Hua Zhang

List of Publications by Citations

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	The chemistry of two-dimensional layered transition metal dichalcogenide nanosheets. *Nature Chemistry*, **2013**, 5, 263-75	17.6	6689
413	Graphene-based composites. *Chemical Society Reviews*, **2012**, 41, 666-86	58.5	3116
412	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. *Chemical Reviews*, **2017**, 117, 6225-6331	68.1	2919
411	Single-layer MoS2 phototransistors. *ACS Nano*, **2012**, 6, 74-80	16.7	2704
410	Graphene-based materials: synthesis, characterization, properties, and applications. *Small*, **2011**, 7, 1876-902	11	1968
409	Metal dichalcogenide nanosheets: preparation, properties and applications. *Chemical Society Reviews*, **2013**, 42, 1934-46	58.5	1595
408	Growth of large-area and highly crystalline MoS2 thin layers on insulating substrates. *Nano Letters*, **2012**, 12, 1538-44	11.5	1552
407	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. *Nature Chemistry*, **2012**, 4, 310-6	17.6	1549
406	3D graphene-cobalt oxide electrode for high-performance supercapacitor and enzymeless glucose detection. *ACS Nano*, **2012**, 6, 3206-13	16.7	1371
405	Single-layer semiconducting nanosheets: high-yield preparation and device fabrication. *Angewandte Chemie - International Edition*, **2011**, 50, 11093-7	16.4	1349
404	Ultrathin Two-Dimensional Nanomaterials. *ACS Nano*, **2015**, 9, 9451-69	16.7	1342
403	Fabrication of single- and multilayer MoS2 film-based field-effect transistors for sensing NO at room temperature. *Small*, **2012**, 8, 63-7	11	1213
402	Two-dimensional transition metal dichalcogenide nanosheet-based composites. *Chemical Society Reviews*, **2015**, 44, 2713-31	58.5	1191
401	Preparation and applications of mechanically exfoliated single-layer and multilayer MoS_2 and WSe_2 nanosheets. *Accounts of Chemical Research*, **2014**, 47, 1067-75	24.3	1089
400	Synthesis of few-layer MoS2 nanosheet-coated TiO2 nanobelt heterostructures for enhanced photocatalytic activities. *Small*, **2013**, 9, 140-7	11	1059
399	2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. *Advanced Materials*, **2016**, 28, 1917-33	24	977
398	Preparation of novel 3D graphene networks for supercapacitor applications. *Small*, **2011**, 7, 3163-8	11	925

397	Single-layer MoS2-based nanoprobes for homogeneous detection of biomolecules. *Journal of the American Chemical Society*, **2013**, 135, 5998-6001	16.4	874
396	Ni3S2 nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. *Energy and Environmental Science*, **2013**, 6, 2921	35.4	814
395	The evolution of dip-pen nanolithography. *Angewandte Chemie - International Edition*, **2004**, 43, 30-45	16.4	802
394	Graphene-based electrodes. *Advanced Materials*, **2012**, 24, 5979-6004	24	756
393	Fabrication of flexible MoS2 thin-film transistor arrays for practical gas-sensing applications. *Small*, **2012**, 8, 2994-9	11	725
392	Three-dimensional graphene materials: preparation, structures and application in supercapacitors. *Energy and Environmental Science*, **2014**, 7, 1850-1865	35.4	705
391	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
390	Two-dimensional graphene analogues for biomedical applications. *Chemical Society Reviews*, **2015**, 44, 2681-701	58.5	687
389	Ultrathin 2D Metal-Organic Framework Nanosheets. *Advanced Materials*, **2015**, 27, 7372-8	24	684
388	Three-dimensional graphene foam supported Fe□□ lithium battery anodes with long cycle life and high rate capability. *Nano Letters*, **2013**, 13, 6136-43	11.5	670
387	Solution-phase epitaxial growth of noble metal nanostructures on dispersible single-layer molybdenum disulfide nanosheets. *Nature Communications*, **2013**, 4, 1444	17.4	658
386	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. *Journal of Physical Chemistry C*, **2009**, 113, 10842-10846	3.8	650
385	Direct Electrochemical Reduction of Single-Layer Graphene Oxide and Subsequent Functionalization with Glucose Oxidase. *Journal of Physical Chemistry C*, **2009**, 113, 14071-14075	3.8	583
384	Graphene-based electronic sensors. *Chemical Science*, **2012**, 3, 1764	9.4	582
383	Electrochemical deposition of ZnO nanorods on transparent reduced graphene oxide electrodes for hybrid solar cells. *Small*, **2010**, 6, 307-12	11	579
382	Recent Development of Advanced Materials with Special Wettability for Selective Oil/Water Separation. *Small*, **2016**, 12, 2186-202	11	563
381	Graphene and graphene-based materials for energy storage applications. *Small*, **2014**, 10, 3480-98	11	546
380	Nitrogen and sulfur codoped graphene: multifunctional electrode materials for high-performance li-ion batteries and oxygen reduction reaction. *Advanced Materials*, **2014**, 26, 6186-92	24	532

379	Centimeter-long and large-scale micropatterns of reduced graphene oxide films: fabrication and sensing applications. *ACS Nano*, **2010**, 4, 3201-8	16.7	529
378	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
377	25th anniversary article: hybrid nanostructures based on two-dimensional nanomaterials. *Advanced Materials*, **2014**, 26, 2185-204	24	514
376	Organic photovoltaic devices using highly flexible reduced graphene oxide films as transparent electrodes. *ACS Nano*, **2010**, 4, 5263-8	16.7	514
375	Carbon fiber aerogel made from raw cotton: a novel, efficient and recyclable sorbent for oils and organic solvents. *Advanced Materials*, **2013**, 25, 5916-21	24	513
374	Preparation of MoS2-coated three-dimensional graphene networks for high-performance anode material in lithium-ion batteries. *Small*, **2013**, 9, 3433-8	11	511
373	One-step synthesis of Ni3S2 nanorod@Ni(OH)2nanosheet core□shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. *Energy and Environmental Science*, **2013**, 6, 2216-2221	35.4	503
372	Interlayer breathing and shear modes in few-trilayer MoS2 and WSe2. *Nano Letters*, **2013**, 13, 1007-15	11.5	502
371	Black phosphorus quantum dots. *Angewandte Chemie - International Edition*, **2015**, 54, 3653-7	16.4	491
370	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
369	Synthesis of porous NiO nanocrystals with controllable surface area and their application as supercapacitor electrodes. *Nano Research*, **2010**, 3, 643-652	10	472
368	An effective method for the fabrication of few-layer-thick inorganic nanosheets. *Angewandte Chemie - International Edition*, **2012**, 51, 9052-6	16.4	453
367	Mechanical exfoliation and characterization of single- and few-layer nanosheets of WSe□, TaS□ and TaSe□*Small*, **2013**, 9, 1974-81	11	449
366	Solution-Processed Two-Dimensional MoS2 Nanosheets: Preparation, Hybridization, and Applications. *Angewandte Chemie - International Edition*, **2016**, 55, 8816-38	16.4	447
365	Polymer pen lithography. *Science*, **2008**, 321, 1658-60	33.3	441
364	Graphene-based electrochemical sensors. *Small*, **2013**, 9, 1160-72	11	434
363	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. *Nature Communications*, **2015**, 6, 7873	17.4	425
362	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

361	Seed-assisted synthesis of highly ordered TiO2@Fe2O3 core/shell arrays on carbon textiles for lithium-ion battery applications. *Energy and Environmental Science*, **2012**, 5, 6559	35.4	404
360	A V2O5/conductive-polymer core/shell nanobelt array on three-dimensional graphite foam: a high-rate, ultrastable, and freestanding cathode for lithium-ion batteries. *Advanced Materials*, **2014**, 26, 5794-800	24	400
359	A new type of porous graphite foams and their integrated composites with oxide/polymer core/shell nanowires for supercapacitors: structural design, fabrication, and full supercapacitor demonstrations. *Nano Letters*, **2014**, 14, 1651-8	11.5	395
358	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
357	Hierarchical hollow spheres composed of ultrathin Fe2O3 nanosheets for lithium storage and photocatalytic water oxidation. *Energy and Environmental Science*, **2013**, 6, 987	35.4	384
356	Achieving high specific charge capacitances in Fe3O4/reduced graphene oxide nanocomposites. *Journal of Materials Chemistry*, **2011**, 21, 3422		378
355	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. *ACS Nano*, **2015**, 9, 5198-207	16.7	375
354	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. *Advanced Materials*, **2016**, 28, 6167-96	24	372
353	Synthesis of free-standing metal sulfide nanoarrays via anion exchange reaction and their electrochemical energy storage application. *Small*, **2014**, 10, 766-73	11	367
352	Hybrid structure of cobalt monoxide nanowire @ nickel hydroxidenitrate nanoflake aligned on nickel foam for high-rate supercapacitor. *Energy and Environmental Science*, **2011**, 4, 4496	35.4	365
351	Visual cocaine detection with gold nanoparticles and rationally engineered aptamer structures. *Small*, **2008**, 4, 1196-200	11	365
350	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
349	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. *Small*, **2016**, 12, 272-93	11	339
348	Preparation of MoSpolyvinylpyrrolidone nanocomposites for flexible nonvolatile rewritable memory devices with reduced graphene oxide electrodes. *Small*, **2012**, 8, 3517-22	11	337
347	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. *Nature Communications*, **2012**, 3, 1177	17.4	334
346	Electrochemically reduced single-layer MoSnanosheets: characterization, properties, and sensing applications. *Small*, **2012**, 8, 2264-70	11	333
345	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. *Nanoscale*, **2011**, 3, 1084-9	7.7	330
344	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

343	Graphene-Based Materials for Solar Cell Applications. *Advanced Energy Materials*, **2014**, 4, 1300574	21.8	325
342	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. *Advanced Materials*, **2016**, 28, 4149-55	24	320
341	All Metal Nitrides Solid-State Asymmetric Supercapacitors. *Advanced Materials*, **2015**, 27, 4566-71	24	313
340	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
339	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
338	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
337	Amphiphilic graphene composites. *Angewandte Chemie - International Edition*, **2010**, 49, 9426-9	16.4	301
336	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
335	Rapid and reliable thickness identification of two-dimensional nanosheets using optical microscopy. *ACS Nano*, **2013**, 7, 10344-53	16.7	295
334	Growth of noble metal nanoparticles on single-layer TiS2 and TaS2 nanosheets for hydrogen evolution reaction. *Energy and Environmental Science*, **2014**, 7, 797-803	35.4	292
333	Transparent, flexible, all-reduced graphene oxide thin film transistors. *ACS Nano*, **2011**, 5, 5038-44	16.7	284
332	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
331	Two-Dimensional Metal□Organic Framework Nanosheets. *Small Methods*, **2017**, 1, 1600030	12.8	283
330	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. *Nanoscale*, **2014**, 6, 5624-9	7.7	281
329	Ultrathin S-doped MoSe2 nanosheets for efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2014**, 2, 5597-5601	13	278
328	Single-layer transition metal dichalcogenide nanosheet-based nanosensors for rapid, sensitive, and multiplexed detection of DNA. *Advanced Materials*, **2015**, 27, 935-9	24	275
327	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
326	Rationally Designed Hierarchical TiO2@Fe2O3 Hollow Nanostructures for Improved Lithium Ion Storage. *Advanced Energy Materials*, **2013**, 3, 737-743	21.8	274

325	Interfacing live cells with nanocarbon substrates. *Langmuir*, **2010**, 26, 2244-7	4	271
324	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. *Chemical Society Reviews*, **2015**, 44, 2615-28	58.5	269
323	Crystal phase-controlled synthesis, properties and applications of noble metal nanomaterials. *Chemical Society Reviews*, **2016**, 45, 63-82	58.5	268
322	3D graphene foam as a monolithic and macroporous carbon electrode for electrochemical sensing. *ACS Applied Materials & Interfaces*, **2012**, 4, 3129-33	9.5	264
321	Conjugated-polyelectrolyte-functionalized reduced graphene oxide with excellent solubility and stability in polar solvents. *Small*, **2010**, 6, 663-9	11	260
320	Metal oxide-coated three-dimensional graphene prepared by the use of metal-organic frameworks as precursors. *Angewandte Chemie - International Edition*, **2014**, 53, 1404-9	16.4	255
319	Electrical detection of metal ions using field-effect transistors based on micropatterned reduced graphene oxide films. *ACS Nano*, **2011**, 5, 1990-4	16.7	251
318	Optical identification of single- and few-layer MoS sheets. *Small*, **2012**, 8, 682-6	11	249
317	Highly stable and reversible lithium storage in SnO2 nanowires surface coated with a uniform hollow shell by atomic layer deposition. *Nano Letters*, **2014**, 14, 4852-8	11.5	242
316	Thermal desorption behavior and binding properties of DNA bases and nucleosides on gold. *Journal of the American Chemical Society*, **2002**, 124, 11248-9	16.4	239
315	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. *Advanced Materials*, **2018**, 30, 1705509	24	234
314	Au nanoparticle-modified MoS2 nanosheet-based photoelectrochemical cells for water splitting. *Small*, **2014**, 10, 3537-43	11	234
313	Self-assembly of well-ordered whisker-like manganese oxide arrays on carbon fiber paper and its application as electrode material for supercapacitors. *Journal of Materials Chemistry*, **2012**, 22, 8634		231
312	Surface enhanced Raman scattering of Ag or Au nanoparticle-decorated reduced graphene oxide for detection of aromatic molecules. *Chemical Science*, **2011**, 2, 1817	9.4	230
311	Synthesis and applications of graphene-based noble metal nanostructures. *Materials Today*, **2013**, 16, 29-36	21.8	226
310	Nanoporous walls on macroporous foam: rational design of electrodes to push areal pseudocapacitance. *Advanced Materials*, **2012**, 24, 4186-90	24	222
309	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. *Advanced Materials*, **2017**, 29, 1605361	24	221
308	Evolution of disposable bamboo chopsticks into uniform carbon fibers: a smart strategy to fabricate sustainable anodes for Li-ion batteries. *Energy and Environmental Science*, **2014**, 7, 2670-2679	35.4	219

307	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
306	Two-dimensional nanomaterial-based field-effect transistors for chemical and biological sensing. *Chemical Society Reviews*, **2017**, 46, 6872-6904	58.5	210
305	Aptamer-based multicolor fluorescent gold nanoprobes for multiplex detection in homogeneous solution. *Small*, **2010**, 6, 201-4	11	205
304	A Solution-Processed Hole Extraction Layer Made from Ultrathin MoS2 Nanosheets for Efficient Organic Solar Cells. *Advanced Energy Materials*, **2013**, 3, 1262-1268	21.8	203
303	Epitaxial growth of hybrid nanostructures. *Nature Reviews Materials*, **2018**, 3,	73.3	201
302	Epitaxial growth of hetero-nanostructures based on ultrathin two-dimensional nanosheets. *Journal of the American Chemical Society*, **2015**, 137, 12162-74	16.4	198
301	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
300	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. *Nano Energy*, **2016**, 30, 368-378	17.1	196
299	Bulk heterojunction polymer memory devices with reduced graphene oxide as electrodes. *ACS Nano*, **2010**, 4, 3987-92	16.7	195
298	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. *Advanced Materials*, **2017**, 29, 1701392	24	190
297	Reduced graphene oxide-templated photochemical synthesis and in situ assembly of Au nanodots to orderly patterned Au nanodot chains. *Small*, **2010**, 6, 513-6	11	189
296	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
295	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
294	Fabrication of flexible, all-reduced graphene oxide non-volatile memory devices. *Advanced Materials*, **2013**, 25, 233-8	24	186
293	All-carbon electronic devices fabricated by directly grown single-walled carbon nanotubes on reduced graphene oxide electrodes. *Advanced Materials*, **2010**, 22, 3058-61	24	186
292	Electron-doping-enhanced trion formation in monolayer molybdenum disulfide functionalized with cesium carbonate. *ACS Nano*, **2014**, 8, 5323-9	16.7	185
291	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
290	Cobalt Oxide Nanowall Arrays on Reduced Graphene Oxide Sheets with Controlled Phase, Grain Size, and Porosity for Li-Ion Battery Electrodes. *Journal of Physical Chemistry C*, **2011**, 115, 8400-8406	3.8	181

289	Label-free, electrochemical detection of methicillin-resistant Staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. *Biosensors and Bioelectronics*, **2011**, 26, 3881-6	11.8	180
288	Layer thinning and etching of mechanically exfoliated MoS2 nanosheets by thermal annealing in air. *Small*, **2013**, 9, 3314-9	11	179
287	Controllable growth of conducting polymers shell for constructing high-quality organic/inorganic core/shell nanostructures and their optical-electrochemical properties. *Nano Letters*, **2013**, 13, 4562-8	11.5	177
286	Carbon microbelt aerogel prepared by waste paper: an efficient and recyclable sorbent for oils and organic solvents. *Small*, **2014**, 10, 3544-50	11	176
285	Plasmonic enhancement of photocurrent in MoS2 field-effect-transistor. *Applied Physics Letters*, **2013**, 102, 203109	3.4	175
284	A universal, rapid method for clean transfer of nanostructures onto various substrates. *ACS Nano*, **2014**, 8, 6563-70	16.7	170
283	Thin metal nanostructures: synthesis, properties and applications. *Chemical Science*, **2015**, 6, 95-111	9.4	169
282	Surface-Charge-Mediated Formation of H-TiO @Ni(OH) Heterostructures for High-Performance Supercapacitors. *Advanced Materials*, **2017**, 29, 1604164	24	169
281	Hollow core□shell nanostructure supercapacitor electrodes: gap matters. *Energy and Environmental Science*, **2012**, 5, 9085	35.4	169
280	Fabrication of graphene nanomesh by using an anodic aluminum oxide membrane as a template. *Advanced Materials*, **2012**, 24, 4138-42	24	169
279	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
278	Stabilization of 4H hexagonal phase in gold nanoribbons. *Nature Communications*, **2015**, 6, 7684	17.4	165
277	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. *Nanoscale*, **2012**, 4, 293-7	7.7	164
276	Enhanced thermopower of graphene films with oxygen plasma treatment. *ACS Nano*, **2011**, 5, 2749-55	16.7	162
275	One-step growth of graphene□arbon nanotube hybrid materials by chemical vapor deposition. *Carbon*, **2011**, 49, 2944-2949	10.4	162
274	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS□ nanoplates for high-performance lithium-ion batteries. *Nanoscale*, **2013**, 5, 1456-9	7.7	158
273	Surface modification-induced phase transformation of hexagonal close-packed gold square sheets. *Nature Communications*, **2015**, 6, 6571	17.4	157
272	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

271	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. *Advanced Materials*, **2017**, 29, 1700769	24	154
270	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. *Advanced Materials*, **2017**, 29, 1606755	24	153
269	Nano-tungsten carbide decorated graphene as co-catalysts for enhanced hydrogen evolution on molybdenum disulfide. *Chemical Communications*, **2013**, 49, 4884-6	5.8	153
268	Fabrication of Sub-50-nm Solid-State Nanostructures on the Basis of Dip-Pen Nanolithography. *Nano Letters*, **2003**, 3, 43-45	11.5	153
267	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
266	TiO2 nanotube @ SnO2 nanoflake core–branch arrays for lithium-ion battery anode. *Nano Energy*, **2014**, 4, 105-112	17.1	151
265	Flexible carbon nanotube papers with improved thermoelectric properties. *Energy and Environmental Science*, **2012**, 5, 5364-5369	35.4	143
264	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
263	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
262	Electrochemical Deposition of Semiconductor Oxides on Reduced Graphene Oxide-Based Flexible, Transparent, and Conductive Electrodes. *Journal of Physical Chemistry C*, **2010**, 114, 11816-11821	3.8	142
261	Coating two-dimensional nanomaterials with metal-organic frameworks. *ACS Nano*, **2014**, 8, 8695-701	16.7	141
260	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS2 Thin Nanosheets for High-Energy Supercapacitors. *Small*, **2015**, 11, 4123-9	11	141
259	Formation of monometallic Au and Pd and bimetallic Au–Pd nanoparticles confined in mesopores via Ar glow-discharge plasma reduction and their catalytic applications in aerobic oxidation of benzyl alcohol. *Journal of Catalysis*, **2012**, 289, 105-117	7.3	139
258	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
257	Recent Advances in Sensing Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets and Their Composites. *Advanced Functional Materials*, **2017**, 27, 1605817	15.6	137
256	Hydrophilic Nitrogen and Sulfur Co-doped Molybdenum Carbide Nanosheets for Electrochemical Hydrogen Evolution. *Small*, **2015**, 11, 6278-84	11	137
255	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. *Small*, **2015**, 11, 3319-36	11	136
254	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy. *Nature Communications*, **2017**, 8, 15447	17.4	132

253	A graphene-conjugated oligomer hybrid probe for light-up sensing of lectin and Escherichia coli. *Advanced Materials*, **2011**, 23, 4386-91	24	132
252	Memory devices using a mixture of MoS and graphene oxide as the active layer. *Small*, **2013**, 9, 727-31	11	130
251	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. *Materials Chemistry Frontiers*, **2017**, 1, 24-36	7.8	130
250	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
249	3D carbon/cobalt-nickel mixed-oxide hybrid nanostructured arrays for asymmetric supercapacitors. *Small*, **2014**, 10, 2937-45	11	126
248	Two-dimensional NiCo2O4 nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. *Nanoscale*, **2015**, 7, 7035-9	7.7	126
247	Controlled synthesis of carbon-coated cobalt sulfide nanostructures in oil phase with enhanced li storage performances. *ACS Applied Materials & Interfaces*, **2012**, 4, 2999-3006	9.5	125
246	Synthesis of Fe3O4 and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. *Nanoscale*, **2012**, 4, 2478-83	7.7	124
245	Graphene oxide-templated synthesis of ultrathin or tadpole-shaped au nanowires with alternating hcp and fcc domains. *Advanced Materials*, **2012**, 24, 979-83	24	123
244	Full solution-processed synthesis of all metal oxide-based tree-like heterostructures on fluorine-doped tin oxide for water splitting. *Advanced Materials*, **2012**, 24, 5374-8	24	123
243	Controlled synthesis of hierarchical graphene-wrapped TiO2@Co3O4 coaxial nanobelt arrays for high-performance lithium storage. *Journal of Materials Chemistry A*, **2013**, 1, 273-281	13	122
242	Reduced graphene oxide films used as matrix of MALDI-TOF-MS for detection of octachlorodibenzo-p-dioxin. *Chemical Communications*, **2010**, 46, 6974-6	5.8	118
241	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. *Advanced Materials*, **2016**, 28, 10282-10286	24	117
240	CNT/Ni hybrid nanostructured arrays: synthesis and application as high-performance electrode materials for pseudocapacitors. *Energy and Environmental Science*, **2011**, 4, 5000	35.4	116
239	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
238	Synthesis of two-dimensional transition-metal phosphates with highly ordered mesoporous structures for lithium-ion battery applications. *Angewandte Chemie - International Edition*, **2014**, 53, 9352-5	16.4	113
237	Postchemistry of organic particles: when TTF microparticles meet TCNQ microstructures in aqueous solution. *Journal of the American Chemical Society*, **2010**, 132, 6926-8	16.4	113
236	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

235	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
234	Benzoxazole and benzimidazole heterocycle-grafted graphene for high-performance supercapacitor electrodes. *Journal of Materials Chemistry*, **2012**, 22, 23439		112
233	Synthesis, structure, and optoelectronic properties of a new twistacene 1,2,3,4,6,13-hexaphenyl-7 : 8,11 : 12-bisbenzo-pentacene. *Journal of Materials Chemistry*, **2010**, 20, 8167		110
232	Crystal structure and phototransistor behavior of N-substituted heptacence. *ACS Applied Materials & Interfaces*, **2012**, 4, 1883-6	9.5	109
231	Gold Coating of Silver Nanoprisms. *Advanced Functional Materials*, **2012**, 22, 849-854	15.6	108
230	Synthesis of gold square-like plates from ultrathin gold square sheets: the evolution of structure phase and shape. *Angewandte Chemie - International Edition*, **2011**, 50, 12245-8	16.4	107
229	Investigation of MoS_2 and graphene nanosheets by magnetic force microscopy. *ACS Nano*, **2013**, 7, 2842-9	16.7	105
228	Self-assembled chiral nanofibers from ultrathin low-dimensional nanomaterials. *Journal of the American Chemical Society*, **2015**, 137, 1565-71	16.4	105
227	Forest of gold nanowires: a new type of nanocrystal growth. *ACS Nano*, **2013**, 7, 2733-40	16.7	105
226	Preparation, characterization, and photoswitching/light-emitting behaviors of coronene nanowires. *Journal of Materials Chemistry*, **2011**, 21, 1423-1427		104
225	Multilayer stacked low-temperature-reduced graphene oxide films: preparation, characterization, and application in polymer memory devices. *Small*, **2010**, 6, 1536-42	11	104
224	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. *Nano Letters*, **2017**, 17, 156-163	11.5	103
223	Synthesis, structure, and physical properties of 5,7,14,16-tetraphenyl-8:9,12:13-bisbenzo-hexatwistacene. *Chemistry - an Asian Journal*, **2012**, 7, 561-4	4.5	103
222	Copper-based ternary and quaternary semiconductor nanoplates: templated synthesis, characterization, and photoelectrochemical properties. *Angewandte Chemie - International Edition*, **2014**, 53, 8929-33	16.4	102
221	Approaching a stable, green twisted heteroacene through "clean reaction" strategy. *Chemical Communications*, **2012**, 48, 5974-6	5.8	99
220	Three-dimensional graphene network composites for detection of hydrogen peroxide. *Small*, **2013**, 9, 1703-7	11	99
219	Length-dependent conductance of molecular wires and contact resistance in metal-molecule-metal junctions. *ChemPhysChem*, **2008**, 9, 1416-24	3.2	99
218	DNA-templated silver nanoclusters for multiplexed fluorescent DNA detection. *Small*, **2015**, 11, 1385-9	11	98

217	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. *Small*, **2017**, 13, 1700391	11	95
216	Butterfly-shaped conjugated oligoelectrolyte/graphene oxide integrated assay for light-up visual detection of heparin. *Analytical Chemistry*, **2011**, 83, 7849-55	7.8	95
215	Synthesis, characterization, and bipolar transporting behavior of a new twisted polycyclic aromatic hydrocarbon: 10,14-diphenyl-naphtho-(2,3,01.2)-pyrene-6-nitro-7-methyl carboxylate. *Chemistry - A European Journal*, **2010**, 16, 7422-6	4.8	95
214	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
213	The molecular basis of distinct aggregation pathways of islet amyloid polypeptide. *Journal of Biological Chemistry*, **2011**, 286, 6291-300	5.4	94
212	Ultrahigh Performance of Novel Capacitive Deionization Electrodes based on A Three-Dimensional Graphene Architecture with Nanopores. *Scientific Reports*, **2016**, 6, 18966	4.9	93
211	Two-dimensional CuSe nanosheets with microscale lateral size: synthesis and template-assisted phase transformation. *Angewandte Chemie - International Edition*, **2014**, 53, 5083-7	16.4	93
210	Synthesis, characterization, and physical properties of a conjugated heteroacene: 2-methyl-1,4,6,7,8,9-hexaphenylbenz(g)isoquinolin-3(2H)-one (BIQ). *Chemistry - an Asian Journal*, **2011**, 6, 856-62	4.5	92
209	Aminosilane micropatterns on hydroxyl-terminated substrates: fabrication and applications. *Langmuir*, **2010**, 26, 5603-9	4	91
208	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
207	Hierarchical TiO2 nanobelts@MnO2 ultrathin nanoflakes core–shell array electrode materials for supercapacitors. *RSC Advances*, **2013**, 3, 14413	3.7	90
206	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
205	Self-branched α-MnO2/β-MnO2 heterojunction nanowires with enhanced pseudocapacitance. *Materials Horizons*, **2017**, 4, 415-422	14.4	89
204	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
203	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
202	Chemical reaction between Ag nanoparticles and TCNQ microparticles in aqueous solution. *Small*, **2011**, 7, 1242-6	11	89
201	DPN-Generated Nanostructures Made of Gold, Silver, and Palladium. *Chemistry of Materials*, **2004**, 16, 1480-1484	9.6	89
200	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. *Small*, **2016**, 12, 4669-74	11	88

199	Shape-Controlled Micro/Nanostructures of 9,10-Diphenylanthracene (DPA) and Their Application in Light-Emitting Devices. *Journal of Physical Chemistry C*, **2011**, 115, 7924-7927	3.8	87
198	Synthesis, characterization, self-assembly, and physical properties of 11-methylbenzo[d]pyreno[4,5-b]furan. *Organic Letters*, **2011**, 13, 3004-7	6.2	87
197	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
196	CdS core-Au plasmonic satellites nanostructure enhanced photocatalytic hydrogen evolution reaction. *Nano Energy*, **2018**, 49, 363-371	17.1	85
195	Fabrication of polymer nanocavities with tailored openings. *ACS Nano*, **2009**, 3, 3469-74	16.7	85
194	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. *Nano Research*, **2015**, 8, 40-55	10	84
193	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
192	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
191	Modulating electronic transport properties of MoS2 field effect transistor by surface overlayers. *Applied Physics Letters*, **2013**, 103, 063109	3.4	80
190	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. *Advanced Materials Interfaces*, **2015**, 2, 1400499	4.6	80
189	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. *Angewandte Chemie - International Edition*, **2015**, 54, 1841-5	16.4	79
188	Co@Co3 O4 @PPD Core@bishell Nanoparticle-Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. *Small*, **2016**, 12, 2580-7	11	79
187	Electrochemical deposition of Cl-doped n-type Cu2O on reduced graphene oxide electrodes. *Journal of Materials Chemistry*, **2011**, 21, 3467-3470		78
186	Biofunctionalized nanoarrays of inorganic structures prepared by dip-pen nanolithography. *Nanotechnology*, **2003**, 14, 1113-1117	3.4	78
185	Dip Pen Nanolithography (DPN): process and instrument performance with NanoInk© NSCRIPTOR system. *Ultramicroscopy*, **2005**, 103, 117-32	3.1	78
184	Fabrication of metal oxide nanobranches on atomic-layer-deposited TiO2 nanotube arrays and their application in energy storage. *Nanoscale*, **2013**, 5, 6040-7	7.7	77
183	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
182	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. *Nanoscale*, **2014**, 6, 12340-4	7.7	76

181	Synergetic approach to achieve enhanced lithium ion storage performance in ternary phased SnO2Fe2O3/rGO composite nanostructures. *Journal of Materials Chemistry*, **2011**, 21, 12770		76
180	Integrated photoelectrochemical energy storage: solar hydrogen generation and supercapacitor. *Scientific Reports*, **2012**, 2, 981	4.9	75
179	Nanocomposites of graphene oxide and upconversion rare-earth nanocrystals with superior optical limiting performance. *Small*, **2012**, 8, 2271-6	11	75
178	Facile preparation of hydrated vanadium pentoxide nanobelts based bulky paper as flexible binder-free cathodes for high-performance lithium ion batteries. *RSC Advances*, **2011**, 1, 117	3.7	75
177	Photochemically controlled synthesis of anisotropic Au nanostructures: platelet-like Au nanorods and six-star Au nanoparticles. *ACS Nano*, **2010**, 4, 6196-202	16.7	74
176	Chemoselective photodeoxidization of graphene oxide using sterically hindered amines as catalyst: synthesis and applications. *ACS Nano*, **2012**, 6, 3027-33	16.7	73
175	Hierarchically porous three-dimensional electrodes of CoMoO and ZnCo O and their high anode performance for lithium ion batteries. *Nanoscale*, **2014**, 6, 10556-61	7.7	72
174	Synthesis of graphene-conjugated polymer nanocomposites for electronic device applications. *Nanoscale*, **2013**, 5, 1440-51	7.7	72
173	Fabrication of nanoelectrode ensembles by electrodepositon of Au nanoparticles on single-layer graphene oxide sheets. *Nanoscale*, **2012**, 4, 2728-33	7.7	72
172	Kinetically controlled assembly of a spirocyclic aromatic hydrocarbon into polyhedral micro/nanocrystals. *ACS Nano*, **2012**, 6, 5309-19	16.7	72
171	Graphene oxide as a novel nanoplatform for enhancement of aggregation-induced emission of silole fluorophores. *Advanced Materials*, **2012**, 24, 4191-5	24	72
170	Graphene oxide as a carbon source for controlled growth of carbon nanowires. *Small*, **2011**, 7, 1199-202	11	72
169	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
168	Single-layer transition metal dichalcogenide nanosheet-assisted assembly of aggregation-induced emission molecules to form organic nanosheets with enhanced fluorescence. *Advanced Materials*, **2014**, 26, 1735-9	24	70
167	Interfacial Interactions in van der Waals Heterostructures of MoS and Graphene. *ACS Nano*, **2017**, 11, 11714-11723	16.7	69
166	Thiazole derivative-modified upconversion nanoparticles for Hg(2+) detection in living cells. *Nanoscale*, **2016**, 8, 276-82	7.7	69
165	Patterning Colloidal Metal Nanoparticles for Controlled Growth of Carbon Nanotubes. *Advanced Materials*, **2008**, 20, 4873-4878	24	68
164	Chemically engineered graphene oxide as high performance cathode materials for Li-ion batteries. *Carbon*, **2014**, 76, 148-154	10.4	67

163	Scanning Probe Contact Printing. *Langmuir*, **2003**, 19, 8951-8955	4	67
162	Properties of Single Dendrimer Molecules Studied by Atomic Force Microscopy *Langmuir*, **2000**, 16, 9009-9014	4	67
161	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. *CheM*, **2016**, 1, 59-77	16.2	67
160	A novel graphene-polysulfide anode material for high-performance lithium-ion batteries. *Scientific Reports*, **2013**, 3, 2341	4.9	66
159	Porous nitrogen doped carbon foam with excellent resilience for self-supported oxygen reduction catalyst. *Carbon*, **2015**, 95, 388-395	10.4	65
158	Facile fabrication of hierarchical ZnCo2O4/NiO core/shell nanowire arrays with improved lithium-ion battery performance. *Nanoscale*, **2014**, 6, 6563-8	7.7	64
157	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
156	Preparation of weavable, all-carbon fibers for non-volatile memory devices. *Angewandte Chemie - International Edition*, **2013**, 52, 13351-5	16.4	64
155	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. *Small*, **2017**, 13, 1604139	11	63
154	Preparation of MoS2-MoO3 hybrid nanomaterials for light-emitting diodes. *Angewandte Chemie - International Edition*, **2014**, 53, 12560-5	16.4	62
153	Surfactant-free sub-2 nm ultrathin triangular gold nanoframes. *Small*, **2013**, 9, 2880-6	11	62
152	Nanolithography of single-layer graphene oxide films by atomic force microscopy. *Langmuir*, **2010**, 26, 6164-6	4	62
151	Self-Assembly of Polyphenylene Dendrimers into Micrometer Long Nanofibers: An Atomic Force Microscopy Study. *Langmuir*, **2002**, 18, 2385-2391	4	62
150	AuAg nanosheets assembled from ultrathin AuAg nanowires. *Journal of the American Chemical Society*, **2015**, 137, 1444-7	16.4	61
149	Binary-Phased Nanoparticles for Enhanced Thermoelectric Properties. *Advanced Materials*, **2009**, 21, 3196-3200	24	61
148	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
147	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. *Biomaterials*, **2015**, 54, 34-43	15.6	60
146	Gold-nanoparticle-embedded polydimethylsiloxane elastomers for highly sensitive Raman detection. *Small*, **2012**, 8, 1336-40	11	60

145	Nanoparticle-coated PDMS elastomers for enhancement of Raman scattering. *Chemical Communications*, **2011**, 47, 8560-2	5.8	59
144	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
143	A universal method for preparation of noble metal nanoparticle-decorated transition metal dichalcogenide nanobelts. *Advanced Materials*, **2014**, 26, 6250-4	24	58
142	Dip Pen Nanolithography Stamp Tip. *Nano Letters*, **2004**, 4, 1649-1655	11.5	58
141	Oriented molecular attachments through sol-gel chemistry for synthesis of ultrathin hydrated vanadium pentoxide nanosheets and their applications. *Small*, **2013**, 9, 716-21	11	57
140	Facile synthesis of gold nanomaterials with unusual crystal structures. *Nature Protocols*, **2017**, 12, 2367-2378	13.8	56
139	Mechanism studies on the superior optical limiting observed in graphene oxide covalently functionalized with upconversion NaYF□:Yb□+/Er□+ nanoparticles. *Small*, **2012**, 8, 2163-8	11	56
138	Triple-layer (au@perylene)@polyaniline nanocomposite: unconventional growth of faceted organic nanocrystals on polycrystalline Au. *Angewandte Chemie - International Edition*, **2011**, 50, 9898-902	16.4	55
137	Fabrication of ultralong hybrid microfibers from nanosheets of reduced graphene oxide and transition-metal dichalcogenides and their application as supercapacitors. *Angewandte Chemie - International Edition*, **2014**, 53, 12576-80	16.4	54
136	High-throughput dip-pen-nanolithography-based fabrication of Si nanostructures. *Small*, **2007**, 3, 81-5	11	54
135	Kinetically-Driven Phase Transformation during Lithiation in Copper Sulfide Nanoflakes. *Nano Letters*, **2017**, 17, 5726-5733	11.5	53
134	Fabrication of Core□Shell Structure of [email□protected] (M=Se, Au, Ag2Se) and Transformation to Yolk□Shell Structure by Electron Beam Irradiation or Vacuum Annealing. *Chemistry of Materials*, **2009**, 21, 3848-3852	9.6	53
133	Nanopaper based on Ag/TiO2 nanobelts heterostructure for continuous-flow photocatalytic treatment of liquid and gas phase pollutants. *Journal of Hazardous Materials*, **2011**, 197, 19-25	12.8	52
132	Free-standing bimetallic nanorings and nanoring arrays made by on-wire lithography. *ACS Nano*, **2010**, 4, 7676-82	16.7	52
131	Controlled assembly of gold nanoparticles and graphene oxide sheets on dip pen nanolithography-generated templates. *Langmuir*, **2009**, 25, 10455-8	4	52
130	An on-nanoparticle rolling-circle amplification platform for ultrasensitive protein detection in biological fluids. *Small*, **2010**, 6, 2520-5	11	52
129	Synthesis of Open-Ended, Cylindrical Au□Ag Alloy Nanostructures on a Si/SiOx Surface. *Nano Letters*, **2004**, 4, 1493-1495	11.5	52
128	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

127	Template-free pseudomorphic synthesis of tungsten carbide nanorods. *Small*, **2012**, 8, 3350-6	11	51
126	Bottom-up preparation of porous metal-oxide ultrathin sheets with adjustable composition/phases and their applications. *Small*, **2011**, 7, 3458-64	11	51
125	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
124	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. *Journal of the American Chemical Society*, **2015**, 137, 14566-9	16.4	50
123	Graphene oxide scrolls on hydrophobic substrates fabricated by molecular combing and their application in gas sensing. *Small*, **2013**, 9, 382-6	11	50
122	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. *Nanoscale*, **2017**, 9, 5102-5109	7.7	49
121	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. *Nanoscale*, **2015**, 7, 9394-8	7.7	48
120	A Method for Fabrication of Graphene Oxide Nanoribbons from Graphene Oxide Wrinkles. *Journal of Physical Chemistry C*, **2009**, 113, 19119-19122	3.8	48
119	Binder Free Hierarchical Mesoporous Carbon Foam for High Performance Lithium Ion Battery. *Scientific Reports*, **2017**, 7, 1440	4.9	47
118	Transformable masks for colloidal nanosynthesis. *Nature Communications*, **2018**, 9, 563	17.4	47
117	Recent Progress in the Preparation, Assembly, Transformation, and Applications of Layer-Structured Nanodisks beyond Graphene. *Advanced Materials*, **2017**, 29, 1701704	24	47
116	Demonstration of High-Resolution Capability of Chemical Force Titration via Study of Acid/Base Properties of a Patterned Self-Assembled Monolayer. *Langmuir*, **2000**, 16, 517-521	4	47
115	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. *ACS Catalysis*, **2016**, 6, 7865-7871	13.1	46
114	Electrochemical deposition of Pt nanoparticles on carbon nanotube patterns for glucose detection. *Analyst, The*, **2010**, 135, 1726-30	5	44
113	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
112	Piezoelectricity in two-dimensional materials. *Angewandte Chemie - International Edition*, **2015**, 54, 4432-46	16.4	43
111	Free-standing one-dimensional plasmonic nanostructures. *Nanoscale*, **2012**, 4, 66-75	7.7	43
110	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. *Angewandte Chemie - International Edition*, **2017**, 56, 578-581	16.4	42

109	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
108	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
107	Preparation and applications of novel composites composed of metal-organic frameworks and two-dimensional materials. *Chemical Communications*, **2016**, 52, 1555-62	5.8	41
106	Nucleation Mechanism of Electrochemical Deposition of Cu on Reduced Graphene Oxide Electrodes. *Journal of Physical Chemistry C*, **2011**, 115, 15973-15979	3.8	40
105	Integrating carbon nanotubes and lipid bilayer for biosensing. *Biosensors and Bioelectronics*, **2010**, 25, 1834-7	11.8	39
104	Controlled growth of peptide nanoarrays on Si/SiOx substrates. *Small*, **2008**, 4, 1324-8	11	38
103	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
102	High-density metallic nanogaps fabricated on solid substrates used for surface enhanced Raman scattering. *Nanoscale*, **2012**, 4, 860-3	7.7	37
101	Solution-processed nanocrystalline TiO2 buffer layer used for improving the performance of organic photovoltaics. *ACS Applied Materials & Interfaces*, **2011**, 3, 1063-7	9.5	37
100	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
99	Surface modification of smooth poly(L-lactic acid) films for gelatin immobilization. *ACS Applied Materials & Interfaces*, **2012**, 4, 687-93	9.5	36
98	Preparation, characterization, physical properties, and photoconducting behaviour of anthracene derivative nanowires. *Nanoscale*, **2011**, 3, 4720-3	7.7	36
97	Force titration of amino group-terminated self-assembled monolayers of 4-aminothiophenol on gold using chemical force microscopy. *Thin Solid Films*, **1998**, 327-329, 778-780	2.2	36
96	A pyrazolate-bridged cyclic tetranuclear copper(II) complex: synthesis, crystal structure and magnetic properties. *Journal of the Chemical Society Dalton Transactions*, **1996**, 3799		36
95	Synthesis of 4H/fcc-Au@Metal Sulfide Core-Shell Nanoribbons. *Journal of the American Chemical Society*, **2015**, 137, 10910-3	16.4	35
94	Triangular Ag-Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. *Nanoscale*, **2014**, 6, 11738-43	7.7	35
93	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
92	Preservation of lattice orientation in coalescing imperfectly aligned gold nanowires by a zipper mechanism. *Angewandte Chemie - International Edition*, **2013**, 52, 6019-23	16.4	34

91	Assembly of Graphene Oxide and Au0.7Ag0.3 Alloy Nanoparticles on SiO2: A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. *Journal of Physical Chemistry C*, **2011**, 115, 24080-24084	3.8	34
90	Dialdehyde Cellulose as a Bio-Based Robust Adhesive for Wood Bonding. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10452-10459	8.3	33
89	Controlled growth of single-walled carbon nanotubes on patterned substrates. *Chemical Society Reviews*, **2011**, 40, 5221-31	58.5	33
88	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
87	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
86	Hybrid Flexible Resistive Random Access Memory-Gated Transistor for Novel Nonvolatile Data Storage. *Small*, **2016**, 12, 390-6	11	32
85	Hierarchical protonated titanate nanostructures for lithium-ion batteries. *Nanoscale*, **2011**, 3, 4074-7	7.7	32
84	Nanohybridization of ferrocene clusters and reduced graphene oxides with enhanced lithium storage capability. *Chemical Communications*, **2011**, 47, 10383-5	5.8	31
83	Polyphenylene Dendrimer-Templated In Situ Construction of Inorganic□Organic Hybrid Rice-Shaped Architectures. *Advanced Functional Materials*, **2010**, 20, 43-49	15.6	31
82	Synthesis of porous amorphous FePO4 nanotubes and their lithium storage properties. *Chemistry - A European Journal*, **2013**, 19, 1568-72	4.8	30
81	Synthesis and structure of two-dimensional transition-metal dichalcogenides. *MRS Bulletin*, **2015**, 40, 566-576	3.2	30
80	Theoretical Investigation on the Thermal Stability of Hollow Gold Nanoparticles. *Journal of Physical Chemistry C*, **2009**, 113, 20193-20197	3.8	30
79	Surface-Enhanced Raman Scattering of Ag□Au Nanodisk Heterodimers. *Journal of Physical Chemistry C*, **2012**, 116, 10390-10395	3.8	28
78	Discrimination of Dendrimer Aggregates on Mica Based on Adhesion Force:□A Pulsed Force Mode Atomic Force Microscopy Study. *Langmuir*, **2000**, 16, 9294-9298	4	28
77	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
76	Combat biofouling with microscopic ridge-like surface morphology: a bioinspired study. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	27
75	Redox-crosslinked graphene networks with enhanced electrochemical capacitance. *Journal of Materials Chemistry A*, **2014**, 2, 12924	13	26
74	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

73	A carbon monoxide gas sensor using oxygen plasma modified carbon nanotubes. *Nanotechnology*, **2012**, 23, 425502	3.4	26
72	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS-Based Nanocomposite. *Bioconjugate Chemistry*, **2017**, 28, 1059-1067	6.3	25
71	Single-Layer Ternary Chalcogenide Nanosheet as a Fluorescence-Based "Capture-Release" Biomolecular Nanosensor. *Small*, **2017**, 13, 1601925	11	24
70	Electrochemically "writing" graphene from graphene oxide. *Small*, **2014**, 10, 3555-9	11	24
69	Nanoscale-controlled enzymatic degradation of poly(L-lactic acid) films using dip-pen nanolithography. *Small*, **2011**, 7, 226-9	11	24
68	Hollow carbon nanosphere embedded with ultrafine Fe3O4 nanoparticles as high performance Li-ion battery anode. *Electrochimica Acta*, **2016**, 219, 356-362	6.7	24
67	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
66	Preparation of graphene-MoS2 hybrid aerogels as multifunctional sorbents for water remediation. *Science China Materials*, **2017**, 60, 1102-1108	7.1	23
65	One-pot encapsulation of luminescent quantum dots synthesized in aqueous solution by amphiphilic polymers. *Small*, **2011**, 7, 1456-63	11	23
64	Recyclable hydrophilic-hydrophobic micropatterns on glass for microarray applications. *Langmuir*, **2007**, 23, 4728-31	4	23
63	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. *Nano Energy*, **2016**, 26, 1-6	17.1	23
62	Enhancing the sensing specificity of a MoS nanosheet-based FRET aptasensor using a surface blocking strategy. *Analyst, The*, **2017**, 142, 2570-2577	5	22
61	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
60	Amplified detection of femtomolar DNA based on a one-to-few recognition reaction between DNA-Au conjugate and target DNA. *Nanoscale*, **2014**, 6, 3110-5	7.7	22
59	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. *ChemPlusChem*, **2012**, 77, 688-693	2.8	22
58	Gold nanotip array for ultrasensitive electrochemical sensing and spectroscopic monitoring. *Small*, **2013**, 9, 2260-5	11	22
57	In Situ Modification of Three-Dimensional Polyphenylene Dendrimer-Templated CuO Rice-Shaped Architectures with Electron Beam Irradiation. *Journal of Physical Chemistry C*, **2010**, 114, 13465-13470	3.8	22
56	Induced coiling action: exploring the intrinsic defects in five-fold twinned silver nanowires. *ACS Nano*, **2012**, 6, 6033-9	16.7	21

55	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
54	Specific functionalization of CTAB stabilized anisotropic gold nanoparticles with polypeptides for folding-mediated self-assembly. *Journal of Materials Chemistry*, **2012**, 22, 20368		20
53	Facile "needle-scratching" method for fast catalyst patterns used for large-scale growth of densely aligned single-walled carbon-nanotube arrays. *Small*, **2009**, 5, 2061-5	11	20
52	Phosphine-free, low-temperature synthesis of tetrapod-shaped CdS and its hybrid with Au nanoparticles. *Small*, **2014**, 10, 4727-34	11	19
51	Rational synthesis of triangular Au-Ag(2)S hybrid nanoframes with effective photoresponses. *Chemistry - A European Journal*, **2014**, 20, 2742-5	4.8	19
50	Postchemistry of organic microrods: thermopolymerization in aqueous solution. *Chemistry - an Asian Journal*, **2011**, 6, 801-3	4.5	19
49	Dip-Pen Nanolithography-Generated Patterns Used as Gold Etch Resists: A Comparison Study of 16-Mercaptohexadecanioc Acid and 1-Octadecanethiol. *Journal of Physical Chemistry C*, **2009**, 113, 4184-4187	3.8	19
48	Asymmetric electron transport realized by decoupling between molecule and electrode. *Physical Chemistry Chemical Physics*, **2009**, 11, 10323-30	3.6	19
47	Probing Carboxylic Acid Groups in Replaced and Mixed Self-Assembled Monolayers by Individual Ionized Dendrimer Molecules: An Atomic Force Microscopy Study. *Langmuir*, **2002**, 18, 1801-1810	4	19
46	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
45	Encapsulation of nanoscale metal oxides into an ultra-thin Ni matrix for superior Li-ion batteries: a versatile strategy. *Nanoscale*, **2014**, 6, 12990-3000	7.7	18
44	Graphene oxide architectures prepared by molecular combing on hydrophilic-hydrophobic micropatterns. *Small*, **2014**, 10, 2239-44	11	18
43	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles. *Nano Energy*, **2017**, 42, 232-240	17.1	17
42	Periodic AuAg-Ag_2S heterostructured nanowires. *Small*, **2014**, 10, 479-82	11	17
41	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
40	Adhesion, proliferation, and gene expression profile of human umbilical vein endothelial cells cultured on bilayered polyelectrolyte coatings composed of glycosaminoglycans. *Biointerphases*, **2010**, 5, FA53-62	1.8	16
39	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
38	Interfacial Synthesis of Cellulose-Derived Solvent-Responsive Nanoparticles via Schiff Base Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16595-16603	8.3	15

37	OWL-based nanomasks for preparing graphene ribbons with sub-10 nm gaps. *Nano Letters*, **2012**, 12, 4734-7	11.5	15
36	Single-layer graphene oxide sheet: a novel substrate for dip-pen nanolithography. *Chemical Communications*, **2011**, 47, 10070-2	5.8	15
35	Immobilization of recombinant vault nanoparticles on solid substrates. *ACS Nano*, **2010**, 4, 1417-24	16.7	15
34	Mesoscopic organic nanosheets peeled from stacked 2D covalent frameworks. *Chemical Communications*, **2011**, 47, 7365-7	5.8	15
33	Semiconductor Nanocomposites of Emissive Flexible Random Copolymers and CdTe Nanocrystals: Preparation, Characterization, and Optoelectronic Properties. *Macromolecular Chemistry and Physics*, **2007**, 208, 2007-2017	2.6	15
32	Atomic Force Microscopy Evidence of Citrate Displacement by 4-Mercaptopyridine on Gold in Aqueous Solution *Langmuir*, **2000**, 16, 4554-4557	4	15
31	Solvothermal-induced conversion of one-dimensional multilayer nanotubes to two-dimensional hydrophilic VOx nanosheets: synthesis and water treatment application. *ACS Applied Materials & Interfaces*, **2013**, 5, 10389-94	9.5	14
30	Vapor-liquid-solid growth of endotaxial semiconductor nanowires. *Nano Letters*, **2012**, 12, 5565-70	11.5	14
29	Robust, Easy-Cleaning Superhydrophobic/Superoleophilic Copper Meshes for Oil/Water Separation under Harsh Conditions. *Advanced Materials Interfaces*, **2019**, 6, 1900158	4.6	12
28	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
27	High-Internal-Phase Pickering Emulsions Stabilized by Polymeric Dialdehyde Cellulose-Based Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7371-7379	8.3	12
26	TaS2 nanosheet-based room-temperature dosage meter for nitric oxide. *APL Materials*, **2014**, 2, 092506	5.7	12
25	Scalable solid-template reduction for designed reduced graphene oxide architectures. *ACS Applied Materials & Interfaces*, **2013**, 5, 7676-81	9.5	12
24	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. *Advanced Materials Technologies*, **2017**, 2, 1600231	6.8	11
23	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
22	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
21	Molecular crystals on two-dimensional van der Waals substrates. *Science China Materials*, **2015**, 58, 5-8	7.1	11
20	Generation of dual patterns of metal oxide nanomaterials based on seed-mediated selective growth. *Langmuir*, **2010**, 26, 4616-9	4	11

19	Covalent Organic Frameworks for Efficient Energy Electrocatalysis: Rational Design and Progress. *Advanced Energy and Sustainability Research*, **2021**, 2, 2000090	1.6	11
18	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. *ACS Energy Letters*, **2021**, 6, 1859-1868	20.1	11
17	Facile growth of a single-crystal pattern: a case study of HKUST-1. *Chemical Communications*, **2012**, 48, 11901-3	5.8	10
16	Surface immobilized cholera toxin B subunit (CTB) facilitates vesicle docking, trafficking and exocytosis. *Integrative Biology (United Kingdom)*, **2010**, 2, 250-7	3.7	10
15	Levelling the playing field: screening for synergistic effects in coalesced bimetallic nanoparticles. *Nanoscale*, **2016**, 8, 3447-53	7.7	9
14	Synthesis, Structure, Physical Properties, and Displacement Current Measurement of an n-Type Organic Semiconductor: 2:3,5:6-Bis(1,1-dicyanoethylene-2,2-dithiolate)-quinone. *Australian Journal of Chemistry*, **2012**, 65, 1674	1.2	9
13	Surface-induced synthesis and self-assembly of metal suprastructures. *Small*, **2010**, 6, 2708-15	11	9
12	Substrate-bound growth of Au-Pd diblock nanowire and hybrid nanorod-plate. *Nanoscale*, **2015**, 7, 8115-21	7.7	8
11	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
10	Facile "scratching" method with common metal objects to generate large-scale catalyst patterns used for growth of single-walled carbon nanotubes. *ACS Applied Materials & Interfaces*, **2009**, 1, 1873-7	9.5	8
9	Pulsed-Force-Mode AFM Studies of Polyphenylene Dendrimers on Self-Assembled Monolayers. *Journal of Physical Chemistry C*, **2007**, 111, 8142-8144	3.8	8
8	Two-dimensional synthetic templates. *National Science Review*, **2015**, 2, 19-21	10.8	6
7	Spirals and helices by asymmetric active surface growth. *Nanoscale*, **2017**, 9, 18352-18358	7.7	4
6	A rectifying diode with hysteresis effect from an electroactive hybrid of carbazole-functionalized polystyrene with CdTe nanocrystals via electrostatic interaction. *Science China Chemistry*, **2010**, 53, 2324-2328	7.9	4
5	Microstructure array on Si and SiOx generated by micro-contact printing, wet chemical etching and reactive ion etching. *Applied Surface Science*, **2006**, 253, 1960-1963	6.7	4
4	The 6-(10-Mercaptodecoxyl)quinoline Self-Assembled Monolayer on Gold: Spectroscopy and Wettability Investigation. *Journal of Colloid and Interface Science*, **1999**, 214, 46-52	9.3	4
3	Preparation and Applications of Two-Dimensional Crystals Based on Organic or Metal-Organic Materials. *Acta Chimica Sinica*, **2015**, 73, 913	3.3	4
2	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

1 CADMIUM TELLURIDE NANOCRYSTALS: SYNTHESIS, GROWTH MODE AND EFFECT OF REACTION TEMPERATURE ON CRYSTAL STRUCTURES. *Nano*, **2008**, 03, 109-115 1.1 1