

Shao-Jun Guo

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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.

412
papers

48,895
citations

117
h-index

209
g-index

440
ext. papers

56,487
ext. citations

13.9
avg, IF

8.28
L-index

#	Paper	IF	Citations
412	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. <i>Materials Today</i> , 2022 ,	21.8	5
411	Aldehyde replacement advances efficient hydrogen production in electrolyser 2022 , 100001		
410	Role of binary metal chalcogenides in extending the limits of energy storage systems: Challenges and possible solutions. <i>Science China Materials</i> , 2022 , 65, 559-592	7.1	1
409	Janus-like B C/C Quantum Sheets with Z-Scheme Mechanism Strengthen Tumor Photothermal-Immunotherapy in NIR-II Biowindow.. <i>Small Methods</i> , 2022 , e2101551	12.8	0
408	Local coordination regulation through tuning atomic scale cavities of Pd metallene toward efficient oxygen reduction electrocatalysis.. <i>Advanced Materials</i> , 2022 , e2202084	24	12
407	Atomically Dispersed Cu Catalyst for Efficient Chemoselective Hydrogenation Reaction. <i>Nano Letters</i> , 2021 ,	11.5	34
406	Cr-Doped Pd Metallene Endows a Practical Formaldehyde Sensor New Limit and High Selectivity. <i>Advanced Materials</i> , 2021 , e2105276	24	8
405	Two Birds with One Stone: Interfacial Engineering of Multifunctional Janus Separator for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , e2107638	24	11
404	Structural Regulation of Pd-Based Nanoalloys for Advanced Electrocatalysis. <i>Small Science</i> , 2021 , 1, 2100061		17
403	Emerging Small Science on Nanomaterials for Energy Storage and Catalysis. <i>Small Science</i> , 2021 , 1, 2100101		1
402	Lewis-Acidic PtIr Multipods Enable High-Performance Li-O Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26592-26598	16.4	18
401	Lewis-Acidic PtIr Multipods Enable High-Performance LiO ₂ Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 26796	3.6	2
400	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8243-8250	16.4	55
399	Tunable Covalent Organic Frameworks with Different Heterocyclic Nitrogen Locations for Efficient Cr(VI) Reduction, Disinfection, and Paracetamol Degradation under Visible-Light Irradiation. <i>Environmental Science & Technology</i> , 2021 , 55, 5371-5381	10.3	17
398	Noble metal-free electrocatalytic materials for water splitting in alkaline electrolyte. <i>EnergyChem</i> , 2021 , 3, 100053	36.9	21
397	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. <i>Angewandte Chemie</i> , 2021 , 133, 8324-8331	3.6	1
396	Ni _{1-x} CoxSe ₂ /C/ZnIn ₂ S ₄ Hybrid Nanocages with Strong 2D/2D Hetero-Interface Interaction Enable Efficient H ₂ -Releasing Photocatalysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2100923	15.6	32

395	Direct Observation of Heterogeneous Surface Reactivity and Reconstruction on Terminations of Grain Boundaries of Platinum 2021 , 3, 622-629		3
394	SnS Nanosheets Anchored on Nitrogen and Sulfur Co-Doped MXene Sheets for High-Performance Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17668-17676	9.5	13
393	Material design and structure optimization for rechargeable lithium-sulfur batteries. <i>Matter</i> , 2021 , 4, 1142-1188	12.7	30
392	High Optical Gain of Solution-Processed Mixed-Cation CsPbBr ₃ Thin Films towards Enhanced Amplified Spontaneous Emission. <i>Advanced Functional Materials</i> , 2021 , 31, 2102210	15.6	12
391	Au Clusters on Pd Nanosheets Selectively Switch the Pathway of Ethanol Electrooxidation: Amorphous/Crystalline Interface Matters. <i>Advanced Energy Materials</i> , 2021 , 11, 2100187	21.8	34
390	Partially reduced Pd single atoms on CdS nanorods enable photocatalytic reforming of ethanol into high value-added multicarbon compound. <i>Chem</i> , 2021 , 7, 1033-1049	16.2	17
389	A Unique Gas-Migration, Trapping, and Emitting Strategy for High-Loading Single Atomic Cd Sites for Carbon Dioxide Electroreduction. <i>Nano Letters</i> , 2021 , 21, 4262-4269	11.5	13
388	High-Index Faceted PdPtCu Ultrathin Nanorings Enable Highly Active and Stable Oxygen Reduction Electrocatalysis.. <i>Small Methods</i> , 2021 , 5, e2100154	12.8	12
387	Cesium Lead Bromide Perovskite-Based Lithium-Oxygen Batteries. <i>Nano Letters</i> , 2021 , 21, 4861-4867	11.5	13
386	Recent progress on precious metal single atom materials for water splitting catalysis. <i>SusMat</i> , 2021 , 1, 194-210		26
385	High Valence M-Incorporated PdCu Nanoparticles (M = Ir, Rh, Ru) for Water Electrolysis in Alkaline Solution. <i>Nano Letters</i> , 2021 , 21, 5774-5781	11.5	5
384	Orthorhombic Cobalt Ditelluride with Te Vacancy Defects Anchoring on Elastic MXene Enables Efficient Potassium-Ion Storage. <i>Advanced Materials</i> , 2021 , 33, e2100272	24	20
383	Carbon-based anode materials for potassium-ion batteries: From material, mechanism to performance. <i>SmartMat</i> , 2021 , 2, 176-201	22.8	11
382	Nanocellulose and Its Derivatives toward Advanced Lithium Sulfur Batteries 2021 , 3, 1130-1142		4
381	One Nanometer PtIr Nanowires as High-Efficiency Bifunctional Catalysts for Electrosynthesis of Ethanol into High Value-Added Multicarbon Compound Coupled with Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10822-10827	16.4	23
380	3D star-like atypical hybrid MOF derived single-atom catalyst boosts oxygen reduction catalysis. <i>Journal of Energy Chemistry</i> , 2021 , 55, 355-360	12	46
379	Spiny Pd/PtFe core/shell nanotubes with rich high-index facets for efficient electrocatalysis. <i>Science Bulletin</i> , 2021 , 66, 44-51	10.6	14
378	WO _x -Surface Decorated PtNi@Pt Dendritic Nanowires as Efficient pH-Universal Hydrogen Evolution Electrocatalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2003192	21.8	27

377	Fluorination-enabled Reconstruction of NiFe Electrocatalysts for Efficient Water Oxidation. <i>Nano Letters</i> , 2021 , 21, 492-499	11.5	77
376	Carbon-coated ultrathin metallic V ₅ Se ₈ nanosheet for high-energy-density and robust potassium storage. <i>Energy Storage Materials</i> , 2021 , 35, 1-11	19.4	19
375	Linking melem with conjugated Schiff-base bonds to boost photocatalytic efficiency of carbon nitride for overall water splitting. <i>Nanoscale</i> , 2021 , 13, 9315-9321	7.7	9
374	A highly efficient atomically thin curved PdIr bimetallic electrocatalyst. <i>National Science Review</i> , 2021 , 8, nwab019	10.8	27
373	Single-atom Pt-I sites on all-inorganic CsSnI ₃ perovskite for efficient photocatalytic hydrogen production. <i>Nature Communications</i> , 2021 , 12, 4412	17.4	24
372	Emerging Dual-Atomic-Site Catalysts for Efficient Energy Catalysis. <i>Advanced Materials</i> , 2021 , 33, e2102576	5.76	51
371	Segmented Au/PtCo heterojunction nanowires for efficient formic acid oxidation catalysis. <i>Fundamental Research</i> , 2021 , 1, 453-460		2
370	Supramolecular Anchoring Strategy for Facile Production of Ruthenium Nanoparticles Embedded in N-Doped Mesoporous Carbon Nanospheres for Efficient Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32997-33005	9.5	1
369	Sub-Monolayer YO ₂ /MoO ₃ on Ultrathin Pt Nanowires Boosts Alcohol Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2021 , 33, e2103762	24	31
368	PtSe ₂ /Pt Heterointerface with Reduced Coordination for Boosted Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23388-23393	16.4	45
367	PtSe ₂ /Pt Heterointerface with Reduced Coordination for Boosted Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 23576	3.6	15
366	Achieving High-Performance 3D K ⁺ -Pre-intercalated Ti ₃ C ₂ MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26246-26253	16.4	13
365	Proton selective adsorption on PtNi nano-thorn array electrodes for superior hydrogen evolution activity. <i>Energy and Environmental Science</i> , 2021 , 14, 1594-1601	35.4	17
364	A mechanistic study of electrode materials for rechargeable batteries beyond lithium ions by in situ transmission electron microscopy. <i>Energy and Environmental Science</i> , 2021 , 14, 2670-2707	35.4	10
363	Pt-on-Pd Dendritic Nanosheets with Enhanced Bifunctional Fuel Cell Catalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30336-30342	9.5	12
362	Ultrathin RuRh Alloy Nanosheets Enable High-Performance Lithium-CO ₂ Battery. <i>Matter</i> , 2020 , 2, 1494-1508	15.08	39
361	Metal-organic framework-derived Fe/Cu-substituted Co nanoparticles embedded in CNTs-grafted carbon polyhedron for Zn-air batteries 2020 , 2, 283-293		46
360	Editorial for special issue on metal-based materials for energy catalysis. <i>Rare Metals</i> , 2020 , 39, 748-750	5.5	4

359	Lavender-Like Ga-Doped Pt ₃ Co Nanowires for Highly Stable and Active Electrocatalysis. <i>ACS Catalysis</i> , 2020 , 10, 3018-3026	13.1	42
358	A Freestanding Flexible Single-Atom Cobalt-Based Multifunctional Interlayer toward Reversible and Durable Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020 , 4, 1900701	12.8	66
357	A General Method for Transition Metal Single Atoms Anchored on Honeycomb-Like Nitrogen-Doped Carbon Nanosheets. <i>Advanced Materials</i> , 2020 , 32, e1906905	24	97
356	Single Atom Array Mimic on Ultrathin MOF Nanosheets Boosts the Safety and Life of Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020 , 32, e1906722	24	104
355	A Dual Protection System for Heterostructured 3D CNT/CoSe/C as High Areal Capacity Anode for Sodium Storage. <i>Advanced Science</i> , 2020 , 7, 1902907	13.6	50
354	Recent Advances on Water-Splitting Electrocatalysis Mediated by Noble-Metal-Based Nanostructured Materials. <i>Advanced Energy Materials</i> , 2020 , 10, 1903120	21.8	273
353	A Three-Dimensional Carbon Framework Constructed by N/S Co-doped Graphene Nanosheets with Expanded Interlayer Spacing Facilitates Potassium Ion Storage. <i>ACS Energy Letters</i> , 2020 , 5, 1653-1661	20.1	99
352	In situ construction of amorphous hierarchical iron oxyhydroxide nanotubes via selective dissolution-regrowth strategy for enhanced lithium storage. <i>Science China Materials</i> , 2020 , 63, 1993-2001 ^{7.1}	7.1	4
351	Ultrathin RuRh@(RuRh)O ₂ core@shell nanosheets as stable oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15746-15751	13	10
350	Precious metal nanocrystals for renewable energy electrocatalysis: structural design and controlled synthesis. <i>Dalton Transactions</i> , 2020 , 49, 267-273	4.3	8
349	Atomically Dispersed Co-P on CdS Nanorods with Electron-Rich Feature Boosts Photocatalysis. <i>Advanced Materials</i> , 2020 , 32, e1904249	24	53
348	Efficient Bifacial Passivation with Crosslinked Thioctic Acid for High-Performance Methylammonium Lead Iodide Perovskite Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e1905661	24	72
347	Pd@Au Bimetallic Nanoplates Decorated Mesoporous MnO for Synergistic Nucleus-Targeted NIR-II Photothermal and Hypoxia-Relieved Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901528	10.1	44
346	High-index faceted noble metal nanostructures drive renewable energy electrocatalysis. <i>Nano Materials Science</i> , 2020 , 2, 309-315	10.2	9
345	SnSe ₂ nanocrystals coupled with hierarchical porous carbon microspheres for long-life sodium ion battery anode. <i>Science China Materials</i> , 2020 , 63, 483-491	7.1	17
344	Designing noble metal single-atom-loaded two-dimension photocatalyst for N ₂ and CO ₂ reduction via anion vacancy engineering. <i>Science Bulletin</i> , 2020 , 65, 720-725	10.6	36
343	Metal Single Atom Strategy Greatly Boosts Photocatalytic Methyl Activation and C ₁ Coupling for the Coproduction of High-Value-Added Multicarbon Compounds and Hydrogen. <i>ACS Catalysis</i> , 2020 , 10, 9109-9114	13.1	21
342	A Non-Invasive Nanoprobe for In Vivo Photoacoustic Imaging of Vulnerable Atherosclerotic Plaque. <i>Advanced Materials</i> , 2020 , 32, e2000037	24	19

341	Boosted Oxygen Evolution Reactivity via Atomic Iron Doping in Cobalt Carbonate Hydroxide Hydrate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40220-40228	9.5	19
340	Atomic PdAu Interlayer Sandwiched into Pd/Pt Core/Shell Nanowires Achieves Superstable Oxygen Reduction Catalysis. <i>ACS Nano</i> , 2020 , 14, 11570-11578	16.7	37
339	Long-life lithium-O ₂ battery achieved by integrating quasi-solid electrolyte and highly active Pt ₃ Co nanowires catalyst. <i>Energy Storage Materials</i> , 2020 , 24, 707-713	19.4	15
338	Ir-Based Alloy Nanoflowers with Optimized Hydrogen Binding Energy as Bifunctional Electrocatalysts for Overall Water Splitting. <i>Small Methods</i> , 2020 , 4, 1900129	12.8	50
337	MOF derived Co ₃ O ₄ /N-doped carbon nanotubes hybrids as efficient catalysts for sensitive detection of H ₂ O ₂ and glucose. <i>Chinese Chemical Letters</i> , 2020 , 31, 774-778	8.1	39
336	Interface modulation of twinned PtFe nanoplates branched 3D architecture for oxygen reduction catalysis. <i>Science Bulletin</i> , 2020 , 65, 97-104	10.6	21
335	Palladium Single Atoms on TiO ₂ as a Photocatalytic Sensing Platform for Analyzing the Organophosphorus Pesticide Chlorpyrifos. <i>Angewandte Chemie</i> , 2020 , 132, 238-242	3.6	14
334	Palladium Single Atoms on TiO as a Photocatalytic Sensing Platform for Analyzing the Organophosphorus Pesticide Chlorpyrifos. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 232-236	16.4	46
333	Intermetallic PtBi Nanoplates Boost Oxygen Reduction Catalysis with Superior Tolerance over Chemical Fuels. <i>Advanced Science</i> , 2020 , 7, 1800178	13.6	32
332	Recent Advances in Rechargeable Magnesium-Based Batteries for High-Efficiency Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1903591	21.8	68
331	Modulating the surface segregation of PdCuRu nanocrystals for enhanced all-pH hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20151-20157	13	27
330	Trifunctional Fishbone-like PtCo/Ir Enables High-Performance Zinc-Air Batteries to Drive the Water-Splitting Catalysis. <i>Chemistry of Materials</i> , 2019 , 31, 8136-8144	9.6	37
329	Enhanced Cathode and Anode Compatibility for Boosting Both Energy and Power Densities of Na/K-Ion Hybrid Capacitors. <i>Matter</i> , 2019 , 1, 893-910	12.7	44
328	Modification of TiO Nanoparticles with Organodiboron Molecules Inducing Stable Surface Ti Complex. <i>IScience</i> , 2019 , 20, 195-204	6.1	14
327	A new dual-ion battery based on amorphous carbon. <i>Science Bulletin</i> , 2019 , 64, 1634-1642	10.6	30
326	PdMo bimetallic for oxygen reduction catalysis. <i>Nature</i> , 2019 , 574, 81-85	50.4	456
325	Noble metal-based 1D and 2D electrocatalytic nanomaterials: Recent progress, challenges and perspectives. <i>Nano Today</i> , 2019 , 28, 100774	17.9	47
324	MXene/Si@SiO ₂ @C Layer-by-Layer Superstructure with Autoadjustable Function for Superior Stable Lithium Storage. <i>ACS Nano</i> , 2019 , 13, 2167-2175	16.7	127

323	Ethanol-Precipitable, Silica-Passivated Perovskite Nanocrystals Incorporated into Polystyrene Microspheres for Long-Term Storage and Reusage. <i>Angewandte Chemie</i> , 2019 , 131, 2825-2829	3.6	10
322	An efficient ultrathin PtFeNi Nanowire/Ionic liquid conjugate electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117828	21.8	26
321	Advanced Multifunctional Electrocatalysts for Energy Conversion. <i>ACS Energy Letters</i> , 2019 , 4, 1672-1680	0.1	43
320	Recent Advances on Black Phosphorus for Biomedicine and Biosensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1900318	15.6	106
319	Strain engineering of metal-based nanomaterials for energy electrocatalysis. <i>Chemical Society Reviews</i> , 2019 , 48, 3265-3278	58.5	215
318	Synergetic interaction between neighboring platinum and ruthenium monomers boosts CO oxidation. <i>Chemical Science</i> , 2019 , 10, 5898-5905	9.4	71
317	Freestanding film made by necklace-like N-doped hollow carbon with hierarchical pores for high-performance potassium-ion storage. <i>Energy and Environmental Science</i> , 2019 , 12, 1605-1612	35.4	253
316	Core-Shell Architecture Advances Oxygen Electrocatalysis. <i>Chem</i> , 2019 , 5, 260-262	16.2	8
315	Lattice -Mismatch-Induced Ultrastable 1T-Phase MoS-Pd/Au for Plasmon-Enhanced Hydrogen Evolution. <i>Nano Letters</i> , 2019 , 19, 2758-2764	11.5	64
314	Coupled and decoupled hierarchical carbon nanomaterials toward high-energy-density quasi-solid-state Na-Ion hybrid energy storage devices. <i>Energy Storage Materials</i> , 2019 , 23, 530-538	19.4	19
313	Electronic-Structure Tuning of Water-Splitting Nanocatalysts. <i>Trends in Chemistry</i> , 2019 , 1, 259-271	14.8	55
312	Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. <i>Advanced Materials</i> , 2019 , 31, e1805833	24	132
311	Atomically Transition Metals on Self-Supported Porous Carbon Flake Arrays as Binder-Free Air Cathode for Wearable Zinc-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1808267	24	265
310	Ultrathin two-dimensional metallic nanocrystals for renewable energy electrocatalysis. <i>Materials Today</i> , 2019 , 23, 45-56	21.8	39
309	BiOCl/ultrathin polyaniline core/shell nanosheets with a sensitization mechanism for efficient visible-light-driven photocatalysis. <i>Science China Materials</i> , 2019 , 62, 95-102	7.1	6
308	Face-to-face engineering of ultrathin Pd nanosheets on amorphous carbon nitride for efficient photocatalytic hydrogen production. <i>Science China Materials</i> , 2019 , 62, 351-358	7.1	35
307	Zn-O Dual-Spin Surface State Formation by Modification of ZnO Nanoparticles with Diboron Compounds. <i>Langmuir</i> , 2019 , 35, 14173-14179	4	5
306	The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co ₃ O ₄ Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 13978-13982	3.6	30

305	Recent progress on synthesis, structure and electrocatalytic applications of MXenes. <i>FlatChem</i> , 2019 , 17, 100129	5.1	23
304	MnO ₂ -Laden Black Phosphorus for MRI-Guided Synergistic PDT, PTT, and Chemotherapy. <i>Matter</i> , 2019 , 1, 496-512	12.7	78
303	Ni@RuM (M=Ni or Co) core@shell nanocrystals with high mass activity for overall water-splitting catalysis. <i>Science China Materials</i> , 2019 , 62, 1868-1876	7.1	14
302	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie</i> , 2019 , 131, 14322-14326	3.6	20
301	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14184-14188	16.4	70
300	The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co O Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13840-13844	16.4	244
299	A 3D Trilayered CNT/MoSe ₂ /C Heterostructure with an Expanded MoSe ₂ Interlayer Spacing for an Efficient Sodium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1900567	21.8	132
298	Recent advances in confining metal-based nanoparticles into carbon nanotubes for electrochemical energy conversion and storage devices. <i>Energy and Environmental Science</i> , 2019 , 12, 2924-2956	35.4	104
297	Single-atom cobalt array bound to distorted 1T MoS with ensemble effect for hydrogen evolution catalysis. <i>Nature Communications</i> , 2019 , 10, 5231	17.4	204
296	Interfacial Engineering in PtNiCo/NiCoS Nanowires for Enhanced Electrocatalysis and Electroanalysis. <i>Chemistry - A European Journal</i> , 2019 , 26, 4032	4.8	6
295	Efficient Bifunctional Polyalcohol Oxidation and Oxygen Reduction Electrocatalysts Enabled by Ultrathin PtPdM (M = Ni, Fe, Co) Nanosheets. <i>Advanced Energy Materials</i> , 2019 , 9, 1800684	21.8	64
294	Co-doped 1T-MoS ₂ nanosheets embedded in N, S-doped carbon nanobowls for high-rate and ultra-stable sodium-ion batteries. <i>Nano Research</i> , 2019 , 12, 2218-2223	10	59
293	Grafting Benzenediazonium Tetrafluoroborate onto LiNi _x Co _y Mn _z O ₂ Materials Achieves Subzero-Temperature High-Capacity Lithium-Ion Storage via a Diazonium Soft-Chemistry Method. <i>Advanced Energy Materials</i> , 2019 , 9, 1802946	21.8	31
292	Silk-Derived Highly Active Oxygen Electrocatalysts for Flexible and Rechargeable Zn/Air Batteries. <i>Chemistry of Materials</i> , 2019 , 31, 1023-1029	9.6	65
291	Strongly Coupled Nickel-Cobalt Nitrides/Carbon Hybrid Nanocages with Pt-Like Activity for Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2019 , 31, e1805541	24	184
290	Strengthening reactive metal-support interaction to stabilize high-density Pt single atoms on electron-deficient g-C ₃ N ₄ for boosting photocatalytic H ₂ production. <i>Nano Energy</i> , 2019 , 56, 127-137	17.1	155
289	Multimetallic Electrocatalyst Stabilized by Atomic Ordering. <i>Joule</i> , 2019 , 3, 9-10	27.8	9
288	Ethanol-Precipitable, Silica-Passivated Perovskite Nanocrystals Incorporated into Polystyrene Microspheres for Long-Term Storage and Reusage. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2799-2803	16.4	21

287	Rh-doped PdAg nanoparticles as efficient methanol tolerance electrocatalytic materials for oxygen reduction. <i>Science Bulletin</i> , 2019 , 64, 54-62	10.6	20
286	Ultrathin Visible-Light-Driven Mo Incorporating In O -ZnIn Se Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1807226	24	115
285	Multimetal Borides Nanochains as Efficient Electrocatalysts for Overall Water Splitting. <i>Small</i> , 2019 , 15, e1804212	11	83
284	Philosophy driven rigid-flexible hybrid ionogel electrolyte for high-performance lithium battery. <i>Nano Energy</i> , 2018 , 47, 35-42	17.1	51
283	Hollow Si/SiO _x nanosphere/nitrogen-doped carbon superstructure with a double shell and void for high-rate and long-life lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8039-8046	13	95
282	Palladium-based nanoelectrocatalysts for renewable energy generation and conversion. <i>Materials Today Nano</i> , 2018 , 1, 29-40	9.7	22
281	Rational Design of MXene/1T-2H MoS ₂ -C Nanohybrids for High-Performance Lithium Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707578	15.6	220
280	A Universal Strategy for Intimately Coupled Carbon Nanosheets/MoM Nanocrystals (M = P, S, C, and O) Hierarchical Hollow Nanospheres for Hydrogen Evolution Catalysis and Sodium-Ion Storage. <i>Advanced Materials</i> , 2018 , 30, e1706085	24	125
279	Tunable Free-Standing Core-Shell CNT@MoSe Anode for Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14622-14631	9.5	58
278	Strongly Coupled Carbon Nanosheets/Molybdenum Carbide Nanocluster Hollow Nanospheres for High-Performance Aprotic Li-O Battery. <i>Small</i> , 2018 , 14, e1704366	11	28
277	Ionogel Electrolytes for High-Performance Lithium Batteries: A Review. <i>Advanced Energy Materials</i> , 2018 , 8, 1702675	21.8	122
276	Intermetallic Pd ₃ Pb Nanoplates Enhance Oxygen Reduction Catalysis with Excellent Methanol Tolerance. <i>Small Methods</i> , 2018 , 2, 1700331	12.8	46
275	Coupled s-p-d Exchange in Facet-Controlled Pd ₃ Pb Tripods Enhances Oxygen Reduction Catalysis. <i>CheM</i> , 2018 , 4, 359-371	16.2	68
274	Enhanced electron transfer and light absorption on imino polymer capped PdAg nanowire networks for efficient room-temperature dehydrogenation of formic acid. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1979-1984	13	37
273	Stable High-Index Faceted Pt Skin on Zigzag-Like PtFe Nanowires Enhances Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2018 , 30, 1705515	24	223
272	A Universal Strategy for Hollow Metal Oxide Nanoparticles Encapsulated into B/N Co-Doped Graphitic Nanotubes as High-Performance Lithium-Ion Battery Anodes. <i>Advanced Materials</i> , 2018 , 30, 1705441	24	276
271	Barrier-free Interface Electron Transfer on PtFe-Fe ₂ C Janus-like Nanoparticles Boosts Oxygen Catalysis. <i>CheM</i> , 2018 , 4, 1153-1166	16.2	56
270	Sulfur/Oxygen Codoped Porous Hard Carbon Microspheres for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1800171	21.8	272

269	Short-Range Order in Mesoporous Carbon Boosts Potassium-Ion Battery Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1701648	21.8	351
268	Ultrathin PtPd-Based Nanorings with Abundant Step Atoms Enhance Oxygen Catalysis. <i>Advanced Materials</i> , 2018 , 30, e1802136	24	72
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