Yadong Li

List of Publications by Citations

433 papers	56,955 citations	124 h-index	230 g-index
464 ext. papers	71,174 ext. citations	12.5 avg, IF	8.33 L-index

#	Paper	IF	Citations
433	A general strategy for nanocrystal synthesis. *Nature*, **2005**, 437, 121-4	50.4	2257
432	Highly crystalline multimetallic nanoframes with three-dimensional electrocatalytic surfaces. *Science*, **2014**, 343, 1339-43	33.3	1989
431	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. *Angewandte Chemie - International Edition*, **2016**, 55, 10800-5	16.4	1397
430	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 6937-6941	16.4	1138
429	Core-Shell ZIF-8@ZIF-67-Derived CoP Nanoparticle-Embedded N-Doped Carbon Nanotube Hollow Polyhedron for Efficient Overall Water Splitting. *Journal of the American Chemical Society*, **2018**, 140, 2610-2618	16.4	1073
428	Single-Atom Catalysts: Synthetic Strategies and Electrochemical Applications. *Joule*, **2018**, 2, 1242-1264	27.8	1046
427	General synthesis and definitive structural identification of MN4C4 single-atom catalysts with tunable electrocatalytic activities. *Nature Catalysis*, **2018**, 1, 63-72	36.5	968
426	Nearly Monodisperse Cu2O and CuO Nanospheres: Preparation and Applications for Sensitive Gas Sensors. *Chemistry of Materials*, **2006**, 18, 867-871	9.6	966
425	Enhanced catalytic activity of ceria nanorods from well-defined reactive crystal planes. *Journal of Catalysis*, **2005**, 229, 206-212	7.3	916
424	Selected-control hydrothermal synthesis of alpha- and beta-MnO(2) single crystal nanowires. *Journal of the American Chemical Society*, **2002**, 124, 2880-1	16.4	910
423	Bimetallic nanocrystals: liquid-phase synthesis and catalytic applications. *Advanced Materials*, **2011**, 23, 1044-60	24	901
422	Synthesis and characterization of ion-exchangeable titanate nanotubes. *Chemistry - A European Journal*, **2003**, 9, 2229-38	4.8	835
421	Ionic Exchange of Metal-Organic Frameworks to Access Single Nickel Sites for Efficient Electroreduction of CO. *Journal of the American Chemical Society*, **2017**, 139, 8078-8081	16.4	825
420	Design of N-Coordinated Dual-Metal Sites: A Stable and Active Pt-Free Catalyst for Acidic Oxygen Reduction Reaction. *Journal of the American Chemical Society*, **2017**, 139, 17281-17284	16.4	815
419	Selective synthesis of Co3O4 nanocrystal with different shape and crystal plane effect on catalytic property for methane combustion. *Journal of the American Chemical Society*, **2008**, 130, 16136-7	16.4	785
418	Single platinum atoms immobilized on an MXene as an efficient catalyst for the hydrogen evolution reaction. *Nature Catalysis*, **2018**, 1, 985-992	36.5	739
417	Catalysis based on nanocrystals with well-defined facets. *Angewandte Chemie - International Edition* , **2012**, 51, 602-13	16.4	641

416	Design of Single-Atom Co-N Catalytic Site: A Robust Electrocatalyst for CO Reduction with Nearly 100% CO Selectivity and Remarkable Stability. *Journal of the American Chemical Society*, **2018**, 140, 4218-4221	16.4	634
415	Green chemistry for nanoparticle synthesis. *Chemical Society Reviews*, **2015**, 44, 5778-92	58.5	625
414	Regulation of Coordination Number over Single Co Sites: Triggering the Efficient Electroreduction of CO. *Angewandte Chemie - International Edition*, **2018**, 57, 1944-1948	16.4	607
413	Removal and Utilization of Capping Agents in Nanocatalysis. *Chemistry of Materials*, **2014**, 26, 72-83	9.6	543
412	Direct transformation of bulk copper into copper single sites via emitting and trapping of atoms. *Nature Catalysis*, **2018**, 1, 781-786	36.5	492
411	Hollow Zn/Co ZIF Particles Derived from Core-Shell ZIF-67@ZIF-8 as Selective Catalyst for the Semi-Hydrogenation of Acetylene. *Angewandte Chemie - International Edition*, **2015**, 54, 10889-93	16.4	491
410	Defect Effects on TiO Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. *Advanced Materials*, **2018**, 30, 1705369	24	474
409	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. *Nature Nanotechnology*, **2018**, 13, 856-861	28.7	471
408	Surface effects on elastic properties of silver nanowires: Contact atomic-force microscopy. *Physical Review B*, **2006**, 73,	3.3	446
407	Bismuth nanotubes: a rational low-temperature synthetic route. *Journal of the American Chemical Society*, **2001**, 123, 9904-5	16.4	445
406	Hollow N-Doped Carbon Spheres with Isolated Cobalt Single Atomic Sites: Superior Electrocatalysts for Oxygen Reduction. *Journal of the American Chemical Society*, **2017**, 139, 17269-17272	16.4	444
405	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. *Nature Communications*, **2018**, 9, 5422	17.4	431
404	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. *Nature Catalysis*, **2019**, 2, 304-313	36.5	420
403	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. *Chemical Reviews*, **2020**, 120, 623-682	68.1	407
402	Use of carbonaceous polysaccharide microspheres as templates for fabricating metal oxide hollow spheres. *Chemistry - A European Journal*, **2006**, 12, 2039-47	4.8	406
401	Synthesis and catalytic properties of bimetallic nanomaterials with various architectures. *Nano Today*, **2012**, 7, 448-466	17.9	405
400	One-pot synthesis and bioapplication of amine-functionalized magnetite nanoparticles and hollow nanospheres. *Chemistry - A European Journal*, **2006**, 12, 6341-7	4.8	401
399	Uncoordinated Amine Groups of Metal-Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. *Journal of the American Chemical Society*, **2017**, 139, 9419-9422	16.4	389

398	Chemical Synthesis of Single Atomic Site Catalysts. *Chemical Reviews*, **2020**, 120, 11900-11955	68.1	368
397	Tuning the Coordination Environment in Single-Atom Catalysts to Achieve Highly Efficient Oxygen Reduction Reactions. *Journal of the American Chemical Society*, **2019**, 141, 20118-20126	16.4	352
396	Ultrathin rhodium nanosheets. *Nature Communications*, **2014**, 5, 3093	17.4	350
395	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. *Advanced Materials*, **2018**, 30, e1800588	24	338
394	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO. *Nature Chemistry*, **2019**, 11, 222-228	17.6	337
393	Metal organic frameworks derived single atom catalysts for electrocatalytic energy conversion. *Nano Research*, **2019**, 12, 2067-2080	10	320
392	Atomic site electrocatalysts for water splitting, oxygen reduction and selective oxidation. *Chemical Society Reviews*, **2020**, 49, 2215-2264	58.5	309
391	A Bimetallic Zn/Fe Polyphthalocyanine-Derived Single-Atom Fe-N Catalytic Site:A Superior Trifunctional Catalyst for Overall Water Splitting and Zn-Air Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 8614-8618	16.4	305
390	Single Tungsten Atoms Supported on MOF-Derived N-Doped Carbon for Robust Electrochemical Hydrogen Evolution. *Advanced Materials*, **2018**, 30, e1800396	24	302
389	Shape-dependent catalytic activity of silver nanoparticles for the oxidation of styrene. *Chemistry - an Asian Journal*, **2006**, 1, 888-93	4.5	302
388	Ultrathin nickel hydroxide and oxide nanosheets: synthesis, characterizations and excellent supercapacitor performances. *Scientific Reports*, **2014**, 4, 5787	4.9	301
387	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 16086-16090	16.4	299
386	Review of Metal Catalysts for Oxygen Reduction Reaction: From Nanoscale Engineering to Atomic Design. *CheM*, **2019**, 5, 1486-1511	16.2	297
385	Modulating the local coordination environment of single-atom catalysts for enhanced catalytic performance. *Nano Research*, **2020**, 13, 1842-1855	10	297
384	Syntheses of water-soluble octahedral, truncated octahedral, and cubic Pt-Ni nanocrystals and their structure-activity study in model hydrogenation reactions. *Journal of the American Chemical Society*, **2012**, 134, 8975-81	16.4	295
383	Defect engineering in earth-abundant electrocatalysts for CO2 and N2 reduction. *Energy and Environmental Science*, **2019**, 12, 1730-1750	35.4	293
382	Synergistic effect of well-defined dual sites boosting the oxygen reduction reaction. *Energy and Environmental Science*, **2018**, 11, 3375-3379	35.4	276
381	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. *Journal of the American Chemical Society*, **2017**, 139, 5285-5288	16.4	274

380	Improved ethanol electrooxidation performance by shortening Pd-Ni active site distance in Pd-Ni-P nanocatalysts. *Nature Communications*, **2017**, 8, 14136	17.4	272
379	Porous Molybdenum Phosphide Nano-Octahedrons Derived from Confined Phosphorization in UIO-66 for Efficient Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2016**, 55, 12854-8	16.4	269
378	High-Performance RhP Electrocatalyst for Efficient Water Splitting. *Journal of the American Chemical Society*, **2017**, 139, 5494-5502	16.4	267
377	Bismuth Single Atoms Resulting from Transformation of Metal-Organic Frameworks and Their Use as Electrocatalysts for CO Reduction. *Journal of the American Chemical Society*, **2019**, 141, 16569-16573	16.4	267
376	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. *Angewandte Chemie*, **2016**, 128, 10958-10963	3.6	259
375	Ultrathin Icosahedral Pt-Enriched Nanocage with Excellent Oxygen Reduction Reaction Activity. *Journal of the American Chemical Society*, **2016**, 138, 1494-7	16.4	255
374	Electronic structure and d-band center control engineering over M-doped CoP (M = Ni, Mn, Fe) hollow polyhedron frames for boosting hydrogen production. *Nano Energy*, **2019**, 56, 411-419	17.1	252
373	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2017**, 129, 7041-7045	3.6	241
372	Surface active sites on Co3O4 nanobelt and nanocube model catalysts for CO oxidation. *Nano Research*, **2010**, 3, 363-368	10	240
371	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. *Journal of the American Chemical Society*, **2017**, 139, 7294-7301	16.4	238
370	Tuning defects in oxides at room temperature by lithium reduction. *Nature Communications*, **2018**, 9, 1302	17.4	225
369	Oxides@C Core–Shell Nanostructures: One-Pot Synthesis, Rational Conversion, and Li Storage Property. *Chemistry of Materials*, **2006**, 18, 3486-3494	9.6	222
368	Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12692-12697	11.5	222
367	Engineering unsymmetrically coordinated Cu-SN single atom sites with enhanced oxygen reduction activity. *Nature Communications*, **2020**, 11, 3049	17.4	210
366	Boosting Oxygen Reduction Catalysis with FeN4 Sites Decorated Porous Carbons toward Fuel Cells. *ACS Catalysis*, **2019**, 9, 2158-2163	13.1	209
365	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. *Nature Nanotechnology*, **2020**, 15, 390-397	28.7	208
364	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. *Nature Chemistry*, **2020**, 12, 764-772	17.6	207
363	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon-Nanosphere-Supported Metal Isolated-Single-Atomic-Site Catalysts. *Advanced Materials*, **2018**, 30, e1706508	24	203

362	Electronic structure engineering to boost oxygen reduction activity by controlling the coordination of the central metal. *Energy and Environmental Science*, **2018**, 11, 2348-2352	35.4	203
361	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. *Angewandte Chemie - International Edition*, **2020**, 59, 1295-1301	16.4	197
360	Metal (Hydr)oxides@Polymer Core-Shell Strategy to Metal Single-Atom Materials. *Journal of the American Chemical Society*, **2017**, 139, 10976-10979	16.4	193
359	Constructing NiCo/FeO Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. *Journal of the American Chemical Society*, **2018**, 140, 15336-15341	16.4	193
358	Electronic Metal-Support Interaction of Single-Atom Catalysts and Applications in Electrocatalysis. *Advanced Materials*, **2020**, 32, e2003300	24	191
357	Trifunctional Self-Supporting Cobalt-Embedded Carbon Nanotube Films for ORR, OER, and HER Triggered by Solid Diffusion from Bulk Metal. *Advanced Materials*, **2019**, 31, e1808043	24	186
356	Solid-Diffusion Synthesis of Single-Atom Catalysts Directly from Bulk Metal for Efficient CO2 Reduction. *Joule*, **2019**, 3, 584-594	27.8	186
355	Design of ultrathin Pt-Mo-Ni nanowire catalysts for ethanol electrooxidation. *Science Advances*, **2017**, 3, e1603068	14.3	181
354	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. *Angewandte Chemie - International Edition*, **2021**, 60, 3212-3221	16.4	180
353	Cation vacancy stabilization of single-atomic-site Pt/Ni(OH) catalyst for diboration of alkynes and alkenes. *Nature Communications*, **2018**, 9, 1002	17.4	179
352	Regulation of Coordination Number over Single Co Sites: Triggering the Efficient Electroreduction of CO2. *Angewandte Chemie*, **2018**, 130, 1962-1966	3.6	176
351	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. *Journal of the American Chemical Society*, **2019**, 141, 4505-4509	16.4	174
350	Nanocrystalline intermetallics and alloys. *Nano Research*, **2010**, 3, 574-580	10	172
349	Atomically Dispersed Copper-Platinum Dual Sites Alloyed with Palladium Nanorings Catalyze the Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 16047-16051	16.4	164
348	Carbon nitride supported Fe cluster catalysts with superior performance for alkene epoxidation. *Nature Communications*, **2018**, 9, 2353	17.4	162
347	Single-atom catalysis enables long-life, high-energy lithium-sulfur batteries. *Nano Research*, **2020**, 13, 1856-1866	10	161
346	Nanocrystals: Solution-based synthesis and applications as nanocatalysts. *Nano Research*, **2009**, 2, 30-46	10	159
345	Atomically dispersed Au1 catalyst towards efficient electrochemical synthesis of ammonia. *Science Bulletin*, **2018**, 63, 1246-1253	10.6	158

344	Nanocrystals from solutions: catalysts. *Chemical Society Reviews*, **2014**, 43, 2112-24	58.5	158
343	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru Clusters for Efficient Oxidation of Alcohols. *Journal of the American Chemical Society*, **2017**, 139, 9795-9798	16.4	157
342	Recent advances in the precise control of isolated single-site catalysts by chemical methods. *National Science Review*, **2018**, 5, 673-689	10.8	153
341	High-Concentration Single Atomic Pt Sites on Hollow CuSx for Selective O2 Reduction to H2O2 in Acid Solution. *CheM*, **2019**, 5, 2099-2110	16.2	152
340	Platinum-nickel frame within metal-organic framework fabricated in situ for hydrogen enrichment and molecular sieving. *Nature Communications*, **2015**, 6, 8248	17.4	152
339	Highly Active and Selective Catalysis of Bimetallic Rh3Ni1 Nanoparticles in the Hydrogenation of Nitroarenes. *ACS Catalysis*, **2013**, 3, 608-612	13.1	151
338	The synthesis of nanocrystalline anatase and rutile titania in mixed organic media. *Inorganic Chemistry*, **2001**, 40, 5210-4	5.1	151
337	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. *Nano Research*, **2020**, 13, 3082-3087	10	149
336	Fabrication of Single-Atom Catalysts with Precise Structure and High Metal Loading. *Advanced Materials*, **2018**, 30, e1801649	24	149
335	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO Reduction. *Angewandte Chemie - International Edition*, **2020**, 59, 10651-10657	16.4	148
334	Discovering Partially Charged Single-Atom Pt for Enhanced Anti-Markovnikov Alkene Hydrosilylation. *Journal of the American Chemical Society*, **2018**, 140, 7407-7410	16.4	147
333	Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction. *Advanced Materials*, **2019**, 31, e1800426	24	147
332	Single-Atom Materials: Small Structures Determine Macroproperties. *Small Structures*, **2021**, 2, 2000051	8.7	147
331	Accelerating water dissociation kinetics by isolating cobalt atoms into ruthenium lattice. *Nature Communications*, **2018**, 9, 4958	17.4	147
330	Interface-mediated growth of monodispersed nanostructures. *Accounts of Chemical Research*, **2007**, 40, 635-43	24.3	146
329	Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. *Energy and Environmental Science*, **2019**, 12, 3508-3514	35.4	146
328	A general synthesis approach for amorphous noble metal nanosheets. *Nature Communications*, **2019**, 10, 4855	17.4	145
327	A photochromic composite with enhanced carrier separation for the photocatalytic activation of benzylic C–H bonds in toluene. *Nature Catalysis*, **2018**, 1, 704-710	36.5	144

326	Strain Engineering to Enhance the Electrooxidation Performance of Atomic-Layer Pt on Intermetallic PtGa. *Journal of the American Chemical Society*, **2018**, 140, 2773-2776	16.4	141
325	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. *Angewandte Chemie - International Edition*, **2018**, 57, 9495-9500	16.4	140
324	Oleylamine-mediated shape evolution of palladium nanocrystals. *Angewandte Chemie - International Edition*, **2011**, 50, 6315-9	16.4	140
323	Photoinduction of Cu Single Atoms Decorated on UiO-66-NH for Enhanced Photocatalytic Reduction of CO to Liquid Fuels. *Journal of the American Chemical Society*, **2020**, 142, 19339-19345	16.4	138
322	Quantitative Study of Charge Carrier Dynamics in Well-Defined WO Nanowires and Nanosheets: Insight into the Crystal Facet Effect in Photocatalysis. *Journal of the American Chemical Society*, **2018**, 140, 9078-9082	16.4	137
321	Highly branched PtNi nanocrystals enclosed by stepped surface for methanol oxidation. *Chemical Science*, **2012**, 3, 1925	9.4	136
320	Solvothermal synthesis of lithium iron phosphate nanoplates. *Journal of Materials Chemistry*, **2011**, 21, 9994		136
319	Designing Atomic Active Centers for Hydrogen Evolution Electrocatalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 20794-20812	16.4	136
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317	Single-atom site catalysts for environmental catalysis. *Nano Research*, **2020**, 13, 3165-3182	10	134
316	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. *Nature Catalysis*, **2021**, 4, 407-417	36.5	134
315	Synergistically Interactive Pyridinic-N-MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. *Angewandte Chemie - International Edition*, **2020**, 59, 8982-8990	16.4	134
314	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. *Nature Communications*, **2018**, 9, 3861	17.4	132
313	Isolated Fe and Co dual active sites on nitrogen-doped carbon for a highly efficient oxygen reduction reaction. *Chemical Communications*, **2018**, 54, 4274-4277	5.8	128
312	General synthesis of colloidal rare earth orthovanadate nanocrystals. *Journal of Materials Chemistry* , **2007**, 17, 1797		127
311	Hollow Zn/Co ZIF Particles Derived from Core–Shell ZIF-67@ZIF-8 as Selective Catalyst for the Semi-Hydrogenation of Acetylene. *Angewandte Chemie*, **2015**, 127, 11039-11043	3.6	126
310	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. *Journal of the American Chemical Society*, **2019**, 141, 9305-9311	16.4	124
309	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co-PN Interfacial Structure for Promoting Catalytic Performance. *Journal of the American Chemical Society*, **2020**, 142, 8431-8439	16.4	123

308	Flexible SnS nanobelts: Facile synthesis, formation mechanism and application in Li-ion batteries. *Nano Research*, **2013**, 6, 55-64	10	122
307	Unraveling the enzyme-like activity of heterogeneous single atom catalyst. *Chemical Communications*, **2019**, 55, 2285-2288	5.8	120
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304	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. *Nature Communications*, **2019**, 10, 4875	17.4	119
303	Ordered Porous Nitrogen-Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of N-Heterocycles. *Angewandte Chemie - International Edition*, **2018**, 57, 11262-11266	16.4	119
302	Metal/oxide interfacial effects on the selective oxidation of primary alcohols. *Nature Communications*, **2017**, 8, 14039	17.4	115
301	Discovery of main group single SbN4 active sites for CO2 electroreduction to formate with high efficiency. *Energy and Environmental Science*, **2020**, 13, 2856-2863	35.4	113
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299	Ultrasmall Cu7 S4 @MoS2 Hetero-Nanoframes with Abundant Active Edge Sites for Ultrahigh-Performance Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2016**, 55, 6502-5	16.4	110
298	Ultralong Single-Crystalline Ag2S Nanowires: Promising Candidates for Photoswitches and Room-Temperature Oxygen Sensors. *Advanced Materials*, **2008**, 20, 2628-2632	24	109
297	Size and shape control of LiFePO4 nanocrystals for better lithium ion battery cathode materials. *Nano Research*, **2013**, 6, 469-477	10	108
296	Structural Regulation with Atomic-Level Precision: From Single-Atomic Site to Diatomic and Atomic Interface Catalysis. *Matter*, **2020**, 2, 78-110	12.7	107
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292	Titania supported synergistic palladium single atoms and nanoparticles for room temperature ketone and aldehydes hydrogenation. *Nature Communications*, **2020**, 11, 48	17.4	101
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289	One-step accurate synthesis of shell controllable CoFe2O4 hollow microspheres as high-performance electrode materials in supercapacitor. *Nano Research*, **2016**, 9, 2026-2033	10	99
288	Cobalt single atom site catalysts with ultrahigh metal loading for enhanced aerobic oxidation of ethylbenzene. *Nano Research*, **2021**, 14, 2418	10	99
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286	Controlled synthesis of wurtzite CuInS2 nanocrystals and their side-by-side nanorod assemblies. *CrystEngComm*, **2011**, 13, 4039	3.3	94
285	Single-Crystal Metal Nanoplatelets:Cobalt, Nickel, Copper, and Silver. *Crystal Growth and Design*, **2007**, 7, 1904-1911	3.5	94
284	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. *Angewandte Chemie - International Edition*, **2019**, 58, 4271-4275	16.4	92
283	From surfactant-inorganic mesostructures to tungsten nanowires. *Angewandte Chemie - International Edition*, **2002**, 41, 333-5	16.4	92
282	Defect-dominated shape recovery of nanocrystals: a new strategy for trimetallic catalysts. *Journal of the American Chemical Society*, **2013**, 135, 12220-3	16.4	88
281	LiMn2O4 microspheres: Synthesis, characterization and use as a cathode in lithium ion batteries. *Nano Research*, **2010**, 3, 733-737	10	88
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279	Atomic-scale engineering of chemical-vapor-deposition-grown 2D transition metal dichalcogenides for electrocatalysis. *Energy and Environmental Science*, **2020**, 13, 1593-1616	35.4	86
278	Porous Molybdenum Phosphide Nano-Octahedrons Derived from Confined Phosphorization in UIO-66 for Efficient Hydrogen Evolution. *Angewandte Chemie*, **2016**, 128, 13046-13050	3.6	86
277	Mesoporous Nitrogen-Doped Carbon-Nanosphere-Supported Isolated Single-Atom Pd Catalyst for Highly Efficient Semihydrogenation of Acetylene. *Advanced Materials*, **2019**, 31, e1901024	24	84
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275	Porphyrin-like Fe-N4 sites with sulfur adjustment on hierarchical porous carbon for different rate-determining steps in oxygen reduction reaction. *Nano Research*, **2018**, 11, 6260-6269	10	83
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