

Li Song

List of Publications by Citations

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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.

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	Large scale growth and characterization of atomic hexagonal boron nitride layers. <i>Nano Letters</i> , 2010 , 10, 3209-15	11.5	1961
475	Graphene quantum dots derived from carbon fibers. <i>Nano Letters</i> , 2012 , 12, 844-9	11.5	1779
474	Atomic layers of hybridized boron nitride and graphene domains. <i>Nature Materials</i> , 2010 , 9, 430-5	27	1764
473	Direct laser writing of micro-supercapacitors on hydrated graphite oxide films. <i>Nature Nanotechnology</i> , 2011 , 6, 496-500	28.7	1161
472	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8928-35	16.4	568
471	Super-stretchable, transparent carbon nanotube-based capacitive strain sensors for human motion detection. <i>Scientific Reports</i> , 2013 , 3, 3048	4.9	476
470	Refining Defect States in WO by Mo Doping: A Strategy for Tuning N Activation towards Solar-Driven Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9434-9443	16.4	462
469	Atomically dispersed platinum supported on curved carbon supports for efficient electrocatalytic hydrogen evolution. <i>Nature Energy</i> , 2019 , 4, 512-518	62.3	419
468	Direct growth of graphene/hexagonal boron nitride stacked layers. <i>Nano Letters</i> , 2011 , 11, 2032-7	11.5	413
467	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. <i>Nature Chemistry</i> , 2018 , 10, 924-931	17.6	379
466	Gram-Scale Aqueous Synthesis of Stable Few-Layered 1T-MoS ₂ : Applications for Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>Small</i> , 2015 , 11, 5556-64	11	374
465	A versatile MOF-based trap for heavy metal ion capture and dispersion. <i>Nature Communications</i> , 2018 , 9, 187	17.4	349
464	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. <i>Advanced Materials</i> , 2017 , 29, 1606570	24	320
463	Isolation of Cu Atoms in Pd Lattice: Forming Highly Selective Sites for Photocatalytic Conversion of CO to CH. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4486-4492	16.4	317
462	Directly synthesized strong, highly conducting, transparent single-walled carbon nanotube films. <i>Nano Letters</i> , 2007 , 7, 2307-11	11.5	307
461	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ . <i>Advanced Functional Materials</i> , 2016 , 26, 1169-1177	15.6	286
460	Ion Gated Synaptic Transistors Based on 2D van der Waals Crystals with Tunable Diffusive Dynamics. <i>Advanced Materials</i> , 2018 , 30, e1800195	24	271

459	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. <i>Nature Communications</i> , 2018 , 9, 2452	17.4	269
458	Single Nickel Atoms on Nitrogen-Doped Graphene Enabling Enhanced Kinetics of Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2019 , 31, e1903955	24	263
457	Nitrogen Vacancies on 2D Layered W N : A Stable and Efficient Active Site for Nitrogen Reduction Reaction. <i>Advanced Materials</i> , 2019 , 31, e1902709	24	258
456	Heterogeneous Single-Atom Catalyst for Visible-Light-Driven High-Turnover CO Reduction: The Role of Electron Transfer. <i>Advanced Materials</i> , 2018 , 30, e1704624	24	254
455	Tunable bandgap in graphene by the controlled adsorption of water molecules. <i>Small</i> , 2010 , 6, 2535-8	11	240
454	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3493-3498	16.4	237
453	Electronic Structure Reconfiguration toward Pyrite NiS via Engineered Heteroatom Defect Boosting Overall Water Splitting. <i>ACS Nano</i> , 2017 , 11, 11574-11583	16.7	227
452	Evidence for the Monolayer Assembly of Poly(vinylpyrrolidone) on the Surfaces of Silver Nanowires. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12877-12881	3.4	226
451	Amorphous nickel-cobalt complexes hybridized with 1T-phase molybdenum disulfide via hydrazine-induced phase transformation for water splitting. <i>Nature Communications</i> , 2017 , 8, 15377	17.4	219
450	Pyrazolate-Based Porphyrinic Metal-Organic Framework with Extraordinary Base-Resistance. <i>Journal of the American Chemical Society</i> , 2016 , 138, 914-9	16.4	212
449	Novel Liquid Precursor-Based Facile Synthesis of Large-Area Continuous, Single, and Few-Layer Graphene Films. <i>Chemistry of Materials</i> , 2010 , 22, 3457-3461	9.6	209
448	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrOx Electrocatalysts for Oxygen Evolution in Acidic Media. <i>Chem</i> , 2019 , 5, 445-459	16.2	205
447	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7062-7067	16.4	202
446	Electron-Doped 1T-MoS2 via Interface Engineering for Enhanced Electrocatalytic Hydrogen Evolution. <i>Chemistry of Materials</i> , 2017 , 29, 4738-4744	9.6	200
445	Implementing Metal-to-Ligand Charge Transfer in Organic Semiconductor for Improved Visible-Near-Infrared Photocatalysis. <i>Advanced Materials</i> , 2016 , 28, 6959-65	24	200
444	Machinable long PVP-stabilized silver nanowires. <i>Chemistry - A European Journal</i> , 2004 , 10, 4817-21	4.8	200
443	Heteroatom-Mediated Interactions between Ruthenium Single Atoms and an MXene Support for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1903841	24	197
442	Binary and ternary atomic layers built from carbon, boron, and nitrogen. <i>Advanced Materials</i> , 2012 , 24, 4878-95	24	197

441	Large-Scale Synthesis of Nitrogen-Rich Carbon Nitride Microfibers by Using Graphitic Carbon Nitride as Precursor. <i>Advanced Materials</i> , 2008 , 20, 1777-1781	24	195
440	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , 2019 , 4, 805-810	20.1	188
439	Strain dynamics of ultrathin VO ₂ film grown on TiO ₂ (001) and the associated phase transition modulation. <i>Nano Letters</i> , 2014 , 14, 4036-43	11.5	186
438	Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. <i>Chem</i> , 2019 , 5, 2865-2878	16.2	180
437	Framework-Porphyrin-Derived Single-Atom Bifunctional Oxygen Electrocatalysts and their Applications in Zn-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1900592	24	179
436	A Highly Efficient Metal-Free Oxygen Reduction Electrocatalyst Assembled from Carbon Nanotubes and Graphene. <i>Advanced Materials</i> , 2016 , 28, 4606-13	24	178
435	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. <i>Nature Communications</i> , 2019 , 10, 2840	17.4	177
434	2D heterostructure comprised of metallic 1T-MoS ₂ /Monolayer O-g-C ₃ N ₄ towards efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 220, 379-385	21.8	176
433	Atomic Iridium Incorporated in Cobalt Hydroxide for Efficient Oxygen Evolution Catalysis in Neutral Electrolyte. <i>Advanced Materials</i> , 2018 , 30, e1707522	24	174
432	Defective Carbon@P Nanoparticles Hybrids with Interfacial Charges Polarization for Efficient Bifunctional Oxygen Electrocatalysis. <i>Advanced Energy Materials</i> , 2018 , 8, 1703623	21.8	164
431	Enhanced thermopower of graphene films with oxygen plasma treatment. <i>ACS Nano</i> , 2011 , 5, 2749-55	16.7	162
430	Structural Self-Reconstruction of Catalysts in Electrocatalysis. <i>Accounts of Chemical Research</i> , 2018 , 51, 2968-2977	24.3	156
429	Lithiation-induced amorphization of Pd ₃ P ₂ S ₈ for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , 2018 , 1, 460-468	36.5	153
428	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117854	21.8	152
427	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7807-7814	16.4	151
426	Stable Metallic 1T-WS ₂ Nanoribbons Intercalated with Ammonia Ions: The Correlation between Structure and Electrical/Optical Properties. <i>Advanced Materials</i> , 2015 , 27, 4837-44	24	151
425	Achieving Efficient Alkaline Hydrogen Evolution Reaction over a Ni P Catalyst Incorporating Single-Atomic Ru Sites. <i>Advanced Materials</i> , 2020 , 32, e1906972	24	150
424	Individual Water-Filled Single-Walled Carbon Nanotubes as Hydroelectric Power Converters. <i>Advanced Materials</i> , 2008 , 20, 1772-1776	24	148

423	Synthesis of S-doped graphene by liquid precursor. <i>Nanotechnology</i> , 2012 , 23, 275605	3.4	145
422	2D Metal Organic Framework Nanosheet: A Universal Platform Promoting Highly Efficient Visible-Light-Induced Hydrogen Production. <i>Advanced Energy Materials</i> , 2019 , 9, 1803402	21.8	144
421	Growth mechanism of silver nanowires synthesized by polyvinylpyrrolidone-assisted polyol reduction. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1061-1067	3	138
420	Growth of SnO ₂ nanowires with uniform branched structures. <i>Solid State Communications</i> , 2004 , 130, 89-94	1.6	137
419	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. <i>Advanced Materials</i> , 2020 , 32, e2001755	24	136
418	Graphene Shape Control by Multistage Cutting and Transfer. <i>Advanced Materials</i> , 2009 , 21, 4487-4491	24	133
417	Atomic Cobalt Covalently Engineered Interlayers for Superior Lithium-Ion Storage. <i>Advanced Materials</i> , 2018 , 30, e1802525	24	129
416	Non-metal Single-Iodine-Atom Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12252-12257	16.4	127
415	Superfast-response and ultrahigh-power-density electromechanical actuators based on hierarchical carbon nanotube electrodes and chitosan. <i>Nano Letters</i> , 2011 , 11, 4636-41	11.5	127
414	Time-resolved ultrafast photocurrents and terahertz generation in freely suspended graphene. <i>Nature Communications</i> , 2012 , 3, 646	17.4	126
413	A simple method to synthesize continuous large area nitrogen-doped graphene. <i>Carbon</i> , 2012 , 50, 4476-4482	11.2	126
412	Tracking Structural Self-Reconstruction and Identifying True Active Sites toward Cobalt Oxychloride Precatalyst of Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2019 , 31, e1805127	24	126
411	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , 2018 , 3, 1198-1204	20.1	124
410	Monitoring a micromechanical process in macroscale carbon nanotube films and fibers. <i>Advanced Materials</i> , 2009 , 21, 603-8	24	124
409	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7240-7244	16.4	123
408	Periodic ZnO nanorod arrays defined by polystyrene microsphere self-assembled monolayers. <i>Nano Letters</i> , 2006 , 6, 2375-8	11.5	123
407	Kinetically Enhanced Electrochemical Redox of Polysulfides on Polymeric Carbon Nitrides for Improved Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25193-201	9.5	123
406	Microwave assisted one-pot synthesis of graphene quantum dots as highly sensitive fluorescent probes for detection of iron ions and pH value. <i>Talanta</i> , 2016 , 150, 54-60	6.2	122

405	Direct Synthesis of a Macroscale Single-Walled Carbon Nanotube Non-Woven Material. <i>Advanced Materials</i> , 2004 , 16, 1529-1534	24	120
404	Nickel Vacancies Boost Reconstruction in Nickel Hydroxide Electrocatalyst. <i>ACS Energy Letters</i> , 2018 , 3, 1373-1380	20.1	119
403	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. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 286-294	16.4	117
402	A unique semiconductor-metal-graphene stack design to harness charge flow for photocatalysis. <i>Advanced Materials</i> , 2014 , 26, 5689-95	24	116
401	Vertical 1T-MoS nanosheets with expanded interlayer spacing edged on a graphene frame for high rate lithium-ion batteries. <i>Nanoscale</i> , 2017 , 9, 6975-6983	7.7	115
400	Edge-Rich Fe-N Active Sites in Defective Carbon for Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2020 , 32, e2000966	24	113
399	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. <i>Nature Communications</i> , 2019 , 10, 704	17.4	112
398	Engineering the Electronic Structure of MoS ₂ Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. <i>ACS Catalysis</i> , 2018 , 8, 7585-7592	13.1	111
397	Coupling Solar Energy into Reactions: Materials Design for Surface Plasmon-Mediated Catalysis. <i>Small</i> , 2015 , 11, 3873-89	11	110
396	Studies on silver nanodecahedrons synthesized by PVP-assisted N,N-dimethylformamide (DMF) reduction. <i>Journal of Crystal Growth</i> , 2006 , 289, 376-380	1.6	110
395	Electrochemical Conversion of CO to Syngas with Controllable CO/H Ratios over Co and Ni Single-Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3033-3037	16.4	110
394	Rhenium-Doped and Stabilized MoS Atomic Layers with Basal-Plane Catalytic Activity. <i>Advanced Materials</i> , 2018 , 30, e1803477	24	110
393	Electrochemically Induced Metal-Organic-Framework-Derived Amorphous V ₂ O ₅ for Superior Rate Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22002-22006	16.4	99
392	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5201-5211	16.4	98
391	Stable 1T-MoSe and Carbon Nanotube Hybridized Flexible Film: Binder-Free and High-Performance Li-Ion Anode. <i>ACS Nano</i> , 2017 , 11, 6483-6491	16.7	96
390	Effect of carbon nanotubes on the mechanical properties and crystallization behavior of poly(ether ether ketone). <i>Composites Science and Technology</i> , 2010 , 70, 380-386	8.6	96
389	Effect of high-temperature thermal treatment on the structure and adsorption properties of reduced graphene oxide. <i>Carbon</i> , 2013 , 52, 608-612	10.4	95
388	Microwave-assisted facile synthesis of yellow fluorescent carbon dots from o-phenylenediamine for cell imaging and sensitive detection of Fe ³⁺ and H ₂ O ₂ . <i>RSC Advances</i> , 2016 , 6, 17704-17712	3.7	93

387	Synthesis, structure, and photoluminescence of Zn ₂ SnO ₄ single-crystal nanobelts and nanorings. <i>Solid State Communications</i> , 2004 , 131, 435-440	1.6	93
386	Silver nanowires with five-fold symmetric cross-section. <i>Journal of Crystal Growth</i> , 2005 , 276, 606-612	1.6	93
385	Transfer printing of graphene using gold film. <i>ACS Nano</i> , 2009 , 3, 1353-6	16.7	92
384	Pt ₄ PdCu _{0.4} alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. <i>Nano Energy</i> , 2017 , 39, 532-538	17.1	84
383	Palladium-Based Nanomaterials: A Platform to Produce Reactive Oxygen Species for Catalyzing Oxidation Reactions. <i>Advanced Materials</i> , 2015 , 27, 7025-42	24	84
382	Growth and characterization of axially periodic Zn ₂ SnO ₄ (ZTO) nanostructures. <i>Journal of Crystal Growth</i> , 2004 , 267, 177-183	1.6	84
381	High-power lithium-selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. <i>Nature Communications</i> , 2020 , 11, 5025	17.4	84
380	Nickel Diselenide Ultrathin Nanowires Decorated with Amorphous Nickel Oxide Nanoparticles for Enhanced Water Splitting Electrocatalysis. <i>Small</i> , 2017 , 13, 1701487	11	83
379	Synthesis, characterization and self-assembly of silver nanowires. <i>Chemical Physics Letters</i> , 2003 , 380, 146-149	2.5	83
378	Suppression of Structural Phase Transition in VO ₂ by Epitaxial Strain in Vicinity of Metal-insulator Transition. <i>Scientific Reports</i> , 2016 , 6, 23119	4.9	83
377	Zn ₃ [Fe(CN) ₆] ₂ derived Fe/Fe ₅ C ₂ @N-doped carbon as a highly effective oxygen reduction reaction catalyst for zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 197-205	21.8	81
376	Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Nano</i> , 2019 , 13, 12969-12979	16.7	80
375	A New Cubic Phase for a NaYF ₄ Host Matrix Offering High Upconversion Luminescence Efficiency. <i>Advanced Materials</i> , 2015 , 27, 5528-33	24	80
374	In situ Integration of a Metallic 1T-MoS ₂ /CdS Heterostructure as a Means to Promote Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2016 , 8, 2614-2619	5.2	80
373	Optical bifunctionality of europium-complexed luminescent graphene nanosheets. <i>Nano Letters</i> , 2011 , 11, 5227-33	11.5	79
372	Promotion of Overall Water Splitting Activity Over a Wide pH Range by Interfacial Electrical Effects of Metallic NiCo-nitrides Nanoparticle/NiCoO Nanoflake/graphite Fibers. <i>Advanced Science</i> , 2019 , 6, 1801829	13.6	78
371	Accelerating CO ₂ Electroreduction to CO Over Pd Single-Atom Catalyst. <i>Advanced Functional Materials</i> , 2020 , 30, 2000407	15.6	77
370	Growth mechanism, photoluminescence, and field-emission properties of ZnO nanoneedle arrays. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8566-9	3.4	77

- 369 Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. *Nature*, **2020**, 577, 492-496. 50.4 76
- 368 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
- 367 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
- 366 Solvothermal synthesis of ternary Cu₂ MoS₄ nanosheets: structural characterization at the atomic level. *Small*, **2014**, 10, 4637-44 11 74
- 365 Atomic Vacancies Control of Pd-Based Catalysts for Enhanced Electrochemical Performance. *Advanced Materials*, **2018**, 30, 1704171 24 74
- 364 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
- 363 Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. *Advanced Energy Materials*, **2020**, 10, 2002215 21.8 73
- 362 Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO₂ reduction into CH₄. *Nano Research*, **2017**, 10, 3396-3406 10 72
- 361 Zirconium Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. *Angewandte Chemie*, **2018**, 130, 3551-3556 3.6 72
- 360 Highly Defective Fe-Based Oxyhydroxides from Electrochemical Reconstruction for Efficient Oxygen Evolution Catalysis. *ACS Energy Letters*, **2018**, 3, 861-868 20.1 71
- 359 Structural Regulation and Support Coupling Effect of Single-Atom Catalysts for Heterogeneous Catalysis. *Advanced Energy Materials*, **2020**, 10, 2001482 21.8 71
- 358 Atomic Sn⁴⁺ Decorated into Vanadium Carbide MXene Interlayers for Superior Lithium Storage. *Advanced Energy Materials*, **2019**, 9, 1802977 21.8 71
- 357 Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. *Advanced Functional Materials*, **2017**, 27, 1604639 15.6 69
- 356 In Situ Growth of Cobalt Nanoparticles Encapsulated Nitrogen-Doped Carbon Nanotubes among Ti₃C₂T_x (MXene) Matrix for Oxygen Reduction and Evolution. *Advanced Materials Interfaces*, **2018**, 5, 1800392 4.6 69
- 355 Confined Fe-Cu Clusters as Sub-Nanometer Reactors for Efficiently Regulating the Electrochemical Nitrogen Reduction Reaction. *Advanced Materials*, **2020**, 32, e2004382 24 69
- 354 Atmospheric-Pressure Synthesis of 2D Nitrogen-Rich Tungsten Nitride. *Advanced Materials*, **2018**, 30, e1805655 24 69
- 353 Surfactant encapsulated palladium-polyoxometalates: controlled assembly and their application as single-atom catalysts. *Chemical Science*, **2016**, 7, 1011-1015 9.4 68
- 352 Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H₂ Evolution. *ACS Nano*, **2019**, 13, 11294-11302 16.7 66

351	Tailoring the Structure of Carbon Nanomaterials toward High-End Energy Applications. <i>Advanced Materials</i> , 2018 , 30, e1802104	24	65
350	Single-atom molybdenum immobilized on photoactive carbon nitride as efficient photocatalysts for ambient nitrogen fixation in pure water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19831-19837	13	65
349	Multifunctional WS @Poly(ethylene imine) Nanoplatfoms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2776-2787	10.1	65
348	Single photon emission from plasma treated 2D hexagonal boron nitride. <i>Nanoscale</i> , 2018 , 10, 7957-7965	7.7	64
347	Using single-walled carbon nanotubes nonwoven films as scaffolds to enhance long-term cell proliferation in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 79, 298-306	5.4	64
346	Tunable electronics in large-area atomic layers of boron-nitrogen-carbon. <i>Nano Letters</i> , 2013 , 13, 3476-81	1.5	63
345	Biofano interaction of proteins adsorbed on single-walled carbon nanotubes. <i>Carbon</i> , 2009 , 47, 967-973	10.4	62
344	Highly dense and perfectly aligned single-walled carbon nanotubes fabricated by diamond wire drawing dies. <i>Nano Letters</i> , 2008 , 8, 1071-5	11.5	62
343	Temperature dependence of resonant Raman scattering in double-wall carbon nanotubes. <i>Applied Physics Letters</i> , 2003 , 82, 3098-3100	3.4	62
342	Preparation of the TiO/Graphic Carbon Nitride Core-Shell Array as a Photoanode for Efficient Photoelectrochemical Water Splitting. <i>Langmuir</i> , 2016 , 32, 13322-13332	4	62
341	Delaminating Vanadium Carbides for Zinc-Ion Storage: Hydrate Precipitation and H ⁺ /Zn ²⁺ Co-Action Mechanism. <i>Small Methods</i> , 2019 , 3, 1900495	12.8	61
340	Sol-gel design strategy for embedded Na ₃ V ₂ (PO ₄) ₃ particles into carbon matrices for high-performance sodium-ion batteries. <i>Carbon</i> , 2016 , 96, 1028-1033	10.4	61
339	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. <i>Nature Communications</i> , 2017 , 8, 1559	17.4	57
338	Processing and performance improvements of SWNT paper reinforced PEEK nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 388-392	8.4	56
337	Unsaturated-sulfur-rich MoS ₂ nanosheets decorated on free-standing SWNT film: Synthesis, characterization and electrocatalytic application. <i>Nano Research</i> , 2016 , 9, 2079-2087	10	56
336	Nanoscale TiO ₂ membrane coating spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode material for advanced lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 705, 413-419	5.7	55
335	Amorphous Molybdenum Sulfide/Carbon Nanotubes Hybrid Nanospheres Prepared by Ultrasonic Spray Pyrolysis for Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2017 , 13, 1700111	11	55
334	Atomically dispersed Fe-N-P-C complex electrocatalysts for superior oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 306-315	21.8	55

333	Crystallographic-plane tuned Prussian-blue wrapped with RGO: a high-capacity, long-life cathode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3569-3577	13	54
332	High-Loading Nickel Cobaltate Nanoparticles Anchored on Three-Dimensional N-Doped Graphene as an Efficient Bifunctional Catalyst for Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18060-8	9.5	54
331	Control of the metal-insulator transition in VO ₂ epitaxial film by modifying carrier density. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6875-81	9.5	52
330	Tuning 2D MXenes by Surface Controlling and Interlayer Engineering: Methods, Properties, and Synchrotron Radiation Characterizations. <i>Advanced Functional Materials</i> , 2020 , 30, 2000869	15.6	52
329	Boosting Electrocatalytic Ammonia Production through Mimicking "Back-Donation". <i>Chem</i> , 2020 , 6, 2690-2702	16.2	52
328	Free-standing SWNTs/VO ₂ /Mica hierarchical films for high-performance thermochromic devices. <i>Nano Energy</i> , 2017 , 31, 144-151	17.1	50
327	Carbon-coated MoO ₂ dispersed in three-dimensional graphene aerogel for lithium-ion battery. <i>Electrochimica Acta</i> , 2015 , 174, 8-14	6.7	50
326	A Directional Synthesis for Topological Defect in Carbon. <i>Chem</i> , 2020 , 6, 2009-2023	16.2	49
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18	Carbon Nanotubes-Based Electrocatalysts: Structural Regulation, Support Effect, and Synchrotron-Based Characterization. <i>Advanced Functional Materials</i> , 2106684	15.6	1
17	Superconducting properties and topological nodal lines features in centrosymmetric Sn _{0.5} TaSe ₂ . <i>Nano Research</i> , 2021 , 14, 2613-2619	10	1
16	Electrocatalytic Synthesis of Hydrogen Peroxide over Au/TiO and Electrochemical Trace of OOH* Intermediate. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 4280-4285	4.5	1
15	Cortical thickness distinguishes between major depression and schizophrenia in adolescents. <i>BMC Psychiatry</i> , 2021 , 21, 361	4.2	1
14	Interfacial Roles: Defective Carbon-CoP Nanoparticles Hybrids with Interfacial Charges Polarization for Efficient Bifunctional Oxygen Electrocatalysis(Adv. Energy Mater. 18/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870087	21.8	1
13	Size dependence of electronic property in CVD-grown single-crystal graphene. <i>Materials Research Express</i> , 2018 , 5, 075005	1.7	1
12	Support induced phase engineering toward superior electrocatalyst. <i>Nano Research</i> , 1	10	1
11	Ultrasensitive dual-quenching electrochemiluminescence immunosensor for prostate specific antigen detection based on graphitic carbon nitride quantum dots as an emitter. <i>Mikrochimica Acta</i> , 2021 , 188, 350	5.8	1
10	3D VCT-rGO Architectures with Optimized Ion Transport Channels toward Fast Lithium-Ion Storage.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61258-61266	9.5	1

9	Pure Aqueous Planar Microsupercapacitors with Ultrahigh Energy Density under Wide Temperature Ranges. <i>Advanced Functional Materials</i> , 2020, 12, 2203270	15.6	1
8	Photothermal Therapy: Multifunctional WS ₂ @Polyetherimide Nanoplatfoms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer (Adv. Healthcare Mater. 21/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 2834-2834	10.1	0
7	Confined Growth of Carbon Nanotubes in Nanocutting Channel on Highly Oriented Pyrolytic Graphite. <i>Nano</i> , 2018, 13, 1850071	1.1	0
6	Ppm-level Cu dopant on ultrathin Pd nanosheets/TiO ₂ for highly enhanced photocatalytic alcoholysis of epoxides. <i>Applied Catalysis B: Environmental</i> , 2022, 271, 121211	21.8	0
5	Support Effects in Electrocatalysis and Their Synchrotron Radiation-Based Characterizations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11543-11554	6.4	0
4	Probing lattice vibration and surface electronic state in a layered (NH ₄) ₂ V ₃ O ₈ single crystal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4185-4189	7.1	
3	Performance analysis of quantitative phase retrieval method in Zernike phase contrast X-ray microscopy. <i>Chinese Physics C</i> , 2016, 40, 029001	2.2	
2	Effects of the Openness to Experience Polygenic Score on Cortical Thickness and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2020, 14, 607912	5.1	
1	Coexistence of the hourglass and nodal-line dispersions in NbSiTe revealed by ARPES. <i>IScience</i> , 2022, 25, 103952	6.1	