced Nanopores. <i>ChemCatChem</i> , <b>2018</b> , 10, 422-429	5.2	18
316	Al <sup>3+</sup> intercalation/de-intercalation-enabled dual-band electrochromic smart windows with a high optical modulation, quick response and long cycle life. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2884-2892	35.4	134
315	Controlled Crumpling of Two-Dimensional Titanium Carbide (MXene) for Highly Stretchable, Bendable, Efficient Supercapacitors. <i>ACS Nano</i> , <b>2018</b> , 12, 8048-8059	16.7	85
314	A Red-Phosphorous-Assisted Ball-Milling Synthesis of Few-Layered Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Nanodot Composite. <i>ChemNanoMat</i> , <b>2018</b> , 4, 56-60	3.5	29
313	A Self-Templating Redox-Mediated Synthesis of Hollow Phosphated Manganese Oxide Nanospheres as Noble-Metal-like Oxygen Electrocatalysts. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8270-8279	9.6	22

3 <sup>12</sup>	Elucidating the Catalytic Activity of Oxygen Deficiency in the Polysulfide Conversion Reactions of Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801868	21.8	115
3 <sup>11</sup>	Single-shot 3D coherent diffractive imaging of core-shell nanoparticles with elemental specificity. <i>Scientific Reports</i> , <b>2018</b> , 8, 8284	4.9	7
3 <sup>10</sup>	Revealing isoelectronic size conversion dynamics of metal nanoclusters by a noncrystallization approach. <i>Nature Communications</i> , <b>2018</b> , 9, 1979	17.4	75
3 <sup>09</sup>	Fluoride-Assisted Synthesis of Plasmonic Colloidal Ta-Doped TiO <sub>2</sub> Nanocrystals for Near-Infrared and Visible-Light Selective Electrochromic Modulation. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4838-4846	9.6	55
3 <sup>08</sup>	The development of cobalt phosphate for bifunctional oxygen electrocatalysis in alkaline solution. <i>Electrochimica Acta</i> , <b>2017</b> , 227, 310-316	6.7	35
3 <sup>07</sup>	Combined mediator and electrochemical charging and discharging of redox targeting lithium-sulfur flow batteries. <i>Materials Today Energy</i> , <b>2017</b> , 5, 15-21	7	14
3 <sup>06</sup>	Balancing the chemisorption and charge transport properties of the interlayer in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12506-12512	13	46
3 <sup>05</sup>	A Fe/Mn-Based Prussian Blue Analogue as a K-Rich Cathode Material for Potassium-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 2237-2242	4.3	70
3 <sup>04</sup>	Evaluation of Hybrid Anode Usability in Lithium Polysulfide Flow Batteries. <i>Energy Technology</i> , <b>2017</b> , 5, 2072-2077	3.5	2
3 <sup>03</sup>	Electrocatalysis of polysulfide conversion by sulfur-deficient MoS <sub>2</sub> nanoflakes for lithium-sulfur batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1476-1486	35.4	617
3 <sup>02</sup>	A Polymer-Infused Solid-State Synthesis of a Long Cycle-Life Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8447-8455	8.3	14
3 <sup>01</sup>	Does size matter? What other factors are limiting the rate performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode in sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 372, 91-98	8.9	10
3 <sup>00</sup>	A metal-free ORR/OER bifunctional electrocatalyst derived from metal-organic frameworks for rechargeable Zn-Air batteries. <i>Carbon</i> , <b>2017</b> , 111, 641-650	10.4	233
2 <sup>99</sup>	Facile synthesis of N/M/O (M= Fe, Co, Ni) doped carbons for oxygen evolution catalysis in acid solution. <i>Energy Storage Materials</i> , <b>2017</b> , 6, 140-148	19.4	27
2 <sup>98</sup>	Dichotomizing the Oxygen Electrocatalytic Properties of Doped Carbon Catalysts in Acid through a Salt-Activated Synthesis. <i>ChemCatChem</i> , <b>2017</b> , 9, 103-108	5.2	4
2 <sup>97</sup>	Extending the cycle life of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathodes in sodium-ion batteries through interdigitated carbon scaffolding. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14669-14674	13	45
2 <sup>96</sup>	Lithium Salt Inclusion as a Strategy for Improving the Li <sup>+</sup> Conductivity of Nafion Membranes in Aprotic Systems. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600660	4.6	10
2 <sup>95</sup>	Improving the Performance of Perovskite in Nonaqueous Oxygen Electrocatalysis. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1210-7	4.5	6

294	Activity of Transition-Metal (Manganese, Iron, Cobalt, and Nickel) Phosphates for Oxygen Electrocatalysis in Alkaline Solution. <i>ChemCatChem</i> , <b>2016</b> , 8, 372-379	5.2	102
293	N-Co-O Triply Doped Highly Crystalline Porous Carbon: An Acid-Proof Nonprecious Metal Oxygen Evolution Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3535-42	9.5	12
292	Poly(diallyldimethylammonium chloride)-assisted synthesis of MoS <sub>2</sub> /graphene composites with enhanced electrochemical performances for reversible lithium storage. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 538-547	6.7	13
291	Promotion of reversible Li <sup>+</sup> storage in transition metal dichalcogenides by Ag nanoclusters. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e247-e247	10.3	16
290	Hydrodynamic Voltammetry at a Rocking Disc Electrode: Theory versus Experiment. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 837-844	6.7	7
289	Evaluating the viability of double-skin thin film composite membranes in forward osmosis processes. <i>Journal of Membrane Science</i> , <b>2016</b> , 502, 65-75	9.6	13
288	The Origin of Catalytic Activity of Nickel Phosphate for Oxygen Evolution in Alkaline Solution and its Further Enhancement by Iron Substitution. <i>ChemElectroChem</i> , <b>2016</b> , 3, 615-621	4.3	69
287	Dual-Functional Coating of Forward Osmosis Membranes for Hydrophilization and Antimicrobial Resistance. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500599	4.6	13
286	Hydrophilic Mineral Coating of Membrane Substrate for Reducing Internal Concentration Polarization (ICP) in Forward Osmosis. <i>Scientific Reports</i> , <b>2016</b> , 6, 19593	4.9	57
285	An Effective Design of Electrically Conducting Thin-Film Composite (TFC) Membranes for Bio and Organic Fouling Control in Forward Osmosis (FO). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10596-10605	10.3	40
284	Electronic Coupling of Cobalt Nanoparticles to Nitrogen-Doped Graphene for Oxygen Reduction and Evolution Reactions. <i>ChemSusChem</i> , <b>2016</b> , 9, 3067-3073	8.3	17
283	Dual-Carbon Network for the Effective Transport of Charged Species in a LiFePO <sub>4</sub> Cathode for Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2015</b> , 3, 63-69	3.5	9
282	Exploring metal nanoclusters for lithium-oxygen batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5488-96	9.5	27
281	L-Cysteine-assisted hydrothermal synthesis of nickel disulfide/graphene composite with enhanced electrochemical performance for reversible lithium storage. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 51-58	8.9	56
280	Investigating the Energy Storage Mechanism of SnS <sub>2</sub> -rGO Composite Anode for Advanced Na-Ion Batteries. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5633-5640	9.6	167
279	Mesoporous activated carbons with enhanced porosity by optimal hydrothermal pre-treatment of biomass for supercapacitor applications. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 218, 55-61	5.3	118
278	Enhancing the performance of catalytic AuPt nanoparticles in nonaqueous lithium-oxygen batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 12906-12	7.7	24
277	Iron Doping in Spinel NiMn <sub>2</sub> O <sub>4</sub> : Stabilization of the Mesoporous Cubic Phase and Kinetics Activation toward Highly Reversible Li <sup>+</sup> Storage. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7698-7709	9.6	34

276	Surface Reaction Route To Increase the Loading of Antimicrobial Ag Nanoparticles in Forward Osmosis Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2959-2966	8.3	28
275	Counterion-assisted shaping of nanocluster supracrystals. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 184-9	16.4	66
274	The Application of Redox Targeting Principles to the Design of Rechargeable Li <sup>+</sup> Flow Batteries. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501808	21.8	75
273	Counterion-Assisted Shaping of Nanocluster Supracrystals. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 186-191	3.6	10
272	Origin of the Increased Li <sup>+</sup> -Storage Capacity of Stacked SnS <sub>2</sub> /Graphene Nanocomposite. <i>ChemElectroChem</i> , <b>2015</b> , 2, 1138-1143	4.3	25
271	Development of Cobalt Hydroxide as a Bifunctional Catalyst for Oxygen Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 12930-6	9.5	131
270	Supramolecule-mediated synthesis of MoS <sub>2</sub> /reduced graphene oxide composites with enhanced electrochemical performance for reversible lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6884-6893	13	89
269	Introducing amphiphilicity to noble metal nanoclusters via phase-transfer driven ion-pairing reaction. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2128-36	16.4	117
268	Synthesis of Few-Layer MoS <sub>2</sub> /Graphene Composites with Superior Electrochemical Lithium-Storage Performance by an Ionic-Liquid-Mediated Hydrothermal Route. <i>ChemElectroChem</i> , <b>2015</b> , 2, 538-546	4.3	35
267	Stellated Ag-Pt bimetallic nanoparticles: an effective platform for catalytic activity tuning. <i>Scientific Reports</i> , <b>2014</b> , 4, 3969	4.9	63
266	Assembly of nanoions via electrostatic interactions: ion-like behavior of charged noble metal nanoclusters. <i>Scientific Reports</i> , <b>2014</b> , 4, 3848	4.9	42
265	Thin film composite forward-osmosis membranes with enhanced internal osmotic pressure for internal concentration polarization reduction. <i>Chemical Engineering Journal</i> , <b>2014</b> , 249, 236-245	14.7	95
264	Mn and Co co-substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles on nitrogen-doped reduced graphene oxide for oxygen electrocatalysis in alkaline solution. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16217-16223	13	99
263	Learning from nature: introducing an epiphyte-host relationship in the synthesis of alloy nanoparticles by co-reduction methods. <i>Chemical Communications</i> , <b>2014</b> , 50, 9765-8	5.8	6
262	Architectural design of heterogeneous metallic nanocrystals--principles and processes. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 3530-40	24.3	61
261	Oxide-on-metal as an inverted design of oxygen electrocatalysts for non-aqueous Li-O <sub>2</sub> batteries. <i>Nanoscale</i> , <b>2014</b> , 6, 12324-7	7.7	7
260	Gemini surfactant assisted hydrothermal synthesis of nanotile-like MoS <sub>2</sub> /graphene hybrid with enhanced lithium storage performance. <i>Nano Energy</i> , <b>2014</b> , 10, 144-152	17.1	103
259	Layered SnS <sub>2</sub> -reduced graphene oxide composite--a high-capacity, high-rate, and long-cycle life sodium-ion battery anode material. <i>Advanced Materials</i> , <b>2014</b> , 26, 3854-9	24	679



258	A bifunctional oxygen electrocatalyst from monodisperse MnCo <sub>2</sub> O <sub>4</sub> nanoparticles on nitrogen enriched carbon nanofibers. <i>RSC Advances</i> , <b>2014</b> , 4, 25089-25092	3.7	34
257	Meso-oblate spheroids of thermal-stable linker-free aggregates with size-tunable subunits for reversible lithium storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1173-9	9.5	15
256	Facile synthesis and electrochemical properties of two dimensional layered MoS <sub>2</sub> /graphene composite for reversible lithium storage. <i>Journal of Power Sources</i> , <b>2014</b> , 251, 264-268	8.9	64
255	Ultrathin carbon nanopainting of LiFePO <sub>4</sub> by oxidative surface polymerization of dopamine. <i>Journal of Power Sources</i> , <b>2014</b> , 265, 239-245	8.9	24
254	Cationic surfactant-assisted hydrothermal synthesis of few-layer molybdenum disulfide/graphene composites: Microstructure and electrochemical lithium storage. <i>Journal of Power Sources</i> , <b>2014</b> , 264, 262-271	8.9	75
253	Graphene-like layered metal dichalcogenide/graphene composites: synthesis and applications in energy storage and conversion. <i>Materials Today</i> , <b>2014</b> , 17, 184-193	21.8	128
252	Double Transition-Metal Chalcogenide as a High-Performance Lithium-Ion Battery Anode Material. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 17901-17908	3.9	34
251	Increasing the high rate performance of mixed metal phospho-olivine cathodes through collective and cooperative strategies. <i>Journal of Power Sources</i> , <b>2014</b> , 247, 273-279	8.9	12
250	In situ nitrogenated graphene-few-layer WS <sub>2</sub> composites for fast and reversible Li <sup>+</sup> storage. <i>Nanoscale</i> , <b>2013</b> , 5, 7890-6	7.7	162
249	Engineering the architectural diversity of heterogeneous metallic nanocrystals. <i>Nature Communications</i> , <b>2013</b> , 4, 1454	17.4	88
248	Fe-doped Mn <sub>x</sub> O <sub>y</sub> with hierarchical porosity as a high-performance lithium-ion battery anode. <i>Advanced Materials</i> , <b>2013</b> , 25, 4646-52	24	112
247	Nanostructured SnO <sub>2</sub> @TiO <sub>2</sub> Core-Shell Composites: A High-Rate Li-ion Anode Material Usable without Conductive Additives. <i>Energy Technology</i> , <b>2013</b> , 1, 567-572	3.5	28
246	Carbon-encapsulated F-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as a high rate anode material for Li <sup>+</sup> batteries. <i>ACS Nano</i> , <b>2013</b> , 7, 10870-8	16.7	189
245	Preparation of semi-interpenetrating polymer networks with adjustable mesh width and hydrophobicity. <i>Polymer</i> , <b>2013</b> , 54, 134-142	3.9	9
244	Facile synthesis of MoS <sub>2</sub> /graphene composites: effects of different cationic surfactants on microstructures and electrochemical properties of reversible lithium storage. <i>RSC Advances</i> , <b>2013</b> , 3, 21675	3.7	54
243	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4324-4331	15.6	88
242	Thermoresponsive nanoparticles + plasmonic nanoparticles = photoresponsive heterodimers: facile synthesis and sunlight-induced reversible clustering. <i>Chemical Communications</i> , <b>2013</b> , 49, 6122-4	5.8	48
241	N-doped carbon encapsulation of ultrafine silicon nanocrystallites for high performance lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13625	13	29

240	Semi-interpenetrating polymer network proton exchange membranes with narrow and well-connected hydrophilic channels. <i>Journal of Power Sources</i> , <b>2013</b> , 226, 289-298	8.9	38
239	CTAB-assisted synthesis of single-layer MoS <sub>2</sub> /graphene composites as anode materials of Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2202-2210	13	378
238	Prevalence of anisotropic shell growth in rare earth core-shell upconversion nanocrystals. <i>ACS Nano</i> , <b>2013</b> , 7, 4393-402	16.7	92
237	Graphene-like MoS <sub>2</sub> /graphene composites: cationic surfactant-assisted hydrothermal synthesis and electrochemical reversible storage of lithium. <i>Small</i> , <b>2013</b> , 9, 3693-703	11	291
236	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. <i>Nanoscale</i> , <b>2013</b> , 5, 4606-20	7.7	93
235	Two-phase synthesis of small thiolate-protected Au <sub>13</sub> and Au <sub>14</sub> nanoclusters. <i>Small</i> , <b>2013</b> , 9, 2696-701	11	67
234	A core-shell templated approach to the nanocomposites of silver sulfide and noble metal nanoparticles with hollow/cage-bell structures. <i>Nanoscale</i> , <b>2013</b> , 5, 6901-7	7.7	37
233	Conformal graphene encapsulation of tin oxide nanoparticle aggregates for improved performance in reversible Li <sup>+</sup> storage. <i>Nanoscale</i> , <b>2013</b> , 5, 5965-72	7.7	32
232	High-performance lithium-ion cathode LiMn(0.7)Fe(0.3)PO(4)/C and the mechanism of performance enhancements through Fe substitution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12120-6	9.5	37
231	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. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4746-4756	9.6	33
230	Synthesis of Au [email protected] [email protected] Fluoride Nanodisk Core/Shell/Shell Heteronanostructures. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 15253-15259	3.8	30
229	Computational and experimental study of the Volcano behavior of the oxygen reduction activity of PdM@PdPt/C (M=Pt, Ni, Co, Fe, and Cr) core-shell electrocatalysts. <i>Journal of Catalysis</i> , <b>2012</b> , 291, 26-35	7.3	74
228	Few-layer SnS <sub>2</sub> /graphene hybrid with exceptional electrochemical performance as lithium-ion battery anode. <i>Journal of Power Sources</i> , <b>2012</b> , 201, 259-266	8.9	221
227	The importance of water in the polyol synthesis of carbon supported platinum(II) oxide catalysts for ethanol electrooxidation. <i>Journal of Power Sources</i> , <b>2012</b> , 206, 97-102	8.9	12
226	Reversible lithium-ion storage in silver-treated nanoscale hollow porous silicon particles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2409-13	16.4	277
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