Hua Zhang

List of Publications by Year in Descending Order

414 papers	92,976 citations	150 h-index	300 g-index
419 ext. papers	101,208 ext. citations	14 avg, IF	8.54 L-index

#	Paper	IF	Citations
414	Covalent Organic Frameworks for Efficient Energy Electrocatalysis: Rational Design and Progress. *Advanced Energy and Sustainability Research*, **2021**, 2, 2000090	1.6	11
413	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. *ACS Energy Letters*, **2021**, 6, 1859-1868	20.1	11
412	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Zn–Air Battery with High Energy Density. *ACS Energy Letters*, **2021**, 6, 2491-2498	20.1	17
411	Improving rate capacity and cycling stability of Si-anode lithium ion battery by using copper nanowire as conductive additive. *Journal of Alloys and Compounds*, **2020**, 822, 153664	5.7	12
410	High-Internal-Phase Pickering Emulsions Stabilized by Polymeric Dialdehyde Cellulose-Based Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7371-7379	8.3	12
409	Self-Assembly of Surface-Acylated Cellulose Nanowhiskers and Graphene Oxide for Multiresponsive Janus-Like Films with Time-Dependent Dry-State Structures. *Small*, **2020**, 16, e2004922	11	4
408	Interfacial Synthesis of Cellulose-Derived Solvent-Responsive Nanoparticles via Schiff Base Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16595-16603	8.3	15
407	Highly Efficient Zn-Cu-In-Se Quantum Dot-Sensitized Solar Cells through Surface Capping with Ascorbic Acid. *ACS Applied Materials & Interfaces*, **2019**, 11, 6927-6936	9.5	32
406	Dialdehyde Cellulose as a Bio-Based Robust Adhesive for Wood Bonding. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10452-10459	8.3	33
405	Robust, Easy-Cleaning Superhydrophobic/Superoleophilic Copper Meshes for Oil/Water Separation under Harsh Conditions. *Advanced Materials Interfaces*, **2019**, 6, 1900158	4.6	12
404	Zn-Ag-In-S quantum dot sensitized solar cells with enhanced efficiency by tuning defects. *Journal of Colloid and Interface Science*, **2019**, 547, 267-274	9.3	11
403	Enhancing Loading Amount and Performance of Quantum-Dot-Sensitized Solar Cells Based on Direct Adsorption of Quantum Dots from Bicomponent Solvents. *Journal of Physical Chemistry Letters*, **2019**, 10, 229-237	6.4	16
402	Combat biofouling with microscopic ridge-like surface morphology: a bioinspired study. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	27
401	Efficient Flexible Counter Electrode Based on Modified Graphite Paper and in Situ Grown Copper Sulfide for Quantum Dot Sensitized Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 1355-1363	6.1	11
400	CdS core-Au plasmonic satellites nanostructure enhanced photocatalytic hydrogen evolution reaction. *Nano Energy*, **2018**, 49, 363-371	17.1	85
399	Transformable masks for colloidal nanosynthesis. *Nature Communications*, **2018**, 9, 563	17.4	47
398	Epitaxial growth of hybrid nanostructures. *Nature Reviews Materials*, **2018**, 3,	73.3	201

397	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu in Living Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 1028-1032	9.5	41
396	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. *Advanced Materials*, **2018**, 30, 1705509	24	234
395	Nitrogen and phosphorus co-doped carbon modified activated carbon as an efficient oxygen reduction catalyst for microbial fuel cells.. *RSC Advances*, **2018**, 8, 848-855	3.7	23
394	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. *Angewandte Chemie - International Edition*, **2018**, 57, 626-646	16.4	305
393	Crucial role for oxygen functional groups in the oxygen reduction reaction electrocatalytic activity of nitrogen-doped carbons. *Electrochimica Acta*, **2018**, 292, 942-950	6.7	33
392	Cobalt oxide and N-doped carbon nanosheets derived from a single two-dimensional metal-organic framework precursor and their application in flexible asymmetric supercapacitors. *Nanoscale Horizons*, **2017**, 2, 99-105	10.8	183
391	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. *Advanced Materials*, **2017**, 29, 1605361	24	221
390	Improved Reversibility of Fe /Fe Redox Couple in Sodium Super Ion Conductor Type Na Fe (PO) for Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605694	24	115
389	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. *Advanced Materials*, **2017**, 29, 1606755	24	153
388	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS-Based Nanocomposite. *Bioconjugate Chemistry*, **2017**, 28, 1059-1067	6.3	25
387	Self-branched □MnO2/□MnO2 heterojunction nanowires with enhanced pseudocapacitance. *Materials Horizons*, **2017**, 4, 415-422	14.4	89
386	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. *Small*, **2017**, 13, 1604139	11	63
385	Hybrid micro-/nano-structures derived from metal-organic frameworks: preparation and applications in energy storage and conversion. *Chemical Society Reviews*, **2017**, 46, 2660-2677	58.5	697
384	Preparation of Ultrathin Two-Dimensional Ti Ta S O Nanosheets as Highly Efficient Photothermal Agents. *Angewandte Chemie - International Edition*, **2017**, 56, 7842-7846	16.4	50
383	Recent Methods for the Synthesis of Noble-Metal-Free Hydrogen-Evolution Electrocatalysts: From Nanoscale to Sub-nanoscale. *Small Methods*, **2017**, 1, 1700118	12.8	76
382	Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metal-Organic Framework for Anode Material in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 17172-17177	9.5	70
381	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. *Angewandte Chemie - International Edition*, **2017**, 56, 578-581	16.4	42
380	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and TiCT Nanosheets for Electrocatalytic Oxygen Evolution. *ACS Nano*, **2017**, 11, 5800-5807	16.7	388

379	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. *Advanced Materials*, **2017**, 29, 1700102	24	283
378	Enhancing the sensing specificity of a MoS nanosheet-based FRET aptasensor using a surface blocking strategy. *Analyst, The*, **2017**, 142, 2570-2577	5	22
377	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy. *Nature Communications*, **2017**, 8, 15447	17.4	132
376	Binder Free Hierarchical Mesoporous Carbon Foam for High Performance Lithium Ion Battery. *Scientific Reports*, **2017**, 7, 1440	4.9	47
375	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. *Journal of the American Chemical Society*, **2017**, 139, 8698-8704	16.4	301
374	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. *Nanoscale*, **2017**, 9, 5102-5109	7.7	49
373	Recent Advances in Sensing Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets and Their Composites. *Advanced Functional Materials*, **2017**, 27, 1605817	15.6	137
372	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. *Angewandte Chemie - International Edition*, **2017**, 56, 4252-4255	16.4	165
371	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. *Small*, **2017**, 13, 1700391	11	95
370	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. *Chemical Reviews*, **2017**, 117, 6225-6331	68.1	2919
369	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. *Advanced Materials Technologies*, **2017**, 2, 1600231	6.8	11
368	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. *Nano Letters*, **2017**, 17, 156-163	11.5	103
367	Two-Dimensional Metal□Organic Framework Nanosheets. *Small Methods*, **2017**, 1, 1600030	12.8	283
366	Molecular-Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Self-Activation for Sustainable Energy Systems. *Small*, **2017**, 13, 1602010	11	37
365	Interfacial Interactions in van der Waals Heterostructures of MoS and Graphene. *ACS Nano*, **2017**, 11, 11714-11723	16.7	69
364	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles. *Nano Energy*, **2017**, 42, 232-240	17.1	17
363	Spirals and helices by asymmetric active surface growth. *Nanoscale*, **2017**, 9, 18352-18358	7.7	4
362	Facile synthesis of gold nanomaterials with unusual crystal structures. *Nature Protocols*, **2017**, 12, 2367-2378	13.8	56

361	Two-dimensional nanomaterial-based field-effect transistors for chemical and biological sensing. *Chemical Society Reviews*, **2017**, 46, 6872-6904	58.5	210
360	Nitrogen-doped carbon paper with 3D porous structure as a flexible free-standing anode for lithium-ion batteries. *Scientific Reports*, **2017**, 7, 7769	4.9	26
359	High-Yield Synthesis of Crystal-Phase-Heterostructured 4H/fcc Au@Pd Core-Shell Nanorods for Electrocatalytic Ethanol Oxidation. *Advanced Materials*, **2017**, 29, 1701331	24	112
358	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. *Advanced Materials*, **2017**, 29, 1701392	24	190
357	Recent Progress in the Preparation, Assembly, Transformation, and Applications of Layer-Structured Nanodisks beyond Graphene. *Advanced Materials*, **2017**, 29, 1701704	24	47
356	Controllable Synthesis of Atomically Thin Type-II Weyl Semimetal WTe Nanosheets: An Advanced Electrode Material for All-Solid-State Flexible Supercapacitors. *Advanced Materials*, **2017**, 29, 1701909	24	81
355	Synthesis of WO -WX (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. *Angewandte Chemie - International Edition*, **2017**, 56, 10486-10490	16.4	20
354	Kinetically-Driven Phase Transformation during Lithiation in Copper Sulfide Nanoflakes. *Nano Letters*, **2017**, 17, 5726-5733	11.5	53
353	Preparation of graphene-MoS2 hybrid aerogels as multifunctional sorbents for water remediation. *Science China Materials*, **2017**, 60, 1102-1108	7.1	23
352	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. *Advanced Materials*, **2017**, 29, 1700769	24	154
351	Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. *Journal of the American Chemical Society*, **2017**, 139, 8653-8660	16.4	90
350	Revealing the Role of Interfacial Properties on Catalytic Behaviors by in Situ Surface-Enhanced Raman Spectroscopy. *Journal of the American Chemical Society*, **2017**, 139, 10339-10346	16.4	89
349	Single-Layer Ternary Chalcogenide Nanosheet as a Fluorescence-Based "Capture-Release" Biomolecular Nanosensor. *Small*, **2017**, 13, 1601925	11	24
348	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. *Materials Chemistry Frontiers*, **2017**, 1, 24-36	7.8	130
347	Surface-Charge-Mediated Formation of H-TiO @Ni(OH) Heterostructures for High-Performance Supercapacitors. *Advanced Materials*, **2017**, 29, 1604164	24	169
346	Epitaxial growth of unusual 4H hexagonal Ir, Rh, Os, Ru and Cu nanostructures on 4H Au nanoribbons. *Chemical Science*, **2017**, 8, 795-799	9.4	64
345	Construction of ultrafine and stable PtFe nano-alloy with ultra-low Pt loading for complete removal of CO in PROX at room temperature. *Applied Catalysis B: Environmental*, **2016**, 180, 237-245	21.8	36
344	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. *Advanced Energy Materials*, **2016**, 6, 1601034	21.8	213

343	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. *Small*, **2016**, 12, 4669-74	11	88
342	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. *Advanced Materials*, **2016**, 28, 7640-5	24	296
341	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. *Advanced Materials*, **2016**, 28, 10282-10286	24	117
340	Ultrahigh Performance of Novel Capacitive Deionization Electrodes based on A Three-Dimensional Graphene Architecture with Nanopores. *Scientific Reports*, **2016**, 6, 18966	4.9	93
339	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. *Small*, **2016**, 12, 272-93	11	339
338	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. *Advanced Materials*, **2016**, 28, 6167-96	24	372
337	Hybrid Flexible Resistive Random Access Memory-Gated Transistor for Novel Nonvolatile Data Storage. *Small*, **2016**, 12, 390-6	11	32
336	2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. *Advanced Materials*, **2016**, 28, 1917-33	24	977
335	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/N-C) as efficient oxygen catalysts for Zn-air batteries. *Nanoscale*, **2016**, 8, 5067-75	7.7	89
334	Levelling the playing field: screening for synergistic effects in coalesced bimetallic nanoparticles. *Nanoscale*, **2016**, 8, 3447-53	7.7	9
333	Preparation and applications of novel composites composed of metal-organic frameworks and two-dimensional materials. *Chemical Communications*, **2016**, 52, 1555-62	5.8	41
332	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. *Nature Chemistry*, **2016**, 8, 470-5	17.6	142
331	Synthesis of 4H/fcc Noble Multimetallic Nanoribbons for Electrocatalytic Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2016**, 138, 1414-9	16.4	152
330	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. *Nano Energy*, **2016**, 20, 244-253	17.1	58
329	Thiazole derivative-modified upconversion nanoparticles for Hg(2+) detection in living cells. *Nanoscale*, **2016**, 8, 276-82	7.7	69
328	Crystal phase-controlled synthesis, properties and applications of noble metal nanomaterials. *Chemical Society Reviews*, **2016**, 45, 63-82	58.5	268
327	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. *CheM*, **2016**, 1, 59-77	16.2	67
326	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. *Advanced Electronic Materials*, **2016**, 2, 1600102	6.4	35

325	Preparation of Single-Layer MoS(2x)Se2(1-x) and Mo(x)W(1-x)S2 Nanosheets with High-Concentration Metallic 1T Phase. *Small*, **2016**, 12, 1866-74	11	91
324	Recent Development of Advanced Materials with Special Wettability for Selective Oil/Water Separation. *Small*, **2016**, 12, 2186-202	11	563
323	Co@Co3 O4 @PPD Core@bishell Nanoparticle-Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. *Small*, **2016**, 12, 2580-7	11	79
322	Synthesis of 4H/fcc-Au@M (M = Ir, Os, IrOs) Core-Shell Nanoribbons For Electrocatalytic Oxygen Evolution Reaction. *Small*, **2016**, 12, 3908-13	11	44
321	Solution-Processed Two-Dimensional MoS2 Nanosheets: Preparation, Hybridization, and Applications. *Angewandte Chemie - International Edition*, **2016**, 55, 8816-38	16.4	447
320	Surface Rutilization of Anatase TiO2 Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. *Advanced Functional Materials*, **2016**, 26, 456-465	15.6	42
319	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. *Advanced Materials*, **2016**, 28, 4149-55	24	320
318	Template Synthesis of Noble Metal Nanocrystals with Unusual Crystal Structures and Their Catalytic Applications. *Accounts of Chemical Research*, **2016**, 49, 2841-2850	24.3	139
317	Synthesis of Two-Dimensional CoS1.097/Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. *Journal of the American Chemical Society*, **2016**, 138, 6924-7	16.4	485
316	Engineering the Absorption and Field Enhancement Properties of Au-TiO2 Nanohybrids via Whispering Gallery Mode Resonances for Photocatalytic Water Splitting. *ACS Nano*, **2016**, 10, 4496-503	16.7	197
315	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. *Nano Energy*, **2016**, 26, 1-6	17.1	23
314	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. *Small*, **2016**, 12, 5920-5926	11	61
313	Highly Sensitive and Selective Aptamer-Based Fluorescence Detection of a Malarial Biomarker Using Single-Layer MoS2 Nanosheets. *ACS Sensors*, **2016**, 1, 1315-1321	9.2	52
312	Hollow carbon nanosphere embedded with ultrafine Fe3O4 nanoparticles as high performance Li-ion battery anode. *Electrochimica Acta*, **2016**, 219, 356-362	6.7	24
311	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. *Nano Energy*, **2016**, 30, 368-378	17.1	196
310	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. *ACS Catalysis*, **2016**, 6, 7865-7871	13.1	46
309	One-Pot Synthesis of Highly Anisotropic Five-Fold-Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. *Advanced Materials*, **2016**, 28, 8712-8717	24	275
308	AuAg nanosheets assembled from ultrathin AuAg nanowires. *Journal of the American Chemical Society*, **2015**, 137, 1444-7	16.4	61

307	Piezoelectricity in two-dimensional materials. *Angewandte Chemie - International Edition*, **2015**, 54, 4432-46	16.4	43
306	Hybrid fibers made of molybdenum disulfide, reduced graphene oxide, and multi-walled carbon nanotubes for solid-state, flexible, asymmetric supercapacitors. *Angewandte Chemie - International Edition*, **2015**, 54, 4651-6	16.4	310
305	Substrate-bound growth of Au-Pd diblock nanowire and hybrid nanorod-plate. *Nanoscale*, **2015**, 7, 8115-21	7.7	8
304	A facile and universal top-down method for preparation of monodisperse transition-metal dichalcogenide nanodots. *Angewandte Chemie - International Edition*, **2015**, 54, 5425-8	16.4	156
303	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. *Journal of the American Chemical Society*, **2015**, 137, 10430-6	16.4	187
302	Stabilization of 4H hexagonal phase in gold nanoribbons. *Nature Communications*, **2015**, 6, 7684	17.4	165
301	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. *ACS Nano*, **2015**, 9, 5198-207	16.7	375
300	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. *Chemical Society Reviews*, **2015**, 44, 2615-28	58.5	269
299	Encapsulation of a living bioelectrode by a hydrogel for bioelectrochemical systems in alkaline media. *Journal of Materials Chemistry B*, **2015**, 3, 4641-4646	7.3	8
298	Synthesis of ultrathin face-centered-cubic au@pt and au@pd core-shell nanoplates from hexagonal-close-packed au square sheets. *Angewandte Chemie - International Edition*, **2015**, 54, 5672-6	16.4	94
297	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. *Energy and Environmental Science*, **2015**, 8, 1559-1568	35.4	188
296	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. *Nanoscale*, **2015**, 7, 9394-8	7.7	48
295	A general solid-state synthesis of chemically-doped fluorescent graphene quantum dots for bioimaging and optoelectronic applications. *Nanoscale*, **2015**, 7, 10162-9	7.7	85
294	Surface modification-induced phase transformation of hexagonal close-packed gold square sheets. *Nature Communications*, **2015**, 6, 6571	17.4	157
293	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. *Small*, **2015**, 11, 3319-36	11	136
292	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. *Biomaterials*, **2015**, 54, 34-43	15.6	60
291	Two-dimensional molybdenum disulphide nanosheet-covered metal nanoparticle array as a floating gate in multi-functional flash memories. *Nanoscale*, **2015**, 7, 17496-503	7.7	27
290	Ultrathin Two-Dimensional Nanomaterials. *ACS Nano*, **2015**, 9, 9451-69	16.7	1342

289	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 23283-23288	13	82
288	Hierarchical Ni-Mo-S nanosheets on carbon fiber cloth: A flexible electrode for efficient hydrogen generation in neutral electrolyte. *Science Advances*, **2015**, 1, e1500259	14.3	356
287	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. *Nature Communications*, **2015**, 6, 7873	17.4	425
286	Porous nitrogen doped carbon foam with excellent resilience for self-supported oxygen reduction catalyst. *Carbon*, **2015**, 95, 388-395	10.4	65
285	Synthesis of high-quality lanthanide oxybromides nanocrystals with single-source precursor for promising applications in cancer cells imaging. *Applied Materials Today*, **2015**, 1, 20-26	6.6	18
284	Synthesis of 4H/fcc-Au@Metal Sulfide Core-Shell Nanoribbons. *Journal of the American Chemical Society*, **2015**, 137, 10910-3	16.4	35
283	Two-dimensional synthetic templates. *National Science Review*, **2015**, 2, 19-21	10.8	6
282	Epitaxial growth of hetero-nanostructures based on ultrathin two-dimensional nanosheets. *Journal of the American Chemical Society*, **2015**, 137, 12162-74	16.4	198
281	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. *Journal of the American Chemical Society*, **2015**, 137, 14566-9	16.4	50
280	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. *Angewandte Chemie - International Edition*, **2015**, 54, 1841-5	16.4	79
279	Graphene quantum dots coated VO2 arrays for highly durable electrodes for Li and Na ion batteries. *Nano Letters*, **2015**, 15, 565-73	11.5	417
278	Two-dimensional graphene analogues for biomedical applications. *Chemical Society Reviews*, **2015**, 44, 2681-701	58.5	687
277	DNA-templated silver nanoclusters for multiplexed fluorescent DNA detection. *Small*, **2015**, 11, 1385-9	11	98
276	Single-layer transition metal dichalcogenide nanosheet-based nanosensors for rapid, sensitive, and multiplexed detection of DNA. *Advanced Materials*, **2015**, 27, 935-9	24	275
275	One-pot synthesis of CdS nanocrystals hybridized with single-layer transition-metal dichalcogenide nanosheets for efficient photocatalytic hydrogen evolution. *Angewandte Chemie - International Edition*, **2015**, 54, 1210-4	16.4	519
274	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. *Nano Research*, **2015**, 8, 40-55	10	84
273	Novel Metal@Carbon Spheres Core–Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. *Advanced Energy Materials*, **2015**, 5, 1401709	21.8	129
272	VO2 nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. *Materials Horizons*, **2015**, 2, 237-244	14.4	142

271	Two-dimensional transition metal dichalcogenide nanosheet-based composites. *Chemical Society Reviews*, **2015**, 44, 2713-31	58.5	1191
270	Thin metal nanostructures: synthesis, properties and applications. *Chemical Science*, **2015**, 6, 95-111	9.4	169
269	Synthesis and structure of two-dimensional transition-metal dichalcogenides. *MRS Bulletin*, **2015**, 40, 566-576	3.2	30
268	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS2 Thin Nanosheets for High-Energy Supercapacitors. *Small*, **2015**, 11, 4123-9	11	141
267	All Metal Nitrides Solid-State Asymmetric Supercapacitors. *Advanced Materials*, **2015**, 27, 4566-71	24	313
266	Ultrathin 2D Metal-Organic Framework Nanosheets. *Advanced Materials*, **2015**, 27, 7372-8	24	684
265	Supramolecular Polymerization Promoted In Situ Fabrication of Nitrogen-Doped Porous Graphene Sheets as Anode Materials for Li-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1500559	21.8	112
264	Hydrophilic Nitrogen and Sulfur Co-doped Molybdenum Carbide Nanosheets for Electrochemical Hydrogen Evolution. *Small*, **2015**, 11, 6278-84	11	137
263	Reduced graphene oxide-wrapped MoO3 composites prepared by using metal-organic frameworks as precursor for all-solid-state flexible supercapacitors. *Advanced Materials*, **2015**, 27, 4695-701	24	326
262	Two-dimensional NiCo2O4 nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. *Nanoscale*, **2015**, 7, 7035-9	7.7	126
261	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. *Advanced Materials Interfaces*, **2015**, 2, 1400499	4.6	80
260	Self-assembled chiral nanofibers from ultrathin low-dimensional nanomaterials. *Journal of the American Chemical Society*, **2015**, 137, 1565-71	16.4	105
259	Molecular crystals on two-dimensional van der Waals substrates. *Science China Materials*, **2015**, 58, 5-8	7.1	11
258	Black phosphorus quantum dots. *Angewandte Chemie - International Edition*, **2015**, 54, 3653-7	16.4	491
257	Preparation and Applications of Two-Dimensional Crystals Based on Organic or Metal-Organic Materials. *Acta Chimica Sinica*, **2015**, 73, 913	3.3	4
256	Au nanoparticle-modified MoS2 nanosheet-based photoelectrochemical cells for water splitting. *Small*, **2014**, 10, 3537-43	11	234
255	TiO2 nanotube @ SnO2 nanoflake coreBranch arrays for lithium-ion battery anode. *Nano Energy*, **2014**, 4, 105-112	17.1	151
254	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. *Nanoscale*, **2014**, 6, 5624-9	7.7	281

253	Chemically engineered graphene oxide as high performance cathode materials for Li-ion batteries. *Carbon*, **2014**, 76, 148-154	10.4	67
252	Synthesis of porous, hollow metal MCO(3) (M=Mn, Co, Ca) microstructures and adsorption properties thereof. *Chemistry - A European Journal*, **2014**, 20, 421-5	4.8	22
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