

Shao-Jun Guo

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412
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209
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440
ext. papers

56,487
ext. citations

13.9
avg, IF

8.28
L-index

#	Paper	IF	Citations
4 ¹²	Reducing sugar: new functional molecules for the green synthesis of graphene nanosheets. <i>ACS Nano</i> , 2010 , 4, 2429-37	16.7	1145
4 ¹¹	Graphene nanosheet: synthesis, molecular engineering, thin film, hybrids, and energy and analytical applications. <i>Chemical Society Reviews</i> , 2011 , 40, 2644-72	58.5	1085
4 ¹⁰	Three-dimensional Pt-on-Pd bimetallic nanodendrites supported on graphene nanosheet: facile synthesis and used as an advanced nanoelectrocatalyst for methanol oxidation. <i>ACS Nano</i> , 2010 , 4, 547-55	16.7	1041
4 ⁰⁹	Monodisperse Au nanoparticles for selective electrocatalytic reduction of CO ₂ to CO. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16833-6	16.4	958
4 ⁰⁸	Biaxially strained PtPb/Pt core/shell nanoplate boosts oxygen reduction catalysis. <i>Science</i> , 2016 , 354, 1410-1414	33.3	950
4 ⁰⁷	Tuning nanoparticle catalysis for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8526-44	16.4	808
4 ⁰⁶	Earth-Abundant Nanomaterials for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2650-76	16.4	760
4 ⁰⁵	Bamboo-like carbon nanotube/Fe ₃ C nanoparticle hybrids and their highly efficient catalysis for oxygen reduction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1436-9	16.4	683
4 ⁰⁴	Noble metal nanomaterials: Controllable synthesis and application in fuel cells and analytical sensors. <i>Nano Today</i> , 2011 , 6, 240-264	17.9	661
4 ⁰³	Platinum nanoparticle ensemble-on-graphene hybrid nanosheet: one-pot, rapid synthesis, and used as new electrode material for electrochemical sensing. <i>ACS Nano</i> , 2010 , 4, 3959-68	16.7	660
4 ⁰²	Black Phosphorus Nanosheet-Based Drug Delivery System for Synergistic Photodynamic/Photothermal/Chemotherapy of Cancer. <i>Advanced Materials</i> , 2017 , 29, 1603864	24	635
4 ⁰¹	FePt nanoparticles assembled on graphene as enhanced catalyst for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2492-5	16.4	581
4 ⁰⁰	Synthesis and electrochemical applications of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2007 , 598, 181-88	16.7	570
399	Cyclodextrin functionalized graphene nanosheets with high supramolecular recognition capability: synthesis and host-guest inclusion for enhanced electrochemical performance. <i>ACS Nano</i> , 2010 , 4, 4001-10	16.7	543
398	A metal-organic framework route to in situ encapsulation of Co@Co ₃ O ₄ @C core@shell nanoparticles into a highly ordered porous carbon matrix for oxygen reduction. <i>Energy and Environmental Science</i> , 2015 , 8, 568-576	35.4	511
397	Hemin-graphene hybrid nanosheets with intrinsic peroxidase-like activity for label-free colorimetric detection of single-nucleotide polymorphism. <i>ACS Nano</i> , 2011 , 5, 1282-90	16.7	511
396	Towards high-efficiency nanoelectrocatalysts for oxygen reduction through engineering advanced carbon nanomaterials. <i>Chemical Society Reviews</i> , 2016 , 45, 1273-307	58.5	510

395	Precise tuning in platinum-nickel/nickel sulfide interface nanowires for synergistic hydrogen evolution catalysis. <i>Nature Communications</i> , 2017 , 8, 14580	17.4	503
394	Surface engineering of hierarchical platinum-cobalt nanowires for efficient electrocatalysis. <i>Nature Communications</i> , 2016 , 7, 11850	17.4	494
393	Strain-controlled electrocatalysis on multimetallic nanomaterials. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	472
392	PdMo bimetallic for oxygen reduction catalysis. <i>Nature</i> , 2019 , 574, 81-85	50.4	456
391	2D Monolayer MoS ₂ /Carbon Interoverlapped Superstructure: Engineering Ideal Atomic Interface for Lithium Ion Storage. <i>Advanced Materials</i> , 2015 , 27, 3687-95	24	441
390	Spectral and Dynamical Properties of Single Excitons, Biexcitons, and Trions in Cesium-Lead-Halide Perovskite Quantum Dots. <i>Nano Letters</i> , 2016 , 16, 2349-62	11.5	426
389	Easy synthesis and imaging applications of cross-linked green fluorescent hollow carbon nanoparticles. <i>ACS Nano</i> , 2012 , 6, 400-9	16.7	409
388	Oxygen Vacancies Dominated NiS /CoS Interface Porous Nanowires for Portable Zn-Air Batteries Driven Water Splitting Devices. <i>Advanced Materials</i> , 2017 , 29, 1704681	24	400
387	Rational design of MnO/carbon nanopeapods with internal void space for high-rate and long-life li-ion batteries. <i>ACS Nano</i> , 2014 , 8, 6038-46	16.7	388
386	Metal-Free Carbon Materials for CO Electrochemical Reduction. <i>Advanced Materials</i> , 2017 , 29, 1701784	24	385
385	High-sensitivity determination of lead and cadmium based on the Nafion-graphene composite film. <i>Analytica Chimica Acta</i> , 2009 , 649, 196-201	6.6	374
384	Room Temperature Single-Photon Emission from Individual Perovskite Quantum Dots. <i>ACS Nano</i> , 2015 , 9, 10386-93	16.7	372
383	PdM (M = Pt, Au) bimetallic alloy nanowires with enhanced electrocatalytic activity for electro-oxidation of small molecules. <i>Advanced Materials</i> , 2012 , 24, 2326-31	24	367
382	Co/CoO nanoparticles assembled on graphene for electrochemical reduction of oxygen. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11770-3	16.4	364
381	FePt and CoPt nanowires as efficient catalysts for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3465-8	16.4	361
380	Chemically doped fluorescent carbon and graphene quantum dots for bioimaging, sensor, catalytic and photoelectronic applications. <i>Nanoscale</i> , 2016 , 8, 2532-43	7.7	356
379	NiO/CoN Porous Nanowires as Efficient Bifunctional Catalysts for Zn-Air Batteries. <i>ACS Nano</i> , 2017 , 11, 2275-2283	16.7	355
378	Short-Range Order in Mesoporous Carbon Boosts Potassium-Ion Battery Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1701648	21.8	351

377	Monodisperse mesoporous superparamagnetic single-crystal magnetite nanoparticles for drug delivery. <i>Biomaterials</i> , 2009 , 30, 1881-9	15.6	341
376	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 260-269	21.8	318
375	Iridium-Based Multimetallic Porous Hollow Nanocrystals for Efficient Overall-Water-Splitting Catalysis. <i>Advanced Materials</i> , 2017 , 29, 1703798	24	307
374	Synergistic Effects between Atomically Dispersed Fe-N-C and C-S-C for the Oxygen Reduction Reaction in Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13800-13804	16.4	302
373	Tuning nanoparticle structure and surface strain for catalysis optimization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7734-9	16.4	293
372	Synthesis of ultrathin FePtPd nanowires and their use as catalysts for methanol oxidation reaction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15354-7	16.4	277
371	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
370	Dumbbell-like PtPd-Fe ₃ O ₄ Nanoparticles for enhanced electrochemical detection of H ₂ O ₂ . <i>Nano Letters</i> , 2012 , 12, 4859-63	11.5	276
369	Recent Advances on Water-Splitting Electrocatalysis Mediated by Noble-Metal-Based Nanostructured Materials. <i>Advanced Energy Materials</i> , 2020 , 10, 1903120	21.8	273
368	Sulfur/Oxygen Codoped Porous Hard Carbon Microspheres for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1800171	21.8	272
367	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017 , 41, 172-192	17.1	272
366	Self-assembly of cationic polyelectrolyte-functionalized graphene nanosheets and gold nanoparticles: a two-dimensional heterostructure for hydrogen peroxide sensing. <i>Langmuir</i> , 2010 , 26, 11277-82	4	269
365	Ultrathin Lamellar Ir Superstructure as Highly Efficient Oxygen Evolution Electrocatalyst in Broad pH Range. <i>Nano Letters</i> , 2016 , 16, 4424-30	11.5	267
364	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
363	Metallic Graphene-Like VSe Ultrathin Nanosheets: Superior Potassium-Ion Storage and Their Working Mechanism. <i>Advanced Materials</i> , 2018 , 30, e1800036	24	256
362	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
361	Efficient oxygen reduction catalysis by subnanometer Pt alloy nanowires. <i>Science Advances</i> , 2017 , 3, e1601705	16.4	252
360	Seed-mediated synthesis of core/shell FePtM/FePt (M = Pd, Au) nanowires and their electrocatalysis for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13879-84	16.4	251

359	Pistachio-Shuck-Like MoSe /C Core/Shell Nanostructures for High-Performance Potassium-Ion Storage. <i>Advanced Materials</i> , 2018 , 30, e1801812	24	247
358	A General Method for Multimetallic Platinum Alloy Nanowires as Highly Active and Stable Oxygen Reduction Catalysts. <i>Advanced Materials</i> , 2015 , 27, 7204-12	24	246
357	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
356	Rational Design of Si/SiO ₂ @Hierarchical Porous Carbon Spheres as Efficient Polysulfide Reservoirs for High-Performance Li-S Battery. <i>Advanced Materials</i> , 2016 , 28, 3167-72	24	234
355	Core/shell Au/CuPt nanoparticles and their dual electrocatalysis for both reduction and oxidation reactions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5745-9	16.4	232
354	Constructing carbon nanotube/Pt nanoparticle hybrids using an imidazolium-salt-based ionic liquid as a linker. <i>Advanced Materials</i> , 2010 , 22, 1269-72	24	232
353	Atomically FeN ₂ moieties dispersed on mesoporous carbon: A new atomic catalyst for efficient oxygen reduction catalysis. <i>Nano Energy</i> , 2017 , 35, 9-16	17.1	230
352	A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5859-62	16.4	229
351	Ordered PdCu-Based Nanoparticles as Bifunctional Oxygen-Reduction and Ethanol-Oxidation Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9030-5	16.4	229
350	Photoinduced electron transfer of DNA/Ag nanoclusters modulated by G-quadruplex/hemin complex for the construction of versatile biosensors. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2403-6	16.4	228
349	MoB/g-C N Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 496-500	16.4	228
348	Biomolecule-stabilized Au nanoclusters as a fluorescence probe for sensitive detection of glucose. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1965-9	11.8	226
347	Synthetic control of FePtM nanorods (M = Cu, Ni) to enhance the oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7130-3	16.4	225
346	Biomolecule-nanoparticle hybrids for electrochemical biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 96-109	14.6	225
345	Stable High-Index Faceted Pt Skin on Zigzag-Like PtFe Nanowires Enhances Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2018 , 30, 1705515	24	223
344	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
343	Strain engineering of metal-based nanomaterials for energy electrocatalysis. <i>Chemical Society Reviews</i> , 2019 , 48, 3265-3278	58.5	215
342	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

341	Recent Progress in the Design of Advanced Cathode Materials and Battery Models for High-Performance Lithium-X (X = O , S, Se, Te, I , Br) Batteries. <i>Advanced Materials</i> , 2017 , 29, 1606454	24	194
340	Beyond yolk-shell nanoparticles: Fe ₃ O ₄ @Fe ₃ C core@shell nanoparticles as yolks and carbon nanospindles as shells for efficient lithium ion storage. <i>ACS Nano</i> , 2015 , 9, 3369-76	16.7	192
339	Black Phosphorus Nanosheets as a Neuroprotective Nanomedicine for Neurodegenerative Disorder Therapy. <i>Advanced Materials</i> , 2018 , 30, 1703458	24	190
338	Screw Thread-Like Platinum-Copper Nanowires Bounded with High-Index Facets for Efficient Electrocatalysis. <i>Nano Letters</i> , 2016 , 16, 5037-43	11.5	187
337	Pt/Pd bimetallic nanotubes with petal-like surfaces for enhanced catalytic activity and stability towards ethanol electrooxidation. <i>Energy and Environmental Science</i> , 2010 , 3, 1307	35.4	186
336	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
335	Tuning Nanowires and Nanotubes for Efficient Fuel-Cell Electrocatalysis. <i>Advanced Materials</i> , 2016 , 28, 10117-10141	24	179
334	Nanoscale Engineering of Heterostructured Anode Materials for Boosting Lithium-Ion Storage. <i>Advanced Materials</i> , 2016 , 28, 7580-602	24	177
333	Trimetallic Oxyhydroxide Coralloids for Efficient Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4502-4506	16.4	175
332	A sensitive H ₂ O ₂ assay based on dumbbell-like PtPd-Fe ₃ O ₄ nanoparticles. <i>Advanced Materials</i> , 2013 , 25, 132-6	24	175
331	One-pot, water-phase approach to high-quality graphene/TiO ₂ composite nanosheets. <i>Chemical Communications</i> , 2010 , 46, 7148-50	5.8	175
330	Recent progress in two-dimensional inorganic quantum dots. <i>Chemical Society Reviews</i> , 2018 , 47, 586-625	58.5	169
329	Egg-Box Structure in Cobalt Alginate: A New Approach to Multifunctional Hierarchical Mesoporous N-Doped Carbon Nanofibers for Efficient Catalysis and Energy Storage. <i>ACS Central Science</i> , 2015 , 1, 261-9	16.8	163
328	Structure-induced enhancement in electrooxidation of trimetallic FePtAu nanoparticles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5060-3	16.4	163
327	Atomically Dispersed Fe-N _x /C Electrocatalyst Boosts Oxygen Catalysis via a New Metal-Organic Polymer Supramolecule Strategy. <i>Advanced Energy Materials</i> , 2018 , 8, 1801226	21.8	158
326	Seaweed-Derived Route to Fe ₂ O ₃ Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7047-53	9.5	157
325	Biomimetic ant-nest ionogel electrolyte boosts the performance of dendrite-free lithium batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1660-1667	35.4	157
324	The Marriage of the FeN Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. <i>Advanced Materials</i> , 2018 , 30, e1803220	24	157

323	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
322	Atomic-Level Coupled Interfaces and Lattice Distortion on CuS/NiS ₂ Nanocrystals Boost Oxygen Catalysis for Flexible Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1703779	15.6	154
321	Polyaniline/Pt hybrid nanofibers: high-efficiency nanoelectrocatalysts for electrochemical devices. <i>Small</i> , 2009 , 5, 1869-76	11	154
320	Nanocatalyst superior to Pt for oxygen reduction reactions: the case of core/shell Ag(Au)/CuPd nanoparticles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15026-33	16.4	151
319	Layer-by-layer self-assembly for constructing a graphene/platinum nanoparticle three-dimensional hybrid nanostructure using ionic liquid as a linker. <i>Langmuir</i> , 2010 , 26, 7614-8	4	151
318	Morphology and Phase Controlled Construction of Pt-Ni Nanostructures for Efficient Electrocatalysis. <i>Nano Letters</i> , 2016 , 16, 2762-7	11.5	150
317	Graphene/Intermetallic PtPb Nanoplates Composites for Boosting Electrochemical Detection of HO Released from Cells. <i>Analytical Chemistry</i> , 2017 , 89, 3761-3767	7.8	148
316	Crystalline Control of {111} Bounded Pt ₃ Cu Nanocrystals: Multiply-Twinned Pt ₃ Cu Icosahedra with Enhanced Electrocatalytic Properties. <i>ACS Nano</i> , 2015 , 9, 7634-40	16.7	148
315	Prolifera-Green-Tide as Sustainable Source for Carbonaceous Aerogels with Hierarchical Pore to Achieve Multiple Energy Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 8487-8495	15.6	143
314	Metal Surface and Interface Energy Electrocatalysis: Fundamentals, Performance Engineering, and Opportunities. <i>CheM</i> , 2018 , 4, 2054-2083	16.2	140
313	Templateless, surfactantless, simple electrochemical route to rapid synthesis of diameter-controlled 3D flowerlike gold microstructure with "clean" surface. <i>Chemical Communications</i> , 2007 , 3163-5	5.8	139
312	A general method for the rapid synthesis of hollow metallic or bimetallic nanoelectrocatalysts with urchinlike morphology. <i>Chemistry - A European Journal</i> , 2008 , 14, 4689-95	4.8	138
311	SERS opens a new way in aptasensor for protein recognition with high sensitivity and selectivity. <i>Chemical Communications</i> , 2007 , 5220-2	5.8	135
310	Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. <i>Advanced Materials</i> , 2019 , 31, e1805833	24	132
309	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
308	High-Efficiency and Low-Cost Hybrid Nanomaterial as Enhancing Electrocatalyst: Spongelike Au/Pt Core/Shell Nanomaterial with Hollow Cavity. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 17104-17109	3.8	132
307	Double-Helix Structure in Carrageenan-Metal Hydrogels: A General Approach to Porous Metal Sulfides/Carbon Aerogels with Excellent Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15925-15928	16.4	131
306	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

305	Cyclodextrin-graphene hybrid nanosheets as enhanced sensing platform for ultrasensitive determination of carbendazim. <i>Talanta</i> , 2011 , 84, 60-4	6.2	127
304	Co/CoO Nanoparticles Assembled on Graphene for Electrochemical Reduction of Oxygen. <i>Angewandte Chemie</i> , 2012 , 124, 11940-11943	3.6	126
303	Gold/Platinum Hybrid Nanoparticles Supported on Multiwalled Carbon Nanotube/Silica Coaxial Nanocables: Preparation and Application as Electrocatalysts for Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2389-2393	3.8	126
302	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
301	Gold nanoparticle/carbon nanotube hybrids as an enhanced material for sensitive amperometric determination of tryptophan. <i>Electrochimica Acta</i> , 2010 , 55, 3927-3931	6.7	124
300	Iridium-Tungsten Alloy Nanodendrites as pH-Universal Water-Splitting Electrocatalysts. <i>ACS Central Science</i> , 2018 , 4, 1244-1252	16.8	123
299	Ionogel Electrolytes for High-Performance Lithium Batteries: A Review. <i>Advanced Energy Materials</i> , 2018 , 8, 1702675	21.8	122
298	A general route to construct diverse multifunctional Fe ₃ O ₄ /metal hybrid nanostructures. <i>Chemistry - A European Journal</i> , 2009 , 15, 2416-24	4.8	122
297	Ultralong Pt-on-Pd bimetallic nanowires with nanoporous surface: nanodendritic structure for enhanced electrocatalytic activity. <i>Chemical Communications</i> , 2010 , 46, 1869-71	5.8	119
296	Graphene/N-doped carbon sandwiched nanosheets with ultrahigh nitrogen doping for boosting lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1423-1431	13	118
295	Functional micro/nanostructures: simple synthesis and application in sensors, fuel cells, and gene delivery. <i>Accounts of Chemical Research</i> , 2011 , 44, 491-500	24.3	116
294	Ionic liquid-graphene hybrid nanosheets as an enhanced material for electrochemical determination of trinitrotoluene. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3475-81	11.8	116
293	3D Vertically Aligned and Interconnected Porous Carbon Nanosheets as Sulfur Immobilizers for High Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502518	21.8	115
292	Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2018 , 30, e1707301	24	115
291	Ultrathin Visible-Light-Driven Mo Incorporating In O -ZnIn Se Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1807226	24	115
290	Co O /Fe Co P Interface Nanowire for Enhancing Water Oxidation Catalysis at High Current Density. <i>Advanced Materials</i> , 2018 , 30, e1803551	24	115
289	Tuning the Shell Number of Multishelled Metal Oxide Hollow Fibers for Optimized Lithium-Ion Storage. <i>ACS Nano</i> , 2017 , 11, 6186-6193	16.7	114
288	MoS ₂ Nanosheet Assembling Superstructure with a Three-Dimensional Ion Accessible Site: A New Class of Bifunctional Materials for Batteries and Electrocatalysis. <i>Chemistry of Materials</i> , 2016 , 28, 2074-2080	9.6	114

287	Self-powered sensor for trace Hg ²⁺ detection. <i>Analytical Chemistry</i> , 2011 , 83, 3968-72	7.8	113
286	A catalyst-free synthesis of B, N co-doped graphene nanostructures with tunable dimensions as highly efficient metal free dual electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16469-16475	13	109
285	An integrated sensing system for detection of DNA using new parallel-motif DNA triplex system and graphene--mesoporous silica--gold nanoparticle hybrids. <i>Biomaterials</i> , 2011 , 32, 8584-92	15.6	108
284	One-step electrochemical approach to the synthesis of Graphene/MnO ₂ nanowall hybrids. <i>Nano Research</i> , 2011 , 4, 648-657	10	107
283	Recent Advances on Black Phosphorus for Biomedicine and Biosensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1900318	15.6	106
282	Intermetallic hcp-PtBi/fcc-Pt Core/Shell Nanoplates Enable Efficient Bifunctional Oxygen Reduction and Methanol Oxidation Electrocatalysis. <i>ACS Catalysis</i> , 2018 , 8, 5581-5590	13.1	106
281	Optimierte Nanopartikel-Katalyse für die Sauerstoffreduktionsreaktion. <i>Angewandte Chemie</i> , 2013 , 125, 8686-8705	3.6	105
280	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
279	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
278	Graphene and its derivative-based sensing materials for analytical devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18503		104
277	Mo-Based Ultrasmall Nanoparticles on Hierarchical Carbon Nanosheets for Superior Lithium Ion Storage and Hydrogen Generation Catalysis. <i>Advanced Energy Materials</i> , 2017 , 7, 1602782	21.8	103
276	A new approach to light up DNA/Ag nanocluster-based beacons for bioanalysis. <i>Chemical Science</i> , 2013 , 4, 4004	9.4	102
275	Gold nanowire assembling architecture for H ₂ O ₂ electrochemical sensor. <i>Talanta</i> , 2009 , 77, 1510-7	6.2	102
274	CrNbO Nanowires with High Electronic Conductivity for High-Rate and Long-Life Lithium-Ion Storage. <i>ACS Nano</i> , 2017 , 11, 4217-4224	16.7	101
273	Tuning Multimetallic Ordered Intermetallic Nanocrystals for Efficient Energy Electrocatalysis. <i>Advanced Energy Materials</i> , 2017 , 7, 1602073	21.8	101
272	Ultrathin Pd nanowire as a highly active electrode material for sensitive and selective detection of ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1056-61	11.8	101
271	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
270	A Solid-State Fibriform Supercapacitor Boosted by Host-Guest Hybridization between the Carbon Nanotube Scaffold and MXene Nanosheets. <i>Small</i> , 2018 , 14, e1801203	11	99

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