Li Song

List of Publications by Year in Descending Order

476 papers	32,949 citations	92 h-index	167 g-index
494 ext. papers	40,143 ext. citations	10.8 avg, IF	7.44 L-index

#	Paper	IF	Citations
476	A Flexible Aqueous Zinc-Iodine Micro-battery with Unprecedented Energy Density.. *Advanced Materials*, **2022**, e2109450	24	3
475	Ppm-level Cu dopant on ultrathin Pd nanosheets/TiO2 for highly enhanced photocatalytic alcoholysis of epoxides. *Applied Catalysis B: Environmental*, **2022**, 121211	21.8	0
474	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis.. *Journal of the American Chemical Society*, **2022**,	16.4	21
473	Structural investigation of metallic Ni nanoparticles with N-doped carbon for efficient oxygen evolution reaction. *Chemical Engineering Journal*, **2022**, 429, 132122	14.7	6
472	Enabling High Loading in Single-Atom Catalysts on Bare Substrate with Chemical Scissors by Saturating the Anchoring Sites.. *Small*, **2022**, e2200073	11	3
471	Coexistence of the hourglass and nodal-line dispersions in NbSiTe revealed by ARPES.. *IScience*, **2022**, 25, 103952	6.1	
470	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis.. *Science Advances*, **2022**, 8, eabn5091	14.3	14
469	Dynamically Formed Surfactant Assembly at the Electrified Electrode-Electrolyte Interface Boosting CO Electroreduction.. *Journal of the American Chemical Society*, **2022**,	16.4	12
468	Structural Reconstruction of Cu O Superparticles toward Electrocatalytic CO Reduction with High C Products Selectivity.. *Advanced Science*, **2022**, e2105292	13.6	6
467	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions.. *ACS Nano*, **2022**,	16.7	12
466	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions.. *Nature Communications*, **2022**, 13, 1863	17.4	6
465	Achieving high-efficient urea oxidation via regulating the rate-determining step over a V single atom incorporated Co hydroxide electrocatalyst. *Chemical Engineering Journal*, **2022**, 439, 135768	14.7	3
464	Synergetic Chemistry and Interface Engineering of Hydrogel Electrolyte to Strengthen Durability of Solid-State Zn-Air Batteries.. *Small Methods*, **2022**, 6, e2101276	12.8	7
463	Synergic Reaction Kinetics over Adjacent Ruthenium Sites for Superb Hydrogen Generation in Alkaline Media.. *Advanced Materials*, **2022**, e2110604	24	4
462	Triggering electronic coupling between neighbouring hetero-diatomic metal sites promotes hydrogen evolution reaction kinetics. *Nano Energy*, **2022**, 107296	17.1	3
461	In Situ Architecting Endogenous Heterojunction of MoS Coupling with Mo CT MXenes for Optimized Li Storage. *Advanced Materials*, **2021**, 34, e2108809	24	3
460	Defect engineering on VO cathode for long-cycling aqueous zinc metal batteries. *Nature Communications*, **2021**, 12, 6878	17.4	13

459	Support Effects in Electrocatalysis and Their Synchrotron Radiation-Based Characterizations. *Journal of Physical Chemistry Letters*, **2021**, 12, 11543-11554	6.4	0
458	Superconducting properties and topological nodal lines features in centrosymmetric Sn0.5TaSe2. *Nano Research*, **2021**, 14, 2613-2619	10	1
457	Pd-Modified ZnO-Au Enabling Alkoxy Intermediates Formation and Dehydrogenation for Photocatalytic Conversion of Methane to Ethylene. *Journal of the American Chemical Society*, **2021**, 143, 269-278	16.4	43
456	Determination of ascorbic acid using electrochemiluminescence sensor based on nitrogen and sulfur doping graphene quantum dots with luminol as internal standard. *Mikrochimica Acta*, **2021**, 188, 120	5.8	7
455	Interfacial engineering of heterogeneous catalysts for electrocatalysis. *Materials Today*, **2021**, 48, 115-115	21.8	15
454	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO3 Nanobar Arrays. *Angewandte Chemie*, **2021**, 133, 9443-9447	3.6	4
453	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. *Science Advances*, **2021**, 7,	14.3	25
452	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO Nanobar Arrays. *Angewandte Chemie - International Edition*, **2021**, 60, 9357-9361	16.4	24
451	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. *Journal of the American Chemical Society*, **2021**, 143, 5201-5211	16.4	98
450	HCl-Based Hydrothermal Etching Strategy toward Fluoride-Free MXenes. *Advanced Materials*, **2021**, 33, e2101015	24	22
449	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. *Angewandte Chemie - International Edition*, **2021**, 60, 16085-16092	16.4	37
448	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. *Angewandte Chemie*, **2021**, 133, 16221-16228	3.6	4
447	Tailoring Unsymmetrical-Coordinated Atomic Site in Oxide-Supported Pt Catalysts for Enhanced Surface Activity and Stability. *Small*, **2021**, 17, e2101008	11	4
446	Single-Crystal Inorganic Helical Architectures Induced by Asymmetrical Defects in Sub-Nanometric Wires. *Journal of the American Chemical Society*, **2021**, 143, 9858-9865	16.4	4
445	Boosting hydrogen evolution reaction on few-layer graphdiyne by sp-N and B co-doping. *APL Materials*, **2021**, 9, 071102	5.7	8
444	Cortical thickness distinguishes between major depression and schizophrenia in adolescents. *BMC Psychiatry*, **2021**, 21, 361	4.2	1
443	Regulating the electronic structure of CoP nanoflowers by molybdenum incorporation for enhanced lithium and sodium storage. *Journal of Power Sources*, **2021**, 500, 229975	8.9	5
442	Robust and High Photoluminescence in WS2 Monolayer through In Situ Defect Engineering. *Advanced Functional Materials*, **2021**, 31, 2105339	15.6	7

441	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3□V Output Voltage. *Advanced Energy Materials*, **2021**, 11, 2101523	21.8	10
440	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. *Nano Energy*, **2021**, 79, 105429	17.1	45
439	Anomalous self-optimization of sulfate ions for boosted oxygen evolution reaction. *Science Bulletin* , **2021**, 66, 553-561	10.6	13
438	Improving hydrogen evolution reaction performance by combining ditungsten carbide and nitrogen-doped graphene: A first-principles study. *Carbon*, **2021**, 172, 122-131	10.4	8
437	MOF-derived Co-MOF,O-doped carbon as trifunctional electrocatalysts to enable highly efficient Zn□air batteries and water-splitting. *Journal of Energy Chemistry*, **2021**, 56, 290-298	12	41
436	Operando X-ray spectroscopy visualizing the chameleon-like structural reconstruction on an oxygen evolution electrocatalyst. *Energy and Environmental Science*, **2021**, 14, 906-915	35.4	37
435	Rostral middle frontal gyrus thickness mediates the relationship between genetic risk and neuroticism trait. *Psychophysiology*, **2021**, 58, e13728	4.1	2
434	Tracking structural evolution: regenerative CeO/Bi interface structure for high-performance CO electroreduction. *National Science Review*, **2021**, 8, nwaa187	10.8	17
433	Stretchable supercapacitor at □0 □C. *Energy and Environmental Science*, **2021**, 14, 3075-3085	35.4	45
432	Facile modulation of different vacancies in ZnS nanoplates for efficient solar fuel production. *Journal of Materials Chemistry A*, **2021**, 9, 7977-7990	13	9
431	Manganese buffer induced high-performance disordered MnVO cathodes in zinc batteries. *Energy and Environmental Science*, **2021**, 14, 3954-3964	35.4	21
430	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (TiCCl) for Efficient CO Electroreduction to Methanol. *ACS Nano*, **2021**, 15, 4927-4936	16.7	41
429	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Core-Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. *Journal of the American Chemical Society*, **2021**, 143, 11262-11270	16.4	18
428	Heteroatom sulfur-induced defect engineering in carbon nanotubes: Enhanced electrocatalytic activity of oxygen reduction reaction. *Carbon*, **2021**, 180, 31-40	10.4	9
427	Novel Enhanced Lanthanide Electrochemiluminescence Luminophores: Ce-Doped TbPO Facile Synthesis and Detection for Mucin1. *Analytical Chemistry*, **2021**, 93, 12289-12295	7.8	2
426	Ultrasensitive dual-quenching electrochemiluminescence immunosensor for prostate specific antigen detection based on graphitic carbon nitride quantum dots as an emitter. *Mikrochimica Acta*, **2021**, 188, 350	5.8	1
425	Limiting the Uncoordinated N Species in M-N Single-Atom Catalysts toward Electrocatalytic CO Reduction in Broad Voltage Range. *Advanced Materials*, **2021**, e2104090	24	11
424	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. *Advanced Materials*, **2021**, 33, e2105480	24	7

423	Selective N2/H2O adsorption onto 2D amphiphilic amorphous photocatalysts for ambient gas-phase nitrogen fixation. *Applied Catalysis B: Environmental*, **2021**, 294, 120240	21.8	3
422	The modulating effect of N coordination on single-atom catalysts researched by Pt-N -C model through both experimental study and DFT simulation. *Journal of Materials Science and Technology*, **2021**, 91, 160-167	9.1	11
421	Functionalized europium-porphyrin coordination polymer: Rational design of high performance electrochemiluminescence emitter for mucin 1 sensing. *Biosensors and Bioelectronics*, **2021**, 191, 113422	11.8	3
420	Manipulating and probing the structural self-optimization in oxygen evolution reaction catalysts. *Current Opinion in Electrochemistry*, **2021**, 30, 100788	7.2	5
419	Self-optimizing iron phosphorus oxide for stable hydrogen evolution at high current. *Applied Catalysis B: Environmental*, **2021**, 298, 120559	21.8	2
418	Synergistic Ice Inhibition Effect Enhances Rapid Freezing Cryopreservation with Low Concentration of Cryoprotectants. *Advanced Science*, **2021**, 8, 2003387	13.6	10
417	Working-in-tandem mechanism of multi-dopants in enhancing electrocatalytic nitrogen reduction reaction performance of carbon-based materials. *Nano Research*, **2021**, 14, 3234-3239	10	6
416	A Superstable Luminescent Lanthanide Metal Organic Gel Utilized in an Electrochemiluminescence Sensor for Epinephrine Detection with a Narrow Potential Sweep Range. *ACS Sensors*, **2021**, 6, 252-258	9.2	24
415	Nano-Sized Au Particle-Modified Carbon Nanotubes as an Effective and Stable Cathode for Li□O2 Batteries. *European Journal of Inorganic Chemistry*, **2021**, 2021, 590-596	2.3	6
414	Electrochemical Nitrate Production Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets.. *ACS Nano*, **2021**,	16.7	3
413	3D VCT-rGO Architectures with Optimized Ion Transport Channels toward Fast Lithium-Ion Storage.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61258-61266	9.5	1
412	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. *ACS Nano*, **2020**,	16.7	19
411	Surface selectivity of NiS toward hydrogen evolution reaction: a first-principles study. *Physical Chemistry Chemical Physics*, **2020**, 22, 25685-25694	3.6	6
410	Ternary MoSeTe alloy with tunable band gap for electronic and optoelectronic transistors. *Nanotechnology*, **2020**, 31, 345704	3.4	1
409	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. *Advanced Materials*, **2020**, 32, e2001755	24	136
408	Conversion of Intercalated MoO to Multi-Heteroatoms-Doped MoS with High Hydrogen Evolution Activity. *Advanced Materials*, **2020**, 32, e2001167	24	41
407	A Directional Synthesis for Topological Defect in Carbon. *CheM*, **2020**, 6, 2009-2023	16.2	49
406	A Hydrogenated Metal Oxide with Full Solar Spectrum Absorption for Highly Efficient Photothermal Water Evaporation. *Journal of Physical Chemistry Letters*, **2020**, 11, 2502-2509	6.4	22

405	Structural Designs and in-situ X-ray Characterizations of Metal Phosphides for Electrocatalysis. *ChemCatChem*, **2020**, 12, 3621-3638	5.2	9
404	Boosting Photocatalytic Activity in Cross-Coupling Reactions by Constructing Pd-Oxide Heterostructures. *ChemNanoMat*, **2020**, 6, 920-924	3.5	2
403	Edge-Rich Fe-N Active Sites in Defective Carbon for Oxygen Reduction Catalysis. *Advanced Materials*, **2020**, 32, e2000966	24	113
402	On the nature of Pt-carbon interactions for enhanced hydrogen generation. *Journal of Catalysis*, **2020**, 389, 492-501	7.3	7
401	Electronic Structures of Cr-Intercalated ZrTe2 Revealed by Angle-Resolved Photoemission Spectroscopy. *Journal of Physical Chemistry C*, **2020**, 124, 16561-16567	3.8	9
400	Accelerating CO2 Electroreduction to CO Over Pd Single-Atom Catalyst. *Advanced Functional Materials*, **2020**, 30, 2000407	15.6	77
399	Sulfur Atomically Doped Bismuth Nanobelt Driven by Electrochemical Self-Reconstruction for Boosted Electrocatalysis. *Journal of Physical Chemistry Letters*, **2020**, 11, 1746-1752	6.4	17
398	Achieving Efficient Alkaline Hydrogen Evolution Reaction over a Ni P Catalyst Incorporating Single-Atomic Ru Sites. *Advanced Materials*, **2020**, 32, e1906972	24	150
397	A non-rigid shift of band dispersions induced by Cu intercalation in 2H-TaSe2. *Nano Research*, **2020**, 13, 353-357	10	5
396	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. *Nature*, **2020**, 577, 492-496	50.4	76
395	Tuning 2D MXenes by Surface Controlling and Interlayer Engineering: Methods, Properties, and Synchrotron Radiation Characterizations. *Advanced Functional Materials*, **2020**, 30, 2000869	15.6	52
394	A Unique Ru-N-P Coordinated Structure Synergistically Waking Up the Nonmetal P Active Site for Hydrogen Production. *Research*, **2020**, 2020, 5860712	7.8	5
393	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO2-to-CO conversion. *Applied Catalysis B: Environmental*, **2020**, 276, 119156	21.8	30
392	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zinc–Air Batteries. *Angewandte Chemie*, **2020**, 132, 292-300	3.6	17
391	N-Doped ordered porous carbon decorated with WN and Ni nanoparticles for enhanced electrocatalytic properties. *Journal of Porous Materials*, **2020**, 27, 719-726	2.4	2
390	Hierarchical hollow-structured anode for high-rate sodium-ion battery. *Journal of Solid State Chemistry*, **2020**, 283, 121159	3.3	3
389	Electrocatalytic reduction of N2 and nitrogen-incorporation process on dopant-free defect graphene. *Journal of Materials Chemistry A*, **2020**, 8, 55-61	13	14
388	Industriousness Moderates the Link Between Default Mode Network Subsystem and Creativity. *Neuroscience*, **2020**, 427, 92-104	3.9	4

387	Transition from Semimetal to Semiconductor in ZrTe Induced by Se Substitution. *ACS Nano*, **2020**, 14, 835-841	16.7	17
386	Electrochemical Conversion of CO2 to Syngas with Controllable CO/H2 Ratios over Co and Ni Single-Atom Catalysts. *Angewandte Chemie*, **2020**, 132, 3057-3061	3.6	12
385	Electrochemical Conversion of CO to Syngas with Controllable CO/H Ratios over Co and Ni Single-Atom Catalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 3033-3037	16.4	110
384	Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N2 fixation. *Nano Energy*, **2020**, 78, 105283	17.1	21
383	Atomic-Level Insights into the Edge Active ReS2 Ultrathin Nanosheets for High-Efficiency Light-to-Hydrogen Conversion **2020**, 2, 1484-1494		35
382	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. *Advanced Energy Materials*, **2020**, 10, 2002215	21.8	73
381	High-power lithium-selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. *Nature Communications*, **2020**, 11, 5025	17.4	84
380	Rational design of hierarchical FeSe encapsulated with bifunctional carbon cuboids as an advanced anode for sodium-ion batteries. *Nanoscale*, **2020**, 12, 22210-22216	7.7	12
379	Strain-Engineering of Bi12O17Br2 Nanotubes for Boosting Photocatalytic CO2 Reduction **2020**, 2, 1025-1032		38
378	Stepwise Hollow Prussian Blue Nanoframes/Carbon Nanotubes Composite Film as Ultrahigh Rate Sodium Ion Cathode. *Advanced Functional Materials*, **2020**, 30, 2002624	15.6	13
377	Structural Regulation and Support Coupling Effect of Single-Atom Catalysts for Heterogeneous Catalysis. *Advanced Energy Materials*, **2020**, 10, 2001482	21.8	71
376	Hydrogen-Doping-Induced Metal-Like Ultrahigh Free-Carrier Concentration in Metal-Oxide Material for Giant and Tunable Plasmon Resonance. *Advanced Materials*, **2020**, 32, e2004059	24	21
375	Regulating surface state of WO3 nanosheets by gamma irradiation for suppressing hydrogen evolution reaction in electrochemical N2 fixation. *Nano Research*, **2020**, 13, 2784-2790	10	12
374	Boosting Electrocatalytic Ammonia Production through Mimicking □Back-Donation□ *CheM*, **2020**, 6, 2690-2702	16.2	52
373	Electrocatalytic Synthesis of Hydrogen Peroxide over Au/TiO and Electrochemical Trace of OOH* Intermediate. *Chemistry - an Asian Journal*, **2020**, 15, 4280-4285	4.5	1
372	Design of CuInS2 hollow nanostructures toward CO2 electroreduction. *Science China Chemistry*, **2020**, 63, 1721-1726	7.9	12
371	CdPS nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. *Science*, **2020**, 370, 596-600	33.3	36
370	Electrochemically Induced Metal□Organic-Framework-Derived Amorphous V2O5 for Superior Rate Aqueous Zinc-Ion Batteries. *Angewandte Chemie*, **2020**, 132, 22186-22190	3.6	12

369	Confined Fe-Cu Clusters as Sub-Nanometer Reactors for Efficiently Regulating the Electrochemical Nitrogen Reduction Reaction. *Advanced Materials*, **2020**, 32, e2004382	24	69
368	Multiphonon Raman Scattering and Strong Electron-Phonon Coupling in 2D Ternary CuMoS Nanoflakes. *Journal of Physical Chemistry Letters*, **2020**, 11, 8483-8489	6.4	3
367	Electrochemically Induced Metal-Organic-Framework-Derived Amorphous V O for Superior Rate Aqueous Zinc-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 22002-22006	16.4	99
366	Computational Screening toward Hydrogen Evolution Reaction by the Introduction of Point Defects at the Edges of Group IVA Monochalcogenides: A First-Principles Study. *Journal of Physical Chemistry Letters*, **2020**, 11, 7664-7671	6.4	12
365	Integrating bimetallic AuPd nanocatalysts with a 2D aza-fused □conjugated microporous polymer for light-driven benzyl alcohol oxidation. *Chinese Chemical Letters*, **2020**, 31, 231-234	8.1	7
364	Cation-intercalated engineering and X-ray absorption spectroscopic characterizations of two dimensional MXenes. *Chinese Chemical Letters*, **2020**, 31, 969-979	8.1	8
363	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zinc-Air Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 286-294	16.4	117
362	Effects of the Openness to Experience Polygenic Score on Cortical Thickness and Functional Connectivity. *Frontiers in Neuroscience*, **2020**, 14, 607912	5.1	
361	Dial the Mechanism Switch of VN from Conversion to Intercalation toward Long Cycling Sodium-Ion Battery. *Advanced Energy Materials*, **2020**, 10, 1903712	21.8	48
360	Delaminating Vanadium Carbides for Zinc-Ion Storage: Hydrate Precipitation and H+/Zn2+ Co-Action Mechanism. *Small Methods*, **2019**, 3, 1900495	12.8	61
359	Recent Advances of Ternary Layered Cu2MX4 (M = Mo, W; X = S, Se) Nanomaterials for Photocatalysis. *Solar Rrl*, **2019**, 3, 1800320	7.1	14
358	Selective Selenium-Substituted Metallic MoTe2 toward Ternary Atomic Layers with Tunable Semiconducting Character. *Journal of Physical Chemistry C*, **2019**, 123, 24927-24933	3.8	7
357	Monoatomic Platinum-Anchored Metallic MoS: Correlation between Surface Dopant and Hydrogen Evolution. *Journal of Physical Chemistry Letters*, **2019**, 10, 6081-6087	6.4	36
356	Engineering the In-Plane Structure of Metallic Phase Molybdenum Disulfide Co and O Dopants toward Efficient Alkaline Hydrogen Evolution. *ACS Nano*, **2019**, 13, 11733-11740	16.7	41
355	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H Evolution. *ACS Nano*, **2019**, 13, 11294-11302	16.7	66
354	Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. *CheM*, **2019**, 5, 2865-2878	16.2	180
353	Atomically Thin Boron Nitride as an Ideal Spacer for Metal-Enhanced Fluorescence. *ACS Nano*, **2019**, 13, 12184-12191	16.7	14
352	Functional connectivity mediates the relationship between self-efficacy and curiosity. *Neuroscience Letters*, **2019**, 711, 134442	3.3	3

351	Two-dimensional Cobalt Oxy-hydrate Sulfide Nanosheets with Modified t2g Orbital State of CoO6 Octahedron for Efficient Overall Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17325-17334	8.3	7
350	Non-metal Single-Iodine-Atom Electrocatalysts for the Hydrogen Evolution Reaction. *Angewandte Chemie*, **2019**, 131, 12380-12385	3.6	19
349	Non-metal Single-Iodine-Atom Electrocatalysts for the Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2019**, 58, 12252-12257	16.4	127
348	Polygenic Score of Subjective Well-Being Is Associated with the Brain Morphology in Superior Temporal Gyrus and Insula. *Neuroscience*, **2019**, 414, 210-218	3.9	4
347	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2019**, 256, 117854	21.8	152
346	Atomically dispersed platinum supported on curved carbon supports for efficient electrocatalytic hydrogen evolution. *Nature Energy*, **2019**, 4, 512-518	62.3	419
345	Nitrogen Vacancies on 2D Layered W N : A Stable and Efficient Active Site for Nitrogen Reduction Reaction. *Advanced Materials*, **2019**, 31, e1902709	24	258
344	Atomically Dispersed Single Co Sites in Zeolitic Imidazole Frameworks Promoting High-Efficiency Visible-Light-Driven Hydrogen Production. *Chemistry - A European Journal*, **2019**, 25, 9670-9677	4.8	7
343	Breaking the volcano-plot limits for Pt-based electrocatalysts by selective tuning adsorption of multiple intermediates. *Journal of Materials Chemistry A*, **2019**, 7, 13635-13640	13	19
342	Self-Supported ZIF-Derived Co O Nanoparticles-Decorated Porous N-Doped Carbon Fibers as Oxygen Reduction Catalyst. *Chemistry - A European Journal*, **2019**, 25, 6807-6813	4.8	19
341	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2019**, 141, 7240-7244	16.4	123
340	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. *Journal of the American Chemical Society*, **2019**, 141, 7807-7814	16.4	151
339	Mesoporous Co3O4-Rods-Entangled Carbonized Polyaniline Nanotubes as an Efficient Cathode Material toward Stable Lithium Air Batteries. *ACS Applied Energy Materials*, **2019**, 2, 2939-2947	6.1	10
338	Framework-Porphyrin-Derived Single-Atom Bifunctional Oxygen Electrocatalysts and their Applications in Zn-Air Batteries. *Advanced Materials*, **2019**, 31, e1900592	24	179
337	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7062-7067	16.4	202
336	Atomically dispersed Fe-N-P-C complex electrocatalysts for superior oxygen reduction. *Applied Catalysis B: Environmental*, **2019**, 249, 306-315	21.8	55
335	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. *Angewandte Chemie*, **2019**, 131, 7136-7141	3.6	23
334	Recent Progress in Defective Carbon-Based Oxygen Electrode Materials for Rechargeable Zink-Air Batteries. *Batteries and Supercaps*, **2019**, 2, 509-523	5.6	26

333	Edge-Exposed Molybdenum Disulfide with N-Doped Carbon Hybridization: A Hierarchical Hollow Electrocatalyst for Carbon Dioxide Reduction. *Advanced Energy Materials*, **2019**, 9, 1900072	21.8	45
332	Engineering Ternary Pyrite-Type CoPS Nanosheets with an Ultrathin Porous Structure for Efficient Electrocatalytic Water Splitting. *ChemElectroChem*, **2019**, 6, 2852-2859	4.3	9
331	A two-dimensional metal-organic framework accelerating visible-light-driven H production. *Nanoscale*, **2019**, 11, 8304-8309	7.7	19
330	Beating the exclusion rule against the coexistence of robust luminescence and ferromagnetism in chalcogenide monolayers. *Nature Communications*, **2019**, 10, 1584	17.4	28
329	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. *Advanced Functional Materials*, **2019**, 29, 1900367	15.6	17
328	Syngas production from electrocatalytic CO2 reduction with high energetic efficiency and current density. *Journal of Materials Chemistry A*, **2019**, 7, 7675-7682	13	47
327	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. *Nature Communications*, **2019**, 10, 704	17.4	112
326	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. *ACS Energy Letters*, **2019**, 4, 805-810	20.1	188
325	Single-atom molybdenum immobilized on photoactive carbon nitride as efficient photocatalysts for ambient nitrogen fixation in pure water. *Journal of Materials Chemistry A*, **2019**, 7, 19831-19837	13	65
324	Single Nickel Atoms on Nitrogen-Doped Graphene Enabling Enhanced Kinetics of Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1903955	24	263
323	Spatially-controlled porous nanoflake arrays derived from MOFs: An efficiently long-life oxygen electrode. *Nano Research*, **2019**, 12, 2528-2534	10	10
322	In Situ Synthesis of Ultrathin Graphene-Like Nanosheets as a Highly Effective Oxygen Catalyst for Zinc‐Air Batteries. *ChemElectroChem*, **2019**, 6, 4010-4015	4.3	4
321	In situ synthesis of ultrasmall MnO nanoparticles encapsulated by a nitrogen-doped carbon matrix for high-performance lithium-ion batteries. *Chemical Communications*, **2019**, 55, 9184-9187	5.8	13
320	Intercalation pseudocapacitance in a NASICON-structured Na2CrTi(PO4)3@carbon nanocomposite: towards high-rate and long-lifespan sodium-ion-based energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 20604-20613	13	14
319	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. *Nature Communications*, **2019**, 10, 2840	17.4	177
318	Heteroatom-Mediated Interactions between Ruthenium Single Atoms and an MXene Support for Efficient Hydrogen Evolution. *Advanced Materials*, **2019**, 31, e1903841	24	197
317	Ultrafine Co O Nanoparticles within Nitrogen-Doped Carbon Matrix Derived from Metal-Organic Complex for Boosting Lithium Storage and Oxygen Evolution Reaction. *Small*, **2019**, 15, e1904260	11	14
316	Encapsulating Carbon-Coated MoS2 Nanosheets within a Nitrogen-Doped Graphene Network for High-Performance Potassium-Ion Storage. *Advanced Materials Interfaces*, **2019**, 6, 1901066	4.6	23

315	Atomic Ru Immobilized on Porous h-BN through Simple Vacuum Filtration for Highly Active and Selective CO2 Methanation. *ACS Catalysis*, **2019**, 9, 10077-10086	13.1	43
314	Modulating Electronic Structure of Cobalt Phosphide Precatalysts via Dual-Metal Incorporation for Highly Efficient Overall Water Splitting. *ACS Applied Energy Materials*, **2019**, 2, 8022-8030	6.1	6
313	Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. *ACS Nano*, **2019**, 13, 12969-12979	16.7	80
312	Boosted Reactivity of Ammonia Borane Dehydrogenation over Ni/NiP Heterostructure. *Journal of Physical Chemistry Letters*, **2019**, 10, 1048-1054	6.4	28
311	A long-life Li-CO battery employing a cathode catalyst of cobalt-embedded nitrogen-doped carbon nanotubes derived from a Prussian blue analogue. *Chemical Communications*, **2019**, 55, 12781-12784	5.8	11
310	Band structure tailoring in ZrSe2 single crystal via trace rhenium intercalation. *Applied Physics Letters*, **2019**, 115, 213102	3.4	2
309	Tunable synthesis of LixMnO2 nanowires for aqueous Li-ion hybrid supercapacitor with high rate capability and ultra-long cycle life. *Journal of Power Sources*, **2019**, 413, 302-309	8.9	47
308	Sustainable and Atomically Dispersed Iron Electrocatalysts Derived from Nitrogen- and Phosphorus-Modified Woody Biomass for Efficient Oxygen Reduction. *Advanced Materials Interfaces*, **2019**, 6, 1801623	4.6	17
307	Unusual polarization and temperature-dependent Raman response in Weyl semimetal NbIrTe4. *Solid State Communications*, **2019**, 289, 56-60	1.6	6
306	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrOx Electrocatalysts for Oxygen Evolution in Acidic Media. *CheM*, **2019**, 5, 445-459	16.2	205
305	PVP intercalated metallic WSe as NIR photothermal agents for efficient tumor ablation. *Nanotechnology*, **2019**, 30, 065102	3.4	7
304	Tracking Structural Self-Reconstruction and Identifying True Active Sites toward Cobalt Oxychloride Precatalyst of Oxygen Evolution Reaction. *Advanced Materials*, **2019**, 31, e1805127	24	126
303	Promotion of Overall Water Splitting Activity Over a Wide pH Range by Interfacial Electrical Effects of Metallic NiCo-nitrides Nanoparticle/NiCoO Nanoflake/graphite Fibers. *Advanced Science*, **2019**, 6, 1801829	13.6	78
302	Synthesis of Tungsten Trioxide/Hematite Core-Shell Nanoarrays for Efficient Photoelectrochemical Water Splitting. *ChemElectroChem*, **2019**, 6, 543-551	4.3	14
301	Zn3[Fe(CN)6]2 derived Fe/Fe5C2@N-doped carbon as a highly effective oxygen reduction reaction catalyst for zinc-air battery. *Applied Catalysis B: Environmental*, **2019**, 244, 197-205	21.8	81
300	Atomic Sn4+ Decorated into Vanadium Carbide MXene Interlayers for Superior Lithium Storage. *Advanced Energy Materials*, **2019**, 9, 1802977	21.8	71
299	In situ palladium/nitrogen-doped ordered mesoporous carbon hybrids as highly active and durable electrocatalysts for oxygen reduction reaction. *Journal of Porous Materials*, **2019**, 26, 371-379	2.4	8
298	2D Metal Organic Framework Nanosheet: A Universal Platform Promoting Highly Efficient Visible-Light-Induced Hydrogen Production. *Advanced Energy Materials*, **2019**, 9, 1803402	21.8	144

297	Defective Carbon□CoP Nanoparticles Hybrids with Interfacial Charges Polarization for Efficient Bifunctional Oxygen Electrocatalysis. *Advanced Energy Materials*, **2018**, 8, 1703623	21.8	164
296	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. *Small*, **2018**, 14, e1703749	11	49
295	Surface Modification on Pd Nanostructures for Selective Styrene Oxidation with Molecular Oxygen. *ChemNanoMat*, **2018**, 4, 467-471	3.5	13
294	Room temperature ferromagnetism in Fe-doped semiconductor ZrS2single crystals. *Materials Research Express*, **2018**, 5, 046110	1.7	5
293	Ion Gated Synaptic Transistors Based on 2D van der Waals Crystals with Tunable Diffusive Dynamics. *Advanced Materials*, **2018**, 30, e1800195	24	271
292	Atomic Iridium Incorporated in Cobalt Hydroxide for Efficient Oxygen Evolution Catalysis in Neutral Electrolyte. *Advanced Materials*, **2018**, 30, e1707522	24	174
291	Definitive Structural Identification toward Molecule-Type Sites within 1D and 2D Carbon-Based Catalysts. *Advanced Energy Materials*, **2018**, 8, 1800436	21.8	12
290	1T?-Mo1□WxS2/CdS Heterostructure Enabling Robust Photocatalytic Water Splitting: Unveiling the Interfacial Charge Polarization. *Solar Rrl*, **2018**, 2, 1800032	7.1	23
289	Resolving the multipolar scattering modes of a submicron particle using parametric indirect microscopic imaging. *Photonics and Nanostructures - Fundamentals and Applications*, **2018**, 30, 7-13	2.6	2
288	Exfoliation of ultrathin FePS layers as a promising electrocatalyst for the oxygen evolution reaction. *Chemical Communications*, **2018**, 54, 4481-4484	5.8	43
287	Three-dimensional hollow spheres of the tetragonal-spinel MgMn2O4 cathode for high-performance magnesium ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 8210-8214	13	30
286	Active Sites Engineering toward Superior Carbon-Based Oxygen Reduction Catalysts via Confinement Pyrolysis. *Small*, **2018**, 14, e1800128	11	23
285	Ternary interfacial superstructure enabling extraordinary hydrogen evolution electrocatalysis. *Materials Today*, **2018**, 21, 602-610	21.8	32
284	Integrated Flexible Electrode for Oxygen Evolution Reaction: Layered Double Hydroxide Coupled with Single-Walled Carbon Nanotubes Film. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2911-2915	8.3	30
283	Zirconium□Porphyrin-Based Metal□Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. *Angewandte Chemie*, **2018**, 130, 3551-3556	3.6	72
282	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. *Angewandte Chemie - International Edition*, **2018**, 57, 3493-3498	16.4	237
281	Atomically Intercalating Tin Ions into the Interlayer of Molybdenum Oxide Nanobelt toward Long-Cycling Lithium Battery. *Journal of Physical Chemistry Letters*, **2018**, 9, 817-824	6.4	26
280	Heterogeneous Single-Atom Catalyst for Visible-Light-Driven High-Turnover CO Reduction: The Role of Electron Transfer. *Advanced Materials*, **2018**, 30, e1704624	24	254

279	Controlling Au□Pd Surface on Au Nanocubes for Selective Catalytic Alkyne Semihydrogenation. *Particle and Particle Systems Characterization*, **2018**, 35, 1700377	3.1	4
278	Ball-in-ball hierarchical design of P2-type layered oxide as high performance Na-ion battery cathodes. *Electrochimica Acta*, **2018**, 265, 284-291	6.7	11
277	Ferromagnetism in CVT grown tungsten diselenide single crystals with nickel doping. *Nanotechnology*, **2018**, 29, 115701	3.4	24
276	All-solid-state supercapacitors with superior compressive strength and volumetric capacitance. *Energy Storage Materials*, **2018**, 13, 119-126	19.4	16
275	A versatile MOF-based trap for heavy metal ion capture and dispersion. *Nature Communications*, **2018**, 9, 187	17.4	349
274	Cobalt-Doped Perovskite-Type Oxide LaMnO as Bifunctional Oxygen Catalysts for Hybrid Lithium-Oxygen Batteries. *Chemistry - an Asian Journal*, **2018**, 13, 528-535	4.5	40
273	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. *ACS Energy Letters*, **2018**, 3, 1198-1204	20.1	124
272	Single photon emission from plasma treated 2D hexagonal boron nitride. *Nanoscale*, **2018**, 10, 7957-7965	7.7	64
271	Highly Defective Fe-Based Oxyhydroxides from Electrochemical Reconstruction for Efficient Oxygen Evolution Catalysis. *ACS Energy Letters*, **2018**, 3, 861-868	20.1	71
270	Synergistic effect of an atomically dual-metal doped catalyst for highly efficient oxygen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 6840-6846	13	76
269	Electronic structures of layered Ta2NiS5 single crystals revealed by high-resolution angle-resolved photoemission spectroscopy. *Journal of Materials Chemistry C*, **2018**, 6, 3976-3981	7.1	12
268	Facile one-pot synthesis of MOF supported gold pseudo-single-atom catalysts for hydrogenation reactions. *Materials Chemistry Frontiers*, **2018**, 2, 1024-1030	7.8	32
267	In situ trapped high-density single metal atoms within graphene: Iron-containing hybrids as representatives for efficient oxygen reduction. *Nano Research*, **2018**, 11, 2217-2228	10	74
266	High-metallic-phase-concentration Mo1□WxS2 nanosheets with expanded interlayers as efficient electrocatalysts. *Nano Research*, **2018**, 11, 1687-1698	10	26
265	High over-potential nitrogen-doped activated carbon towards hydrogen evolution inhibition in sulfuric acid solution. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 14170-14179	2.1	6
264	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. *Nature Communications*, **2018**, 9, 2452	17.4	269
263	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. *Nature Chemistry*, **2018**, 10, 924-931	17.6	379
262	Fabrication of perovskite-based porous nanotubes as efficient bifunctional catalyst and application in hybrid lithium□xygen batteries. *Journal of Materials Chemistry A*, **2018**, 6, 16943-16949	13	17

261	Engineering the Electronic Structure of MoS2 Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. *ACS Catalysis*, **2018**, 8, 7585-7592	13.1	111
260	Magnetic Isotropy/Anisotropy in Layered Metal Phosphorous Trichalcogenide MPS□(M = Mn, Fe)Single Crystals. *Micromachines*, **2018**, 9,	3.3	14
259	Confined Growth of Carbon Nanotubes in Nanocutting Channel on Highly Oriented Pyrolytic Graphite. *Nano*, **2018**, 13, 1850071	1.1	0
258	Electron doping induced semiconductor to metal transitions in ZrSe2 layers via copper atomic intercalation. *Nano Research*, **2018**, 11, 4914-4922	10	28
257	Surface Modification on Pd-TiO Hybrid Nanostructures towards Highly Efficient H Production from Catalytic Formic Acid Decomposition. *Chemistry - A European Journal*, **2018**, 24, 18398-18402	4.8	10
256	Nanoconfined Nickel@Carbon Core-Shell Cocatalyst Promoting Highly Efficient Visible-Light Photocatalytic H Production. *Small*, **2018**, 14, e1801705	11	36
255	Design of Pd{111}-TiO2 interface for enhanced catalytic efficiency towards formic acid decomposition. *Science China Chemistry*, **2018**, 61, 1123-1127	7.9	2
254	Tailoring the Structure of Carbon Nanomaterials toward High-End Energy Applications. *Advanced Materials*, **2018**, 30, e1802104	24	65
253	Facile Synthesis of Near-Infrared Emissive CdS Quantum Dots for Live Cells Imaging. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2271-2277	1.3	5
252	In Situ Growth of Cobalt Nanoparticles Encapsulated Nitrogen-Doped Carbon Nanotubes among Ti3C2Tx (MXene) Matrix for Oxygen Reduction and Evolution. *Advanced Materials Interfaces*, **2018**, 5, 1800392	4.6	69
251	Engineering multi-dimensional nanocarbons with enhanced electrochemical activity as high-performance bifunctional electrocatalyst. *Journal of Porous Materials*, **2018**, 25, 1115-1122	2.4	4
250	Well-Defined Cobalt Catalyst with N-Doped Carbon Layers Enwrapping: The Correlation between Surface Atomic Structure and Electrocatalytic Property. *Small*, **2018**, 14, 1702074	11	41
249	Scalable Fabrication of Highly Active and Durable Membrane Electrodes toward Water Oxidation. *Small*, **2018**, 14, 1702109	11	17
248	Atomic Vacancies Control of Pd-Based Catalysts for Enhanced Electrochemical Performance. *Advanced Materials*, **2018**, 30, 1704171	24	74
247	Co-occurrence of linear and circular dichroism in chiral sculptured ZrO2 thin films. *Optical Materials*, **2018**, 75, 319-324	3.3	4
246	Iron Oxide Nanoclusters Incorporated into Iron Phthalocyanine as Highly Active Electrocatalysts for the Oxygen Reduction Reaction. *ChemCatChem*, **2018**, 10, 475-483	5.2	12
245	2D heterostructure comprised of metallic 1T-MoS2/Monolayer O-g-C3N4 towards efficient photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2018**, 220, 379-385	21.8	176
244	High Performance Graphene-Based Electrochemical Double Layer Capacitors Using 1-Butyl-1-methylpyrrolidinium tris (pentafluoroethyl) trifluorophosphate Ionic Liquid as an Electrolyte. *Electronics (Switzerland)*, **2018**, 7, 229	2.6	4

243	Bi S -Tween 20 Nanodots Loading PI3K Inhibitor, LY294002, for Mild Photothermal Therapy of LoVo Cells In Vitro and In Vivo. *Advanced Healthcare Materials*, **2018**, 7, e1800830	10.1	24
242	Phosphate Species up to 70% Mass Ratio for Enhanced Pseudocapacitive Properties. *Small*, **2018**, 14, e1803811	11	19
241	Atmospheric-Pressure Synthesis of 2D Nitrogen-Rich Tungsten Nitride. *Advanced Materials*, **2018**, 30, e1805655	24	69
240	Rhenium-Doped and Stabilized MoS Atomic Layers with Basal-Plane Catalytic Activity. *Advanced Materials*, **2018**, 30, e1803477	24	110
239	Structural Self-Reconstruction of Catalysts in Electrocatalysis. *Accounts of Chemical Research*, **2018**, 51, 2968-2977	24.3	156
238	Confined bimetallic phosphide within P, N co-doped carbon layers towards boosted bifunctional oxygen catalysis. *Journal of Materials Chemistry A*, **2018**, 6, 11281-11287	13	27
237	Nickel Vacancies Boost Reconstruction in Nickel Hydroxide Electrocatalyst. *ACS Energy Letters*, **2018**, 3, 1373-1380	20.1	119
236	Lithiation-induced amorphization of Pd3P2S8 for highly efficient hydrogen evolution. *Nature Catalysis*, **2018**, 1, 460-468	36.5	153
235	Refining Defect States in WO by Mo Doping: A Strategy for Tuning N Activation towards Solar-Driven Nitrogen Fixation. *Journal of the American Chemical Society*, **2018**, 140, 9434-9443	16.4	462
234	Interfacial Roles: Defective Carbon□oP Nanoparticles Hybrids with Interfacial Charges Polarization for Efficient Bifunctional Oxygen Electrocatalysis(Adv. Energy Mater. 18/2018). *Advanced Energy Materials*, **2018**, 8, 1870087	21.8	1
233	Size dependence of electronic property in CVD-grown single-crystal graphene. *Materials Research Express*, **2018**, 5, 075005	1.7	1
232	Atomic Cobalt Covalently Engineered Interlayers for Superior Lithium-Ion Storage. *Advanced Materials*, **2018**, 30, e1802525	24	129
231	A versatile strategy for ultrathin SnS nanosheets confined in a N-doped graphene sheet composite for high performance lithium and sodium-ion batteries. *Chemical Communications*, **2018**, 54, 8379-8382	5.8	37
230	Crystallographic-plane tuned Prussian-blue wrapped with RGO: a high-capacity, long-life cathode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 3569-3577	13	54
229	Porous Iron-Tungsten Carbide Electrocatalyst with High Activity and Stability toward Oxygen Reduction Reaction: From the Self-Assisted Synthetic Mechanism to Its Active-Species Probing. *ACS Applied Materials & Interfaces*, **2017**, 9, 3713-3722	9.5	32
228	Auxilin Underlies Progressive Locomotor Deficits and Dopaminergic Neuron Loss in a Drosophila Model of Parkinson's Disease. *Cell Reports*, **2017**, 18, 1132-1143	10.6	35
227	Light scattering by subwavelength CuO particles. *Nanotechnology*, **2017**, 28, 134002	3.4	13
226	A Ternary Alloy Substrate to Synthesize Monolayer Graphene with Liquid Carbon Precursor. *ACS Nano*, **2017**, 11, 1371-1379	16.7	16

225	Assembling and nanocutting graphene/CNT sponge for improved lithium-ion batteries. *Ionics*, **2017**, 23, 1329-1336	2.7	1
224	Isolation of Cu Atoms in Pd Lattice: Forming Highly Selective Sites for Photocatalytic Conversion of CO to CH. *Journal of the American Chemical Society*, **2017**, 139, 4486-4492	16.4	317
223	Facile synthesis of mesoporous detonation nanodiamond-modified layers of graphitic carbon nitride as photocatalysts for the hydrogen evolution reaction. *RSC Advances*, **2017**, 7, 15390-15396	3.7	20
222	Nanoscale TiO2 membrane coating spinel LiNi0.5Mn1.5O4 cathode material for advanced lithium-ion batteries. *Journal of Alloys and Compounds*, **2017**, 705, 413-419	5.7	55
221	Engineering interfacial charge-transfer by phase transition realizing enhanced photocatalytic hydrogen evolution activity. *Inorganic Chemistry Frontiers*, **2017**, 4, 663-667	6.8	19
220	Near-surface dilution of trace Pd atoms to facilitate Pd-H bond cleavage for giant enhancement of electrocatalytic hydrogen evolution. *Nano Energy*, **2017**, 34, 306-312	17.1	36
219	Amorphous Molybdenum Sulfide/Carbon Nanotubes Hybrid Nanospheres Prepared by Ultrasonic Spray Pyrolysis for Electrocatalytic Hydrogen Evolution. *Small*, **2017**, 13, 1700111	11	55
218	Synthesis of NiS/MoS heterocatalyst for Enhanced Hydrogen Evolution Reaction. *Langmuir*, **2017**, 33, 5148-5153	4	29
217	Electron-Doped 1T-MoS2 via Interface Engineering for Enhanced Electrocatalytic Hydrogen Evolution. *Chemistry of Materials*, **2017**, 29, 4738-4744	9.6	200
216	Amorphous nickel-cobalt complexes hybridized with 1T-phase molybdenum disulfide via hydrazine-induced phase transformation for water splitting. *Nature Communications*, **2017**, 8, 15377	17.4	219
215	Vertical 1T-MoS nanosheets with expanded interlayer spacing edged on a graphene frame for high rate lithium-ion batteries. *Nanoscale*, **2017**, 9, 6975-6983	7.7	115
214	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. *Advanced Functional Materials*, **2017**, 27, 1604639	15.6	69
213	Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO2 reduction into CH4. *Nano Research*, **2017**, 10, 3396-3406	10	72
212	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. *Advanced Materials*, **2017**, 29, 1606570	24	320
211	Defective Tungsten Oxide Hydrate Nanosheets for Boosting Aerobic Coupling of Amines: Synergistic Catalysis by Oxygen Vacancies and Brønsted Acid Sites. *Small*, **2017**, 13, 1701354	11	44
210	Stable 1T-MoSe and Carbon Nanotube Hybridized Flexible Film: Binder-Free and High-Performance Li-Ion Anode. *ACS Nano*, **2017**, 11, 6483-6491	16.7	96
209	Anchoring ceria nanoparticles on graphene oxide and their radical scavenge properties under gamma irradiation environment. *Physical Chemistry Chemical Physics*, **2017**, 19, 16785-16794	3.6	19
208	Attainable high capacity in Li-excess Li-Ni-Ru-O rock-salt cathode for lithium ion battery. *Journal of Power Sources*, **2017**, 359, 270-276	8.9	18

207	Probing lattice vibration and surface electronic state in a layered (NH4)2V3O8 single crystal. *Journal of Materials Chemistry C*, **2017**, 5, 4185-4189	7.1	
206	In situ synthesis of noble metal nanoparticles on onion-like carbon with enhanced electrochemical and supercapacitor performance. *RSC Advances*, **2017**, 7, 4667-4670	3.7	10
205	Functional Species Encapsulated in Nitrogen-Doped Porous Carbon as a Highly Efficient Catalyst for the Oxygen Reduction Reaction. *Chemistry - A European Journal*, **2017**, 23, 3398-3405	4.8	28
204	Free-standing SWNTs/VO 2 /Mica hierarchical films for high-performance thermochromic devices. *Nano Energy*, **2017**, 31, 144-151	17.1	50
203	Room-temperature ferromagnetism in the two-dimensional layered CuMoS nanosheets. *Physical Chemistry Chemical Physics*, **2017**, 19, 1735-1739	3.6	10
202	Facile synthesis of CuFe2O4Fe2O3 composite for high-performance supercapacitor electrode applications. *Materials Research Express*, **2017**, 4, 105501	1.7	15
201	Membrane-assisted assembly strategy of flexible electrodes for multifunctional supercapacitors. *Carbon*, **2017**, 125, 419-428	10.4	11
200	WX2(X=S, Se) Single Crystals: A Highly Stable Material for Supercapacitor Applications. *Electrochimica Acta*, **2017**, 258, 71-79	6.7	20
199	Co Nanoparticles Encapsulated in N-Doped Carbon Nanosheets: Enhancing Oxygen Reduction Catalysis without Metal-Nitrogen Bonding. *ACS Applied Materials & Interfaces*, **2017**, 9, 38499-38506	9.5	33
198	Hierarchical 1T-MoS2 nanotubular structures for enhanced supercapacitive performance. *Journal of Materials Chemistry A*, **2017**, 5, 23704-23711	13	47
197	Insight into the Role of MetalOxygen Bond and O 2p Hole in High-Voltage Cathode LiNixMn2xO4. *Journal of Physical Chemistry C*, **2017**, 121, 16079-16087	3.8	37
196	Pt4PdCu0.4 alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. *Nano Energy*, **2017**, 39, 532-538	17.1	84
195	Nickel Diselenide Ultrathin Nanowires Decorated with Amorphous Nickel Oxide Nanoparticles for Enhanced Water Splitting Electrocatalysis. *Small*, **2017**, 13, 1701487	11	83
194	Enhanced Electrochemical Performance of Ti-Doping Li1.15Ni0.47Sb0.38O2 as Lithium-excess Cathode for Lithium-ion Batteries. *Chinese Journal of Chemistry*, **2017**, 35, 1853-1860	4.9	2
193	Formation of graphene-encapsulated CoS2 hybrid composites with hierarchical structures for high-performance lithium-ion batteries. *RSC Advances*, **2017**, 7, 39427-39433	3.7	14
192	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. *Nature Communications*, **2017**, 8, 1559	17.4	57
191	Electronic Structure Reconfiguration toward Pyrite NiS via Engineered Heteroatom Defect Boosting Overall Water Splitting. *ACS Nano*, **2017**, 11, 11574-11583	16.7	227
190	High-strength graphene composite films by molecular level couplings for flexible supercapacitors with high volumetric capacitance. *Journal of Materials Chemistry A*, **2017**, 5, 15008-15016	13	35

189	Enhanced electrochemical performance of MoO3-coated LiMn2O4 cathode for rechargeable lithium-ion batteries. *Materials Chemistry and Physics*, **2017**, 199, 203-208	4.4	13
188	Probing Lithium Storage Mechanism of MoO2 Nanoflowers with Rich Oxygen-Vacancy Grown on Graphene Sheets. *Journal of Physical Chemistry C*, **2017**, 121, 15589-15596	3.8	27
187	Active {010} facet-exposed Cu2MoS4 nanotube as high-efficiency photocatalyst. *Nano Research*, **2017**, 10, 3817-3825	10	16
186	Amorphous nickel-iron oxides/carbon nanohybrids for an efficient and durable oxygen evolution reaction. *Nano Research*, **2017**, 10, 3629-3637	10	34
185	Tungsten Nitride-Cobalt Anchored in N-Doped Ordered Porous Carbon as an Efficient Oxygen Reduction Reaction Electrocatalyst. *Chemistry - an Asian Journal*, **2017**, 12, 60-66	4.5	14
184	Angle-/temperature-dependence of Raman scattering in layered NbSe3 crystal. *AIP Advances*, **2017**, 7, 095316	1.5	3
183	Co3O4 Nanoparticle-Decorated N-Doped Mesoporous Carbon Nanofibers as an Efficient Catalyst for Oxygen Reduction Reaction. *Catalysts*, **2017**, 7, 189	4	11
182	Avalanche breakdown and self-stabilization effects in electrically driven transition of carbon nanotube covered VO2film. *Journal Physics D: Applied Physics*, **2017**, 50, 255101	3	2
181	Designing hierarchical hollow nanostructures of CuMoS for improved hydrogen evolution reaction. *Physical Chemistry Chemical Physics*, **2016**, 19, 557-561	3.6	22
180	All-Carbon Ultrafast Supercapacitor by Integrating Multidimensional Nanocarbons. *Small*, **2016**, 12, 5684-5691	11	34
179	Photothermal Therapy: Multifunctional WS2@Polyetherimide Nanoplatforms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer (Adv. Healthcare Mater. 21/2016). *Advanced Healthcare Materials*, **2016**, 5, 2834-2834	10.1	0
178	Tuning the composition of ternary Bi2Se3xTe3(1-x) nanoplates and their Raman scattering investigations. *AIP Advances*, **2016**, 6, 075303	1.5	2
177	A Highly Efficient Metal-Free Oxygen Reduction Electrocatalyst Assembled from Carbon Nanotubes and Graphene. *Advanced Materials*, **2016**, 28, 4606-13	24	178
176	Implementing Metal-to-Ligand Charge Transfer in Organic Semiconductor for Improved Visible-Near-Infrared Photocatalysis. *Advanced Materials*, **2016**, 28, 6959-65	24	200
175	The Dynamic Phase Transition Modulation of Ion-Liquid Gating VO2 Thin Film: Formation, Diffusion, and Recovery of Oxygen Vacancies. *Advanced Functional Materials*, **2016**, 26, 3532-3541	15.6	44
174	Facile Synthesis of Hierarchical Cu2MoS4 Hollow Sphere/Reduced Graphene Oxide Composites with Enhanced Photocatalytic Performance. *Journal of Physical Chemistry C*, **2016**, 120, 13120-13125	3.8	31
173	Performance analysis of quantitative phase retrieval method in Zernike phase contrast X-ray microscopy. *Chinese Physics C*, **2016**, 40, 029001	2.2	
172	Maneuvering charge polarization and transport in 2H-MoS2 for enhanced electrocatalytic hydrogen evolution reaction. *Nano Research*, **2016**, 9, 2662-2671	10	22

171	Microwave assisted one-pot synthesis of graphene quantum dots as highly sensitive fluorescent probes for detection of iron ions and pH value. *Talanta*, **2016**, 150, 54-60	6.2	122
170	Microwave-assisted facile synthesis of yellow fluorescent carbon dots from o-phenylenediamine for cell imaging and sensitive detection of Fe3+ and H2O2. *RSC Advances*, **2016**, 6, 17704-17712	3.7	93
169	Role of Ru Oxidation Degree for Catalytic Activity in Bimetallic Pt/Ru Nanoparticles. *Journal of Physical Chemistry C*, **2016**, 120, 6569-6576	3.8	19
168	Pyrazolate-Based Porphyrinic Metal-Organic Framework with Extraordinary Base-Resistance. *Journal of the American Chemical Society*, **2016**, 138, 914-9	16.4	212
167	Sol□gel design strategy for embedded Na3V2(PO4)3 particles into carbon matrices for high-performance sodium-ion batteries. *Carbon*, **2016**, 96, 1028-1033	10.4	61
166	Surfactant encapsulated palladium-polyoxometalates: controlled assembly and their application as single-atom catalysts. *Chemical Science*, **2016**, 7, 1011-1015	9.4	68
165	The Effect of High Concentration and Small Size of Nanodiamonds on the Strength of Interface and Fracture Properties in Epoxy Nanocomposite. *Materials*, **2016**, 9,	3.5	12
164	Growing and Etching MoS□on Carbon Nanotube Film for Enhanced Electrochemical Performance. *Molecules*, **2016**, 21,	4.8	6
163	The Nanoparticle Size Effect in Graphene Cutting: A "Pac-Man" Mechanism. *Angewandte Chemie - International Edition*, **2016**, 55, 9918-21	16.4	22
162	The Nanoparticle Size Effect in Graphene Cutting: A □Pac-Man□Mechanism. *Angewandte Chemie*, **2016**, 128, 10072-10075	3.6	7
161	High-Loading Nickel Cobaltate Nanoparticles Anchored on Three-Dimensional N-Doped Graphene as an Efficient Bifunctional Catalyst for Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 18060-8	9.5	54
160	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. *Journal of the American Chemical Society*, **2016**, 138, 8928-35	16.4	568
159	Polyoxometalate Cluster-Incorporated Metal-Organic Framework Hierarchical Nanotubes. *Small*, **2016**, 12, 2982-90	11	45
158	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS2. *Advanced Functional Materials*, **2016**, 26, 1169-1177	15.6	286
157	Suppression of Structural Phase Transition in VO2 by Epitaxial Strain in Vicinity of Metal-insulator Transition. *Scientific Reports*, **2016**, 6, 23119	4.9	83
156	Preparation of the TiO/Graphic Carbon Nitride Core-Shell Array as a Photoanode for Efficient Photoelectrochemical Water Splitting. *Langmuir*, **2016**, 32, 13322-13332	4	62
155	Low temperature CVD growth of ultrathin carbon films. *AIP Advances*, **2016**, 6, 055310	1.5	5
154	ES2MS: An interface package for passing self-consistent charge density and potential from Electronic Structure codes To Multiple Scattering codes. *Computer Physics Communications*, **2016**, 203, 331-338	4.2	2

153	Band-Limited Filters and Bragg Reflectors in Perturbed Defect Nanostructures of Chiral Sculptured Thin Films. *IEEE Photonics Journal*, **2016**, 8, 1-12	1.8	3
152	Fabrication of graphene-encapsulated Na3V2(PO4)3 as high-performance cathode materials for sodium-ion batteries. *RSC Advances*, **2016**, 6, 43591-43597	3.7	33
151	Partial-surface-passivation strategy for transition-metal-based copper-gold nanocage. *Chemical Communications*, **2016**, 52, 6617-20	5.8	11
150	Metallic 1T-WS2 nanoribbons as highly conductive electrodes for supercapacitors. *RSC Advances*, **2016**, 6, 48788-48791	3.7	49
149	Unsaturated-sulfur-rich MoS2 nanosheets decorated on free-standing SWNT film: Synthesis, characterization and electrocatalytic application. *Nano Research*, **2016**, 9, 2079-2087	10	56
148	In situ growth of metallic 1T-WS2 nanoislands on single-walled carbon nanotube films for improved electrochemical performance. *RSC Advances*, **2016**, 6, 87919-87925	3.7	27
147	Kinetically Enhanced Electrochemical Redox of Polysulfides on Polymeric Carbon Nitrides for Improved Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 25193-201	9.5	123
146	Multifunctional WS @Poly(ethylene imine) Nanoplatforms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer. *Advanced Healthcare Materials*, **2016**, 5, 2776-2787	10.1	65
145	In situ Integration of a Metallic 1T-MoS2/CdS Heterostructure as a Means to Promote Visible-Light-Driven Photocatalytic Hydrogen Evolution. *ChemCatChem*, **2016**, 8, 2614-2619	5.2	80
144	Control of the metal-insulator transition in VO□epitaxial film by modifying carrier density. *ACS Applied Materials & Interfaces*, **2015**, 7, 6875-81	9.5	52
143	Surface functionalization and structure characterizations of nanodiamond and its epoxy based nanocomposites. *Composites Part B: Engineering*, **2015**, 78, 480-487	10	47
142	Synthesis and magnetic properties of samarium hydroxide nanocrystals. *New Journal of Chemistry*, **2015**, 39, 4972-4976	3.6	5
141	Dielectric capacitors with three-dimensional nanoscale interdigital electrodes for energy storage. *Science Advances*, **2015**, 1, e1500605	14.3	45
140	Initial Reaction Mechanism of Platinum Nanoparticle in Methanol-Water System and the Anomalous Catalytic Effect of Water. *Nano Letters*, **2015**, 15, 5961-8	11.5	39
139	Raman scattering of single crystal Cu2MoS4 nanosheet. *AIP Advances*, **2015**, 5, 037141	1.5	18
138	Cyanogenetic glycosides and simple glycosides from the linseed meal. *Fitoterap*,**2015**, 106, 78-83	3.2	6
137	Self-assembly of ultrathin Cu2MoS4 nanobelts for highly efficient visible light-driven degradation of methyl orange. *Nanoscale*, **2015**, 7, 17998-8003	7.7	31
136	Cube-like Cu2MoS4 photocatalysts for visible light-driven degradation of methyl orange. *AIP Advances*, **2015**, 5, 077130	1.5	17

135	A New Cubic Phase for a NaYF4 Host Matrix Offering High Upconversion Luminescence Efficiency. *Advanced Materials*, **2015**, 27, 5528-33	24	80
134	Stable Metallic 1T-WS2 Nanoribbons Intercalated with Ammonia Ions: The Correlation between Structure and Electrical/Optical Properties. *Advanced Materials*, **2015**, 27, 4837-44	24	151
133	Coupling Solar Energy into Reactions: Materials Design for Surface Plasmon-Mediated Catalysis. *Small*, **2015**, 11, 3873-89	11	110
132	Gram-Scale Aqueous Synthesis of Stable Few-Layered 1T-MoS2 : Applications for Visible-Light-Driven Photocatalytic Hydrogen Evolution. *Small*, **2015**, 11, 5556-64	11	374
131	Palladium-Based Nanomaterials: A Platform to Produce Reactive Oxygen Species for Catalyzing Oxidation Reactions. *Advanced Materials*, **2015**, 27, 7025-42	24	84
130	Valine-derived carbon dots with colour-tunable fluorescence for the detection of Hg2+ with high sensitivity and selectivity. *New Journal of Chemistry*, **2015**, 39, 6201-6206	3.6	26
129	Enhancing the catalytic efficiency of the Heck coupling reaction by forming 5 nm Pd octahedrons using kinetic control. *Nano Research*, **2015**, 8, 2115-2123	10	17
128	Ultrathin carbon layer coated MoO2 nanoparticles for high-performance near-infrared photothermal cancer therapy. *Chemical Communications*, **2015**, 51, 10054-7	5.8	45
127	Carbon-coated MoO2 dispersed in three-dimensional graphene aerogel for lithium-ion battery. *Electrochimica Acta*, **2015**, 174, 8-14	6.7	50
126	Stable metallic 1T-WS2 ultrathin nanosheets as a promising agent for near-infrared photothermal ablation cancer therapy. *Nano Research*, **2015**, 8, 3982-3991	10	43
125	Optical visualization and polarized light absorption of the single-wall carbon nanotube to verify intrinsic thermal applications. *Light: Science and Applications*, **2015**, 4, e318-e318	16.7	40
124	A New Route Toward Improved Sodium Ion Batteries: A Multifunctional Fluffy Na0.67FePO4/CNT Nanocactus. *Small*, **2015**, 11, 2170-6	11	41
123	Phase Separations in LiFe1−xMnxPO4: A Random Stack Model for Efficient Cathode Materials. *Journal of Physical Chemistry C*, **2014**, 118, 796-803	3.8	25
122	Performance enhancement of Lithium-ion battery with LiFePO4@C/RGO hybrid electrode. *Electrochimica Acta*, **2014**, 144, 406-411	6.7	25
121	Semiconductors: A Unique Semiconductor–Metal–Graphene Stack Design to Harness Charge Flow for Photocatalysis (Adv. Mater. 32/2014). *Advanced Materials*, **2014**, 26, 5578-5578	24	4
120	Strain dynamics of ultrathin VO2 film grown on TiO2 (001) and the associated phase transition modulation. *Nano Letters*, **2014**, 14, 4036-43	11.5	186
119	Solvothermal synthesis of ternary Cu2 MoS4 nanosheets: structural characterization at the atomic level. *Small*, **2014**, 10, 4637-44	11	74
118	A unique semiconductor-metal-graphene stack design to harness charge flow for photocatalysis. *Advanced Materials*, **2014**, 26, 5689-95	24	116

117	Chemical constituents from the linseed meal. *Fitoterapia*, **2014**, 97, 15-22	3.2	6
116	Tunable electronics in large-area atomic layers of boron-nitrogen-carbon. *Nano Letters*, **2013**, 13, 3476-81	11.5	63
115	Effect of high-temperature thermal treatment on the structure and adsorption properties of reduced graphene oxide. *Carbon*, **2013**, 52, 608-612	10.4	95
114	Catalytic subsurface etching of nanoscale channels in graphite. *Nature Communications*, **2013**, 4, 1379	17.4	40
113	Scalable Formation of Carbon Nanotube Films Containing Highly Aligned Whiskerlike Crystallites. *Industrial & Engineering Chemistry Research*, **2013**, 52, 8705-8713	3.9	7
112	Super-stretchable, transparent carbon nanotube-based capacitive strain sensors for human motion detection. *Scientific Reports*, **2013**, 3, 3048	4.9	476
111	Freestanding single-walled carbon nanotube bundle networks: Fabrication, properties and composites. *Science Bulletin*, **2012**, 57, 205-224		23
110	Anomalous insulator-metal transition in boron nitride-graphene hybrid atomic layers. *Physical Review B*, **2012**, 86,	3.3	41
109	Fabrication and characterization of single-walled carbon nanotube fiber for electronics applications. *Carbon*, **2012**, 50, 5521-5524	10.4	15
108	Synthesis of S-doped graphene by liquid precursor. *Nanotechnology*, **2012**, 23, 275605	3.4	145
107	Graphene quantum dots derived from carbon fibers. *Nano Letters*, **2012**, 12, 844-9	11.5	1779
106	Time-resolved ultrafast photocurrents and terahertz generation in freely suspended graphene. *Nature Communications*, **2012**, 3, 646	17.4	126
105	Anomalous high capacitance in a coaxial single nanowire capacitor. *Nature Communications*, **2012**, 3, 879	17.4	42
104	Binary and ternary atomic layers built from carbon, boron, and nitrogen. *Advanced Materials*, **2012**, 24, 4878-95	24	197
103	A simple method to synthesize continuous large area nitrogen-doped graphene. *Carbon*, **2012**, 50, 4476-4482	10.4	126
102	Sharp burnout failure observed in high current-carrying double-walled carbon nanotube fibers. *Nanotechnology*, **2012**, 23, 015703	3.4	9
101	Direct growth of graphene/hexagonal boron nitride stacked layers. *Nano Letters*, **2011**, 11, 2032-7	11.5	413
100	Optical bifunctionality of europium-complexed luminescent graphene nanosheets. *Nano Letters*, **2011**, 11, 5227-33	11.5	79

99	Time-resolved picosecond photocurrents in contacted carbon nanotubes. *Nano Letters*, **2011**, 11, 269-72	11.5	37
98	Enhanced thermopower of graphene films with oxygen plasma treatment. *ACS Nano*, **2011**, 5, 2749-55	16.7	162
97	Superfast-response and ultrahigh-power-density electromechanical actuators based on hierarchal carbon nanotube electrodes and chitosan. *Nano Letters*, **2011**, 11, 4636-41	11.5	127
96	Direct laser writing of micro-supercapacitors on hydrated graphite oxide films. *Nature Nanotechnology*, **2011**, 6, 496-500	28.7	1161
95	Terahertz Characterization of Single-Walled Carbon Nanotube and Graphene On-Substrate Thin Films. *IEEE Transactions on Microwave Theory and Techniques*, **2011**, 59, 2719-2725	4.1	31
94	Atomic layers of hybridized boron nitride and graphene domains. *Nature Materials*, **2010**, 9, 430-5	27	1764
93	Novel Liquid Precursor-Based Facile Synthesis of Large-Area Continuous, Single, and Few-Layer Graphene Films. *Chemistry of Materials*, **2010**, 22, 3457-3461	9.6	209
92	Electronic structure study of Li+/OH□modified single-walled carbon nanotubes by soft-x-ray absorption and resonant emission spectroscopy. *Applied Physics Letters*, **2010**, 96, 213112	3.4	16
91	Large scale growth and characterization of atomic hexagonal boron nitride layers. *Nano Letters*, **2010**, 10, 3209-15	11.5	1961
90	Effect of carbon nanotubes on the mechanical properties and crystallization behavior of poly(ether ether ketone). *Composites Science and Technology*, **2010**, 70, 380-386	8.6	96
89	Tunable bandgap in graphene by the controlled adsorption of water molecules. *Small*, **2010**, 6, 2535-8	11	240
88	Additional curvature-induced Raman splitting in carbon nanotube ring structures. *Physical Review B*, **2009**, 80,	3.3	10
87	Photocurrent properties of freely suspended carbon nanotubes under uniaxial strain. *Applied Physics Letters*, **2009**, 94, 261106	3.4	10
86	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. *Materials Letters*, **2009**, 63, 431-433	3.3	10
85	Monitoring a micromechanical process in macroscale carbon nanotube films and fibers. *Advanced Materials*, **2009**, 21, 603-8	24	124
84	Graphene Shape Control by Multistage Cutting and Transfer. *Advanced Materials*, **2009**, 21, 4487-4491	24	133
83	Concentration control of carbon nanotubes in aqueous solution and its influence on the growth behavior of fibroblasts. *Colloids and Surfaces B: Biointerfaces*, **2009**, 71, 148-53	6	20
82	Bio□ano interaction of proteins adsorbed on single-walled carbon nanotubes. *Carbon*, **2009**, 47, 967-973	10.4	62

81	Transfer printing of graphene using gold film. *ACS Nano*, **2009**, 3, 1353-6	16.7	92
80	Surface-enhanced/normal Raman scattering studies on an isolated and individual single-walled carbon nanotube. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1308-11	1.3	3
79	Temperature dependence of Raman spectra in single-walled carbon nanotube rings. *Applied Physics Letters*, **2008**, 92, 121905	3.4	40
78	Highly dense and perfectly aligned single-walled carbon nanotubes fabricated by diamond wire drawing dies. *Nano Letters*, **2008**, 8, 1071-5	11.5	62
77	A Carbon Nanofilament-Bead Necklace. *Journal of Physical Chemistry C*, **2008**, 112, 9644-9649	3.8	5
76	Highly Efficient Direct Electrodeposition of Co□u Alloy Nanotubes in an Anodic Alumina Template. *Journal of Physical Chemistry C*, **2008**, 112, 2256-2261	3.8	45
75	Probing quantum confinement of single-walled carbon nanotubes by resonant soft-x-ray emission spectroscopy. *Applied Physics Letters*, **2008**, 93, 023107	3.4	10
74	Effectively enhanced oxygen sensitivity of individual ZnO tetrapod sensor by water preadsorption. *Applied Physics Letters*, **2008**, 92, 213116	3.4	23
73	Synthesis, characterization, photoluminescence and ferroelectric properties of PbTiO3 nanotube arrays. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2008**, 149, 41-46	3.1	43
72	Large-Scale Synthesis of Nitrogen-Rich Carbon Nitride Microfibers by Using Graphitic Carbon Nitride as Precursor. *Advanced Materials*, **2008**, 20, 1777-1781	24	195
71	Individual Water-Filled Single-Walled Carbon Nanotubes as Hydroelectric Power Converters. *Advanced Materials*, **2008**, 20, 1772-1776	24	148
70	Directly synthesized strong, highly conducting, transparent single-walled carbon nanotube films. *Nano Letters*, **2007**, 7, 2307-11	11.5	307
69	Comparison of Adsorption Behaviour for Fibrinogen and Albumin on Single Walled Carbon Nanotubes Nonwoven. *Solid State Phenomena*, **2007**, 121-123, 781-784	0.4	1
68	Processing and performance improvements of SWNT paper reinforced PEEK nanocomposites. *Composites Part A: Applied Science and Manufacturing*, **2007**, 38, 388-392	8.4	56
67	Nonenzymatic Glucose Sensor Using Freestanding Single-Wall Carbon Nanotube Films. *Electrochemical and Solid-State Letters*, **2007**, 10, J58		41
66	A XANES characterization of structural defects in single-walled carbon nanotubes. *Radiation Physics and Chemistry*, **2006**, 75, 1861-1865	2.5	6
65	Using single-walled carbon nanotubes nonwoven films as scaffolds to enhance long-term cell proliferation in vitro. *Journal of Biomedical Materials Research - Part A*, **2006**, 79, 298-306	5.4	64
64	Large-Scale Synthesis of Rings of Bundled Single-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition. *Advanced Materials*, **2006**, 18, 1817-1821	24	48

63	Electrochemical fabrication and structure of NixZn1−x alloy nanowires. *Nanotechnology*, **2006**, 17, 19-24	3.4	16
62	Efficiently producing single-walled carbon nanotube rings and investigation of their field emission properties. *Nanotechnology*, **2006**, 17, 2355-2361	3.4	14
61	Template synthesis, characterization and magnetic property of Fe nanowires-filled amorphous carbon nanotubes array. *Journal Physics D: Applied Physics*, **2006**, 39, 3939-3944	3	10
60	Conformal conversion from helical hexagonal InN microtubes to In2O3 counterparts. *Applied Physics Letters*, **2006**, 89, 093112	3.4	7
59	Patterned anodic aluminium oxide fabricated with a Ta mask. *Nanotechnology*, **2006**, 17, 35-39	3.4	14
58	Growth mechanism, photoluminescence, and field-emission properties of ZnO nanoneedle arrays. *Journal of Physical Chemistry B*, **2006**, 110, 8566-9	3.4	77
57	Structural, magnetic, and magnetoresistive properties of electrodeposited Ni5Zn21 alloy nanowires. *Journal of Physical Chemistry B*, **2006**, 110, 20158-65	3.4	9
56	Periodic ZnO nanorod arrays defined by polystyrene microsphere self-assembled monolayers. *Nano Letters*, **2006**, 6, 2375-8	11.5	123
55	Temperature dependence of the Raman spectra of individual carbon nanotubes. *Journal of Physical Chemistry B*, **2006**, 110, 1206-9	3.4	47
54	Postgrowth alignment of SWNTs by an electric field. *Carbon*, **2006**, 44, 170-173	10.4	5
53	X-ray absorption near-edge structure and photoelectron spectroscopy of single-walled carbon nanotubes modified by a HBr solution. *Carbon*, **2006**, 44, 866-872	10.4	33
52	The growth of carbon nanostructures in the channels of aligned carbon nanotubes. *Carbon*, **2006**, 44, 1310-1313	10.4	6
51	Human fibrinogen adsorption onto single-walled carbon nanotube films. *Colloids and Surfaces B: Biointerfaces*, **2006**, 49, 66-70	6	19
50	Ring formation from the direct floating catalytic chemical vapor deposition. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 33, 24-27	3	16
49	Studies of bromine modified single-walled carbon nanotubes using photoelectron spectroscopy and density-functional theory. *Radiation Physics and Chemistry*, **2006**, 75, 1939-1942	2.5	5
48	Studies on silver nanodecahedrons synthesized by PVP-assisted N,N-dimethylformamide (DMF) reduction. *Journal of Crystal Growth*, **2006**, 289, 376-380	1.6	110
47	Low-temperature growth and photoluminescence property of ZnS nanoribbons. *Journal of Physical Chemistry B*, **2005**, 109, 18352-5	3.4	46
46	Growth mechanism of silver nanowires synthesized by polyvinylpyrrolidone-assisted polyol reduction. *Journal Physics D: Applied Physics*, **2005**, 38, 1061-1067	3	138

45	The influence of hydrogen on the growth of gallium catalyzed silicon oxide nanowires. *Journal of Physics and Chemistry of Solids*, **2005**, 66, 701-705	3.9	6
44	Silver nanowires with five-fold symmetric cross-section. *Journal of Crystal Growth*, **2005**, 276, 606-612	1.6	93
43	Synthesis and characterization of In2O3/SnO2 hetero-junction beaded nanowires. *Journal of Crystal Growth*, **2005**, 284, 73-79	1.6	33
42	Surface-enhanced resonant Raman spectroscopy (SERRS) of single-walled carbon nanotubes absorbed on the Ag-coated anodic aluminum oxide (AAO) surface. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 27, 469-473	3	2
41	Surface-enhanced Raman scattering from the individual metallic single-walled carbon nanotubes. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 28, 360-364	3	5
40	Controllable preparation and properties of single-/double-walled carbon nanotubes. *Science and Technology of Advanced Materials*, **2005**, 6, 725-735	7.1	13
39	Revealing two-competing processes in carrier dynamics of single-walled carbon nanotube films. *Chemical Physics Letters*, **2005**, 405, 300-303	2.5	4
38	Light-induced dielectric transparency in single-walled carbon nanotube films. *Chemical Physics Letters*, **2005**, 410, 298-301	2.5	11
37	Bulk-quantity synthesis of single-crystalline indium nitride nanobelts. *Chemical Physics Letters*, **2005** , 411, 361-365	2.5	10
36	Improving the blood compatibility of polyurethane using carbon nanotubes as fillers and its implications to cardiovascular surgery. *Journal of Biomedical Materials Research - Part A*, **2005**, 74, 208-14	5.4	73
35	Effects of single-walled carbon nanotubes on the functions of plasma proteins and potentials in vascular prostheses. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2005**, 1, 136-42	6	30
34	Synthesis of long indium nitride nanowires with uniform diameters in large quantities. *Small*, **2005**, 1, 1004-9	11	45
33	Growth of ZnO hexagonal nanoprisms. *Nanotechnology*, **2005**, 16, 2665-2669	3.4	49
32	Template-free synthesis of helical hexagonal microtubes of indium nitride. *Applied Physics Letters*, **2005**, 87, 063109	3.4	30
31	Anodizing Behavior of Aluminum Foil Patterned with SiO[sub 2] Mask. *Journal of the Electrochemical Society*, **2005**, 152, B411	3.9	6
30	Synthesis, optical, and magnetic properties of Zn1−xMnxS nanowires grown by thermal evaporation. *Journal of Crystal Growth*, **2004**, 271, 403-408	1.6	46
29	Multidimensional magnesium oxide nanostructures with cone-shaped branching. *Solid State Communications*, **2004**, 131, 485-488	1.6	11
28	Synthesis and characterization of a large amount of branched Ni2Si nanowires. *Applied Physics A: Materials Science and Processing*, **2004**, 79, 1853-1856	2.6	33

27	Direct Synthesis of a Macroscale Single-Walled Carbon Nanotube Non-Woven Material. *Advanced Materials*, **2004**, 16, 1529-1534	24	120
26	Machinable long PVP-stabilized silver nanowires. *Chemistry - A European Journal*, **2004**, 10, 4817-21	4.8	200
25	Growth of SnO2 nanowires with uniform branched structures. *Solid State Communications*, **2004**, 130, 89-94	1.6	137
24	Synthesis, structure, and photoluminescence of Zn2SnO4 single-crystal nanobelts and nanorings. *Solid State Communications*, **2004**, 131, 435-440	1.6	93
23	Growth and characterization of axially periodic Zn2SnO4 (ZTO) nanostructures. *Journal of Crystal Growth*, **2004**, 267, 177-183	1.6	84
22	The intrinsic temperature effect of Raman spectra of double-walled carbon nanotubes. *Chemical Physics Letters*, **2004**, 396, 372-376	2.5	20
21	Random Networks of Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry B*, **2004**, 108, 10751-10753	3.4	29
20	Evidence for the Monolayer Assembly of Poly(vinylpyrrolidone) on the Surfaces of Silver Nanowires. *Journal of Physical Chemistry B*, **2004**, 108, 12877-12881	3.4	226
19	Synthesis, characterization and self-assembly of silver nanowires. *Chemical Physics Letters*, **2003**, 380, 146-149	2.5	83
18	Producing cleaner double-walled carbon nanotubes in a floating catalyst system. *Carbon*, **2003**, 41, 2607-2611	5.4	25
17	Characterization of zinc oxide crystal nanowires grown by thermal evaporation of ZnS powders. *Chemical Physics Letters*, **2003**, 371, 337-341	2.5	46
16	A simple large-scale synthesis of coaxial nanocables: silicon carbide sheathed with silicon oxide. *Chemical Physics Letters*, **2003**, 375, 269-272	2.5	22
15	H2-assisted control growth of Si nanowires. *Journal of Crystal Growth*, **2003**, 257, 69-74	1.6	6
14	Formation of ZnS nanostructures by a simple way of thermal evaporation. *Journal of Crystal Growth* , **2003**, 258, 225-231	1.6	23
13	Raman Characterization and Tunable Growth of Double-Wall Carbon Nanotubes. *Journal of Physical Chemistry B*, **2003**, 107, 8760-8764	3.4	20
12	Temperature dependence of resonant Raman scattering in double-wall carbon nanotubes. *Applied Physics Letters*, **2003**, 82, 3098-3100	3.4	62
11	Resonant Raman scattering of double wall carbon nanotubes prepared by chemical vapor deposition method. *Journal of Applied Physics*, **2003**, 94, 5715-5719	2.5	13
10	Carbon Nanotubes-Based Electrocatalysts: Structural Regulation, Support Effect, and Synchrotron-Based Characterization. *Advanced Functional Materials*,2106684	15.6	1

9	Synchrotron-radiation spectroscopic identification towards diverse local environments of single-atom catalysts. *Journal of Materials Chemistry A*,	13	4
8	Synergistic Effect of Platinum Single Atoms and Nanoclusters Boosting Electrocatalytic Hydrogen Evolution. *CCS Chemistry*,2539-2547	7.2	10
7	In Situ Electrocatalytic Infrared Spectroscopy for Dynamic Reactions. *Journal of Physical Chemistry C*,	3.8	7
6	Cu2S derived copper nanoparticles: A platform for unraveling the role of surface reconstruction in efficient electrocatalytic CO2-to-C2H4 conversion. *Nano Research*,1	10	13
5	Probing self-optimization of carbon support in oxygen evolution reaction. *Nano Research*,1	10	8
4	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. *Nature Sustainability*,	22.1	48
3	Support induced phase engineering toward superior electrocatalyst. *Nano Research*,1	10	1
2	Surface Local Polarization Induced by Bismuth-Oxygen Vacancy Pairs Tuning Non-Covalent Interaction for CO2 Photoreduction. *Advanced Energy Materials*,2102389	21.8	11
1	Pure Aqueous Planar Microsupercapacitors with Ultrahigh Energy Density under Wide Temperature Ranges. *Advanced Functional Materials*,2203270	15.6	1