

Li-Jun Wan

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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.

640
papers

55,198
citations

114
h-index

218
g-index

690
ext. papers

61,238
ext. citations

9.1
avg, IF

8.04
L-index

#	Paper	IF	Citations
640	Lithium-sulfur batteries: electrochemistry, materials, and prospects. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13186-200	16.4	1989
639	Nanostructured Materials for Electrochemical Energy Conversion and Storage Devices. <i>Advanced Materials</i> , 2008 , 20, 2878-2887	24	1893
638	Self-Assembled 3D Flowerlike Iron Oxide Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2006 , 18, 2426-2431	24	1425
637	Smaller sulfur molecules promise better lithium-sulfur batteries. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18510-3	16.4	1317
636	Understanding the High Activity of Fe-N-C Electrocatalysts in Oxygen Reduction: Fe/Fe ₃ C Nanoparticles Boost the Activity of Fe-N(x). <i>Journal of the American Chemical Society</i> , 2016 , 138, 3570-8	16.4	1219
635	Carbon Coated Fe ₃ O ₄ Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2008 , 18, 3941-3946	15.6	1119
634	Binding SnO ₂ nanocrystals in nitrogen-doped graphene sheets as anode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 2152-7	24	951
633	Tin-Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2008 , 20, 1160-1165	24	938
632	Self-assembled vanadium pentoxide (V ₂ O ₅) hollow microspheres from nanorods and their application in lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4391-5	16.4	782
631	Acute toxicological effects of copper nanoparticles in vivo. <i>Toxicology Letters</i> , 2006 , 163, 109-20	4.4	691
630	Pt hollow nanospheres: facile synthesis and enhanced electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1540-3	16.4	631
629	Cobalt in Nitrogen-Doped Graphene as Single-Atom Catalyst for High-Sulfur Content Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3977-3985	16.4	626
628	LiFePO ₄ Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy-Storage Devices. <i>Advanced Materials</i> , 2009 , 21, 2710-2714	24	597
627	Rutile-TiO ₂ nanocoating for a high-rate Li ₄ Ti ₅ O ₁₂ anode of a lithium-ion battery. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7874-9	16.4	551
626	Electronic and Morphological Dual Modulation of Cobalt Carbonate Hydroxides by Mn Doping toward Highly Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8320-8328	16.4	546
625	Space-confinement-induced synthesis of pyridinic- and pyrrolic-nitrogen-doped graphene for the catalysis of oxygen reduction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11755-9	16.4	538
624	Mass production and high photocatalytic activity of ZnS nanoporous nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1269-73	16.4	511

623	Nanocarbon networks for advanced rechargeable lithium batteries. <i>Accounts of Chemical Research</i> , 2012 , 45, 1759-69	24.3	488
622	Zn-Cu-In-Se Quantum Dot Solar Cells with a Certified Power Conversion Efficiency of 11.6%. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4201-9	16.4	476
621	Pomegranate-like N,P-Doped Mo ₂ C@C Nanospheres as Highly Active Electrocatalysts for Alkaline Hydrogen Evolution. <i>ACS Nano</i> , 2016 , 10, 8851-60	16.7	451
620	A high-energy room-temperature sodium-sulfur battery. <i>Advanced Materials</i> , 2014 , 26, 1261-5	24	446
619	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1505-1509	16.4	438
618	Controllable Pt nanoparticle deposition on carbon nanotubes as an anode catalyst for direct methanol fuel cells. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22212-6	3.4	434
617	Improving the electrode performance of Ge through Ge@C core-shell nanoparticles and graphene networks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2512-5	16.4	411
616	3D Flowerlike Ceria Micro/Nanocomposite Structure and Its Application for Water Treatment and CO Removal. <i>Chemistry of Materials</i> , 2007 , 19, 1648-1655	9.6	410
615	Self-Assembled Nanocomposite of Silicon Nanoparticles Encapsulated in Graphene through Electrostatic Attraction for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2012 , 2, 1086-1090	21.8	401
614	Watermelon-Inspired Si/C Microspheres with Hierarchical Buffer Structures for Densely Compacted Lithium-Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2017 , 7, 1601481	21.8	397
613	Facile synthesis of silicon nanoparticles inserted into graphene sheets as improved anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 2198-200	5.8	379
612	Nanostructured polyaniline-decorated Pt/C@PANI core-shell catalyst with enhanced durability and activity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13252-5	16.4	373
611	Cascade anchoring strategy for general mass production of high-loading single-atomic metal-nitrogen catalysts. <i>Nature Communications</i> , 2019 , 10, 1278	17.4	368
610	MoS ₂ /CdS Nanosheets-on-Nanorod Heterostructure for Highly Efficient Photocatalytic H ₂ Generation under Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15258-66	9.5	358
609	Sulfur Encapsulated in Graphitic Carbon Nanocages for High-Rate and Long-Cycle Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2016 , 28, 9539-9544	24	341
608	A Sandwich-Like Hierarchically Porous Carbon/Graphene Composite as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1301584	21.8	341
607	Mono dispersed SnO ₂ nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5462		338
606	Suppressing the P ₂ -O ₂ Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7445-9	16.4	330

- 605 Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. *Journal of the American Chemical Society*, **2017**, 139, 5916-5922 16.4 329
- 604 Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. *Journal of the American Chemical Society*, **2016**, 138, 15825-15828 16.4 329
- 603 On-surface synthesis of single-layered two-dimensional covalent organic frameworks via solid-vapor interface reactions. *Journal of the American Chemical Society*, **2013**, 135, 10470-4 16.4 322
- 602 Hierarchically structured cobalt oxide (Co₃O₄): the morphology control and its potential in sensors. *Journal of Physical Chemistry B*, **2006**, 110, 15858-63 3.4 320
- 601 Uniform Lithium Nucleation/Growth Induced by Lightweight Nitrogen-Doped Graphitic Carbon Foams for High-Performance Lithium Metal Anodes. *Advanced Materials*, **2018**, 30, 1706216 24 315
- 600 Self-Templated Fabrication of MoNi /MoO Nanorod Arrays with Dual Active Components for Highly Efficient Hydrogen Evolution. *Advanced Materials*, **2017**, 29, 1703311 24 300
- 599 Subzero-Temperature Cathode for a Sodium-Ion Battery. *Advanced Materials*, **2016**, 28, 7243-8 24 299
- 598 Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. *Journal of the American Chemical Society*, **2018**, 140, 82-85 16.4 299
- 597 Carbon-Nanotube-Decorated Nano-LiFePO₄ @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. *Advanced Energy Materials*, **2013**, 3, 1155-1160 21.8 294
- 596 Three-dimensional self-organization of supramolecular self-assembled porphyrin hollow hexagonal nanoprisms. *Journal of the American Chemical Society*, **2005**, 127, 17090-5 16.4 287
- 595 A room-temperature reactive-template route to mesoporous ZnGa₂O₄ with improved photocatalytic activity in reduction of CO₂. *Angewandte Chemie - International Edition*, **2010**, 49, 6400-4 16.4 286
- 594 Se-Doping Activates FeOOH for Cost-Effective and Efficient Electrochemical Water Oxidation. *Journal of the American Chemical Society*, **2019**, 141, 7005-7013 16.4 279
- 593 Synthesis of MoS₂ nanosheet-graphene nanosheet hybrid materials for stable lithium storage. *Chemical Communications*, **2013**, 49, 1838-40 5.8 276
- 592 Highly Dispersed RuO₂ Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. *Journal of Physical Chemistry C*, **2010**, 114, 2448-2451 3.8 274
- 591 Gold hollow nanospheres: tunable surface plasmon resonance controlled by interior-cavity sizes. *Journal of Physical Chemistry B*, **2005**, 109, 7795-800 3.4 274
- 590 Cu-Si nanocable arrays as high-rate anode materials for lithium-ion batteries. *Advanced Materials*, **2011**, 23, 4415-20 24 266
- 589 High-Capacity Cathode Material with High Voltage for Li-Ion Batteries. *Advanced Materials*, **2018**, 30, 1705575 24 256
- 588 Introducing Dual Functional CNT Networks into CuO Nanomicrospheres toward Superior Electrode Materials for Lithium-Ion Batteries. *Chemistry of Materials*, **2008**, 20, 3617-3622 9.6 255

587	Ionothermal synthesis of sulfur-doped porous carbons hybridized with graphene as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 10663-5	5.8	252
586	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. <i>Joule</i> , 2017 , 1, 563-575	27.8	243
585	Molecular Orientation and Ordered Structure of Benzenethiol Adsorbed on Gold(111). <i>Journal of Physical Chemistry B</i> , 2000 , 104, 3563-3569	3.4	242
584	Facile synthesis of MoS ₂ @CMK-3 nanocomposite as an improved anode material for lithium-ion batteries. <i>Nanoscale</i> , 2012 , 4, 5868-71	7.7	225
583	Synthesis of monodispersed wurtzite structure CuInSe ₂ nanocrystals and their application in high-performance organic-inorganic hybrid photodetectors. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12218-21	16.4	221
582	Designing Air-Stable O ₃ -Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8440-8443	16.4	219
581	Superior radical polymer cathode material with a two-electron process redox reaction promoted by graphene. <i>Energy and Environmental Science</i> , 2012 , 5, 5221-5225	35.4	207
580	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni B for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6572-6577	16.4	206
579	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for High-Voltage Lithium Metal Batteries. <i>Advanced Materials</i> , 2019 , 31, e1807789	24	205
578	Controlling the Compositional Chemistry in Single Nanoparticles for Functional Hollow Carbon Nanospheres. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13492-13498	16.4	202
577	Fabricating and controlling molecular self-organization at solid surfaces: studies by scanning tunneling microscopy. <i>Accounts of Chemical Research</i> , 2006 , 39, 334-42	24.3	202
576	Fe ₂ O ₃ Nanostructures: Inorganic Salt-Controlled Synthesis and Their Electrochemical Performance toward Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16824-16829	3.8	200
575	Anisotropic photoresponse properties of single micrometer-sized GeSe nanosheet. <i>Advanced Materials</i> , 2012 , 24, 4528-33	24	196
574	Research progress regarding Si-based anode materials towards practical application in high energy density Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1691-1708	7.8	193
573	Engineering Hollow Carbon Architecture for High-Performance K-Ion Battery Anode. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7127-7134	16.4	186
572	Degradation Chemistry and Stabilization of Exfoliated Few-Layer Black Phosphorus in Water. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7561-7567	16.4	185
571	Symbiotic Coaxial Nanocables: Facile Synthesis and an Efficient and Elegant Morphological Solution to the Lithium Storage Problem. <i>Chemistry of Materials</i> , 2010 , 22, 1908-1914	9.6	185
570	Electrochemical sensor for detecting ultratrace nitroaromatic compounds using mesoporous SiO ₂ -modified electrode. <i>Analytical Chemistry</i> , 2006 , 78, 1967-71	7.8	184

569	Embedding Pt Nanocrystals in N-Doped Porous Carbon/Carbon Nanotubes toward Highly Stable Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2015 , 5, 2903-2909	13.1	182
568	Electrochemical (de)lithiation of 1D sulfur chains in Li-S batteries: a model system study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2215-8	16.4	179
567	Space-Confinement-Induced Synthesis of Pyridinic- and Pyrrolic-Nitrogen-Doped Graphene for the Catalysis of Oxygen Reduction. <i>Angewandte Chemie</i> , 2013 , 125, 11971-11975	3.6	174
566	Atomic Structure of Adsorbed Sulfate on Rh(111) in Sulfuric Acid Solution. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 9507-9513		174
565	Insight into the Effect of Oxygen Vacancy Concentration on the Catalytic Performance of MnO ₂ . <i>ACS Catalysis</i> , 2015 , 5, 4825-4832	13.1	171
564	SnO ₂ -Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14213-14219	3.8	171
563	Graphene-like single-layered covalent organic frameworks: synthesis strategies and application prospects. <i>Advanced Materials</i> , 2014 , 26, 6912-20	24	170
562	Template-Induced Inclusion Structures with Copper(II) Phthalocyanine and Coronene as Guests in Two-Dimensional Hydrogen-Bonded Host Networks. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5161-5165	24	168
561	GeSe Thin-Film Solar Cells Fabricated by Self-Regulated Rapid Thermal Sublimation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 958-965	16.4	167
560	In-situ plasticized polymer electrolyte with double-network for flexible solid-state lithium-metal batteries. <i>Energy Storage Materials</i> , 2018 , 10, 85-91	19.4	165
559	Construction and repair of highly ordered 2D covalent networks by chemical equilibrium regulation. <i>Chemical Communications</i> , 2012 , 48, 2943-5	5.8	163
558	Rational design of anode materials based on Group IVA elements (Si, Ge, and Sn) for lithium-ion batteries. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1948-58	4.5	163
557	Lithium-Schwefel-Batterien: Elektrochemie, Materialien und Perspektiven. <i>Angewandte Chemie</i> , 2013 , 125, 13426-13441	3.6	163
556	Electrospray Synthesis of Silicon/Carbon Nanoporous Microspheres as Improved Anode Materials for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14148-14154	3.8	163
555	Surface confined metallosupramolecular architectures: formation and scanning tunneling microscopy characterization. <i>Accounts of Chemical Research</i> , 2009 , 42, 249-59	24.3	163
554	Engineering Janus Interfaces of Ceramic Electrolyte via Distinct Functional Polymers for Stable High-Voltage Li-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9165-9169	16.4	161
553	Characterization of surface property of poly(lactide-co-glycolide) after oxygen plasma treatment. <i>Biomaterials</i> , 2004 , 25, 4777-83	15.6	159
552	Recent developments in electrode materials for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4334-4352	13	155

551	Polar Solvent Induced Lattice Distortion of Cubic CsPbI Nanocubes and Hierarchical Self-Assembly into Orthorhombic Single-Crystalline Nanowires. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11705-11715	16.4	154
550	Mass Production and High Photocatalytic Activity of ZnS Nanoporous Nanoparticles. <i>Angewandte Chemie</i> , 2005 , 117, 1295-1299	3.6	154
549	Electrospun silicon nanoparticle/porous carbon hybrid nanofibers for lithium-ion batteries. <i>Small</i> , 2013 , 9, 2684-8	11	153
548	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20138-46	9.5	151
547	In-Situ Loading of Noble Metal Nanoparticles on Hydroxyl-Group-Rich Titania Precursor and Their Catalytic Applications. <i>Chemistry of Materials</i> , 2007 , 19, 4557-4562	9.6	151
546	General Space-Confined On-Substrate Fabrication of Thickness-Adjustable Hybrid Perovskite Single-Crystalline Thin Films. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16196-16199	16.4	145
545	Microscopic Investigation of Grain Boundaries in Organolead Halide Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28518-23	9.5	145
544	Synergism of Al-containing solid electrolyte interphase layer and Al-based colloidal particles for stable lithium anode. <i>Nano Energy</i> , 2017 , 36, 411-417	17.1	143
543	Facile synthesis of nanoporous anatase spheres and their environmental applications. <i>Chemical Communications</i> , 2008 , 1184-6	5.8	139
542	Antioxidative function and biodistribution of [Gd@C82(OH)22]n nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , 2006 , 71, 872-81	6	138
541	Well-dispersed bi-component-active CoO/CoFe2O4 nanocomposites with tunable performances as anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 410-2	5.8	137
540	Direct evidence of molecular aggregation and degradation mechanism of organic light-emitting diodes under joule heating: an STM and photoluminescence study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1675-82	3.4	137
539	Mitigating Interfacial Potential Drop of Cathode-Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6767-6770	16.4	137
538	Efficient 3D conducting networks built by graphene sheets and carbon nanoparticles for high-performance silicon anode. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2824-8	9.5	133
537	Robust Expandable Carbon Nanotube Scaffold for Ultrahigh-Capacity Lithium-Metal Anodes. <i>Advanced Materials</i> , 2018 , 30, e1800884	24	132
536	Confined Synthesis of Two-Dimensional Covalent Organic Framework Thin Films within Superspreading Water Layer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12152-12158	16.4	131
535	Biodegradable, Hydrogen Peroxide, and Glutathione Dual Responsive Nanoparticles for Potential Programmable Paclitaxel Release. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7373-7376	16.4	129
534	Air-Stable In-Plane Anisotropic GeSe for Highly Polarization-Sensitive Photodetection in Short Wave Region. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4150-4156	16.4	125

533	In Situ One-Step Method for Preparing Carbon Nanotubes and Pt Composite Catalysts and Their Performance for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11174-11179	3.8	125
532	A robust composite of SnO ₂ hollow nanospheres enwrapped by graphene as a high-capacity anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17456		123
531	Pt Hollow Nanospheres: Facile Synthesis and Enhanced Electrocatalysts. <i>Angewandte Chemie</i> , 2004 , 116, 1566-1569	3.6	121
530	Surface Stabilized Porphyrin and Phthalocyanine Two-Dimensional Network Connected by Hydrogen Bonds. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10838-10841	3.4	118
529	Controllable AuPt bimetallic hollow nanostructures. <i>Chemical Communications</i> , 2004 , 1496-7	5.8	117
528	Better lithium-ion batteries with nanocable-like electrode materials. <i>Energy and Environmental Science</i> , 2011 , 4, 1634	35.4	114
527	Oriented Covalent Organic Framework Film on Graphene for Robust Ambipolar Vertical Organic Field-Effect Transistor. <i>Chemistry of Materials</i> , 2017 , 29, 4367-4374	9.6	113
526	Rational design and electron transfer kinetics of MoS ₂ /CdS nanodots-on-nanorods for efficient visible-light-driven hydrogen generation. <i>Nano Energy</i> , 2016 , 28, 319-329	17.1	113
525	High-safety lithium-sulfur battery with prelithiated Si/C anode and ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2013 , 91, 58-61	6.7	113
524	Orientalional Phase Transition in a Pyridine Adlayer on Gold(111) in Aqueous Solution Studied by in Situ Infrared Spectroscopy and Scanning Tunneling Microscopy. <i>Langmuir</i> , 1998 , 14, 6992-6998	4	113
523	Core-shell structured TiO ₂ @polydopamine for highly active visible-light photocatalysis. <i>Chemical Communications</i> , 2016 , 52, 7122-5	5.8	113
522	Infrared Absorption Enhancement for CO Adsorbed on Au Films in Perchloric Acid Solutions and Effects of Surface Structure Studied by Cyclic Voltammetry, Scanning Tunneling Microscopy, and Surface-Enhanced IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 2460-2466	3.4	112
521	ITO@Cu ₂ S tunnel junction nanowire arrays as efficient counter electrode for quantum-dot-sensitized solar cells. <i>Nano Letters</i> , 2014 , 14, 365-72	11.5	111
520	Photoacoustic Imaging Guided Near-Infrared Photothermal Therapy Using Highly Water-Dispersible Single-Walled Carbon Nanohorns as Theranostic Agents. <i>Advanced Functional Materials</i> , 2014 , 24, 6621-6628	15.6	111
519	Hierarchical Nanowire Arrays as Three-Dimensional Fractal Nanobiointerfaces for High Efficient Capture of Cancer Cells. <i>Nano Letters</i> , 2016 , 16, 766-72	11.5	109
518	Globally homochiral assembly of two-dimensional molecular networks triggered by co-absorbers. <i>Nature Communications</i> , 2013 , 4, 1389	17.4	109
517	Wurtzite Cu ₂ ZnSnSe ₄ nanocrystals for high-performance organic/inorganic hybrid photodetectors. <i>NPG Asia Materials</i> , 2012 , 4, e2-e2	10.3	109
516	Facile Synthesis of Mesoporous TiO ₂ Nanosphere as an Improved Anode Material for Superior High Rate 1.5 V Rechargeable Li Ion Batteries Containing LiFePO ₄ Cathode. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10308-10313	3.8	109

515	Insights into the mechanism of methanol-to-olefin conversion at zeolites with systematically selected framework structures. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6512-5	16.4	106
514	Specific aptamer-protein interaction studied by atomic force microscopy. <i>Analytical Chemistry</i> , 2003 , 75, 2112-6	7.8	106
513	Spin-coated silicon nanoparticle/graphene electrode as a binder-free anode for high-performance lithium-ion batteries. <i>Nano Research</i> , 2012 , 5, 845-853	10	105
512	Room Temperature Ionic Liquids Assisted Green Synthesis of Nanocrystalline Porous SnO ₂ and Their Gas Sensor Behaviors. <i>Crystal Growth and Design</i> , 2008 , 8, 4165-4172	3.5	105
511	Ordered Ni/Cu Nanowire Array with Enhanced Coercivity. <i>Chemistry of Materials</i> , 2003 , 15, 664-667	9.6	105
510	In Situ Scanning Tunneling Microscopy of Benzene, Naphthalene, and Anthracene Adsorbed on Cu(111) in Solution. <i>Langmuir</i> , 1997 , 13, 7173-7179	4	104
509	In situ scanning tunneling microscopy of adsorbed sulfate on well-defined Pd(111) in sulfuric acid solution. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 484, 189-193	4.1	102
508	Formation of Halogen Bond-Based 2D Supramolecular Assemblies by Electric Manipulation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6128-31	16.4	100
507	TiO ₂ -Based Composite Nanotube Arrays Prepared via Layer-by-Layer Assembly. <i>Advanced Functional Materials</i> , 2005 , 15, 196-202	15.6	99
506	High performance photodetectors of individual InSe single crystalline nanowire. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15602-3	16.4	98
505	Wet Chemistry Synthesis of Multidimensional Nanocarbon-Sulfur Hybrid Materials with Ultrahigh Sulfur Loading for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3584-90	9.5	97
504	Configurations of a calix[8]arene and a C ₆₀ /calix[8]arene complex on a Au(111) surface. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2747-51	16.4	96
503	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 18051-18057	16.4	96
502	Potential-Induced Phase Transition of Trimesic Acid Adlayer on Au(111). <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1931-1937	3.4	95
501	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20 % Average Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10959-10965	16.4	95
500	Direct tracking of the polysulfide shuttling and interfacial evolution in all-solid-state lithium-sulfur batteries: a degradation mechanism study. <i>Energy and Environmental Science</i> , 2019 , 12, 2496-2506	35.4	94
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