

Yadong Yin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

430
papers

60,055
citations

114
h-index

239
g-index

475
ext. papers

65,465
ext. citations

12.5
avg, IF

8.13
L-index

#	Paper	IF	Citations
430	Collective Plasmon Coupling in Gold Nanoparticle Clusters for Highly Efficient Photothermal Therapy.. <i>ACS Nano</i> , 2022 ,	16.7	5
429	Multicolor Photonic Pigments for Rotation-Asymmetric Mechanochromic Devices (Adv. Mater. 4/2022). <i>Advanced Materials</i> , 2022 , 34, 2270031	24	
428	Piezo-photocatalytic flexible PAN/TiO composite nanofibers for environmental remediation.. <i>Science of the Total Environment</i> , 2022 , 153790	10.2	2
427	Gold nanocups with multimodal plasmon resonance for quantum-dot random lasing. <i>Applied Materials Today</i> , 2022 , 26, 101358	6.6	0
426	Templated Synthesis of Plasmonic Nanostructures 2022 , 305-347		
425	High-Precision Colorimetric Sensing by Dynamic Tracking of Solvent Diffusion in Hollow-Sphere Photonic Crystals. <i>Research</i> , 2022 , 2022, 1-11	7.8	0
424	Rapid High-Contrast Photoreversible Coloration of Surface-Functionalized N-Doped TiO Nanocrystals for Rewritable Light-Printing.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202203700	16.4	1
423	Colloidal Self-Assembly Approaches to Smart Nanostructured Materials. <i>Chemical Reviews</i> , 2021 ,	68.1	28
422	Strain-Modulated Seeded Growth of Highly Branched Black Au Superparticles for Efficient Photothermal Conversion. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20513-20523	16.4	11
421	Light-powered soft steam engines for self-adaptive oscillation and biomimetic swimming. <i>Science Robotics</i> , 2021 , 6, eabi4523	18.6	10
420	Magnetic assembly of colloidal nanoparticles into responsive photonic crystals 2021 ,		
419	Mastering the surface strain of platinum catalysts for efficient electrocatalysis. <i>Nature</i> , 2021 , 598, 76-81	50.4	37
418	Multicolor Photonic Pigments for Rotation-Asymmetric Mechanochromic Devices. <i>Advanced Materials</i> , 2021 , e2107398	24	5
417	Self-assembly of superstructures at all scales. <i>Matter</i> , 2021 , 4, 927-941	12.7	14
416	Deposition of Atomically Thin Pt Shells on Amorphous Palladium Phosphide Cores for Enhancing the Electrocatalytic Durability. <i>ACS Nano</i> , 2021 , 15, 7348-7356	16.7	13
415	MoS/FeS Nanocomposite Catalyst for Efficient Fenton Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	10
414	Phosphate removal using surface enriched hematite and tetra-n-butylammonium bromide incorporated polyacrylonitrile composite nanofibers. <i>Science of the Total Environment</i> , 2021 , 770, 145364	10.2	6

413	Structural Coloration: Shear-Induced Assembly of Liquid Colloidal Crystals for Large-Scale Structural Coloration of Textiles (Adv. Funct. Mater. 19/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170133	15.6	2
412	Surface Engineering and Controlled Ripening for Seed-Mediated Growth of Au Islands on Au Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16958-16964	16.4	12
411	Surface Engineering and Controlled Ripening for Seed-Mediated Growth of Au Islands on Au Nanocrystals. <i>Angewandte Chemie</i> , 2021 , 133, 17095-17101	3.6	0
410	Encapsulated Metal Nanoparticles for Catalysis. <i>Chemical Reviews</i> , 2021 , 121, 834-881	68.1	149
409	Anisotropic Seeded Growth of Ag Nanoplates Confined in Shape-Deformable Spaces. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4117-4124	16.4	15
408	Anisotropic Seeded Growth of Ag Nanoplates Confined in Shape-Deformable Spaces. <i>Angewandte Chemie</i> , 2021 , 133, 4163-4170	3.6	4
407	Ni-based Plasmonic/Magnetic Nanostructures as Efficient Light Absorbers for Steam Generation. <i>Advanced Functional Materials</i> , 2021 , 31, 2006294	15.6	23
406	Polarization-Modulated Multidirectional Photothermal Actuators. <i>Advanced Materials</i> , 2021 , 33, e2006367		15
405	Plasmonic Nanostructures for Photothermal Conversion. <i>Small Science</i> , 2021 , 1, 2000055		26
404	A dual responsive photonic liquid for independent modulation of color brightness and hue. <i>Materials Horizons</i> , 2021 , 8, 2032-2040	14.4	12
403	Self-templated formation of cobalt-embedded hollow N-doped carbon spheres for efficient oxygen reduction. <i>Nano Research</i> , 2021 , 14, 2819-2825	10	5
402	Manipulation of Interfacial Diffusion for Controlling Nanoscale Transformation. <i>Accounts of Chemical Research</i> , 2021 , 54, 1168-1177	24.3	8
401	A Blind Background Calibration Technique for Super-Regenerative Receivers. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	
400	Shear-Induced Assembly of Liquid Colloidal Crystals for Large-Scale Structural Coloration of Textiles. <i>Advanced Functional Materials</i> , 2021 , 31, 2010746	15.6	28
399	Assembly of Colloidal Nanoparticles into Hollow Superstructures by Controlling Phase Separation in Emulsion Droplets. <i>Small Structures</i> , 2021 , 2, 2100005	8.7	4
398	Coupling morphological and magnetic anisotropy for assembling tetragonal colloidal crystals. <i>Science Advances</i> , 2021 , 7, eabh1289	14.3	7
397	Creation and Reconstruction of Thermo-chromic Au Nanorods with Surface Concavity. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15791-15799	16.4	3
396	A High Bandwidth-Power Efficiency, Low THD _{2,3} Driver Amplifier with Dual-Loop Active Frequency Compensation for High-Speed Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 2311	2.6	

395	Non-precious electrocatalysts for oxygen evolution reaction in anion exchange membrane water electrolysis: A mini review. <i>Electrochemistry Communications</i> , 2021 , 131, 107118	5.1	5
394	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. <i>Chemical Society Reviews</i> , 2021 , 50, 5898-5951	58.5	51
393	Fatigue Resistant Aerogel/Hydrogel Nanostructured Hybrid for Highly Sensitive and Ultrabroad Pressure Sensing. <i>Small</i> , 2021 , e2104706	11	1
392	Colloidal Assembly and Active Tuning of Coupled Plasmonic Nanospheres. <i>Trends in Chemistry</i> , 2020 , 2, 593-608	14.8	18
391	Coupling magnetic and plasmonic anisotropy in hybrid nanorods for mechanochromic responses. <i>Nature Communications</i> , 2020 , 11, 2883	17.4	29
390	Ligand-Assisted Solid-State Transformation of Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 3271-3277	3.6	6
389	An Intermittent Frequency Synthesizer With Accurate Frequency Detection for Fast Duty-Cycled Receivers. <i>IEEE Access</i> , 2020 , 8, 45148-45155	3.5	1
388	Anisotropic plasmonic nanostructures for colorimetric sensing. <i>Nano Today</i> , 2020 , 32, 100855	17.9	60
387	Superior performance of anion exchange membrane water electrolyzer: Ensemble of producing oxygen vacancies and controlling mass transfer resistance. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119276	21.8	32
386	Magnetic cellulose microcrystals with tunable magneto-optical responses. <i>Applied Materials Today</i> , 2020 , 20, 100749	6.6	8
385	Formation of resorcinol-formaldehyde hollow nanoshells through a dissolution-regrowth process. <i>Nanoscale</i> , 2020 , 12, 15460-15465	7.7	5
384	Magnetic-Optical Core-Shell Nanostructures for Highly Selective Photoelectrochemical Aptasensing. <i>Analytical Chemistry</i> , 2020 , 92, 4094-4100	7.8	27
383	Superior performance and stability of anion exchange membrane water electrolysis: pH-controlled copper cobalt oxide nanoparticles for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4290-4299	13	30
382	A mechanistic study of mesoporous TiO ₂ nanoparticle negative electrode materials with varying crystallinity for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3333-3343	13	20
381	Metallic Active Sites on MoO(110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. <i>IScience</i> , 2020 , 23, 100861	6.1	53
380	Surface-Initiated Redox Route to Hollow MnO ₂ Nanostructures. <i>ChemNanoMat</i> , 2020 , 6, 1186-1190	3.5	4
379	Ligand exchange on noble metal nanocrystals assisted by coating and etching of cuprous oxide. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1614-1622	7.8	7
378	Single-crystalline CoFe nanoparticles encapsulated in N-doped carbon nanotubes as a bifunctional catalyst for water splitting. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2307-2313	7.8	9

377	Customizable Ligand Exchange for Tailored Surface Property of Noble Metal Nanocrystals. <i>Research</i> , 2020 , 2020, 2131806	7.8	7
376	The Calculated Dielectric Function and Optical Properties of Bimetallic Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2721-2727	3.8	8
375	Thickness-dependent wrinkling of PDMS films for programmable mechanochromic responses. <i>Nano Research</i> , 2020 , 13, 1882-1888	10	23
374	Plasmon-Enhanced Oxygen Evolution Catalyzed by Fe ₂ N-Embedded TiO _x N _y Nanoshells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 146-151	6.1	6
373	Alkyne/Ruthenium(II) Complex-Based Ratiometric Surface-Enhanced Raman Scattering Nanoprobe for In Vitro and Ex Vivo Tracking of Carbon Monoxide. <i>Analytical Chemistry</i> , 2020 , 92, 924-931	7.8	15
372	Magnetically Tunable Plasmon Coupling of Au Nanoshells Enabled by Space-Free Confined Growth. <i>Nano Letters</i> , 2020 , 20, 8242-8249	11.5	14
371	Integrated Evaporator for Efficient Solar-Driven Interfacial Steam Generation. <i>Nano Letters</i> , 2020 , 20, 6051-6058	11.5	50
370	Janus Evaporators with Self-Recovering Hydrophobicity for Salt-Rejecting Interfacial Solar Desalination. <i>ACS Nano</i> , 2020 ,	16.7	54
369	High-resolution combinatorial patterning of functional nanoparticles. <i>Nature Communications</i> , 2020 , 11, 6002	17.4	11
368	Dual Roles of Polymeric Capping Ligands in the Surface-Protected Etching of Colloidal Silica. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38751-38756	9.5	2
367	Distinct expression profiles of peptides in placentae from preeclampsia and normal pregnancies. <i>Scientific Reports</i> , 2020 , 10, 17558	4.9	1
366	Localized Charge Accumulation Driven by Li ⁺ Incorporation for Efficient LED Phosphors with Tunable Photoluminescence. <i>Chemistry of Materials</i> , 2020 , 32, 9551-9559	9.6	17
365	Smart Materials by Nanoscale Magnetic Assembly. <i>Advanced Functional Materials</i> , 2020 , 30, 1903467	15.6	54
364	Dynamic Color-Switching of Plasmonic Nanoparticle Films. <i>Angewandte Chemie</i> , 2019 , 131, 16453-16459	3.6	13
363	Dynamic Color-Switching of Plasmonic Nanoparticle Films. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16307-16313	16.4	34
362	Magnetic Assembly of Nanocubes for Orientation-Dependent Photonic Responses. <i>Nano Letters</i> , 2019 , 19, 6673-6680	11.5	46
361	Creating Chameleon-like Smart Actuators. <i>Matter</i> , 2019 , 1, 550-551	12.7	9
360	Surface-bound sacrificial electron donors in promoting photocatalytic reduction on titania nanocrystals. <i>Nanoscale</i> , 2019 , 11, 19512-19519	7.7	4

359	Multi-colored hollow carbon-containing titania nanoshells for anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14080-14087	7.1	9
358	Nickel nanoparticles individually encapsulated in densified ceramic shells for thermally stable solar energy absorption. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3039-3045	13	7
357	Photoreversible luminescence switching of CsPbI nanocrystals sensitized by photochromic AgI nanocrystals. <i>Nanoscale</i> , 2019 , 11, 3193-3199	7.7	21
356	Dynamically Switchable Multicolor Electrochromic Films. <i>Small</i> , 2019 , 15, e1804974	11	30
355	CoP-Doped MOF-Based Electrocatalyst for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4679-4684	16.4	348
354	Embedding RhPx in N, P Co-Doped Carbon Nanoshells Through Synergetic Phosphorization and Pyrolysis for Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2019 , 29, 1901790	15.6	56
353	Bi(OH)/PdBi Composite Nanochains as Highly Active and Durable Electrocatalysts for Ethanol Oxidation. <i>Nano Letters</i> , 2019 , 19, 4752-4759	11.5	56
352	Mesoporous TiO ₂ nanospheres loaded with highly dispersed Pd nanoparticles for pH-universal hydrogen evolution reaction. <i>Materials Today Nano</i> , 2019 , 6, 100038	9.7	14
351	Space-Confined Seeded Growth of Cu Nanorods with Strong Surface Plasmon Resonance for Photothermal Actuation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9275-9281	16.4	35
350	Space-Confined Seeded Growth of Cu Nanorods with Strong Surface Plasmon Resonance for Photothermal Actuation. <i>Angewandte Chemie</i> , 2019 , 131, 9376-9382	3.6	19
349	Three-Dimensional Dendritic Cu ₂ O@P Electrode by One-Step Electrodeposition on a Hydrogen Bubble Template for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10734-10741	8.3	47
348	Nanoconjugates of Ag/Au/Carbon Nanotube for Alkyne-Meditated Ratiometric SERS Imaging of Hypoxia in Hepatic Ischemia. <i>Analytical Chemistry</i> , 2019 , 91, 4529-4536	7.8	30
347	Direct Synthesis of Water-Dispersible Magnetic/Plasmonic Heteronanostructures for Multimodality Biomedical Imaging. <i>Nano Letters</i> , 2019 , 19, 3011-3018	11.5	38
346	Self-Aligned Anisotropic Plasmonic Nanostructures. <i>Advanced Materials</i> , 2019 , 31, e1900789	24	36
345	Ultra-low-power FSK demodulator with frequency-offset tolerance. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019 , 14, 768-772	1	2
344	Stimuli-Responsive Optical Nanomaterials. <i>Advanced Materials</i> , 2019 , 31, e1807061	24	112
343	CoP-Doped MOF-Based Electrocatalyst for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 4727-4732	3.6	56
342	Crystal-to-Gel Transformation Stimulated by a Solid-State E-Z Photoisomerization. <i>Angewandte Chemie</i> , 2019 , 131, 15575-15580	3.6	5

341	Crystal-to-Gel Transformation Stimulated by a Solid-State E-Z Photoisomerization. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15429-15434	16.4	7
340	Hydrogen Evolution: Embedding RhPx in N, P Co-Doped Carbon Nanoshells Through Synergetic Phosphorization and Pyrolysis for Efficient Hydrogen Evolution (Adv. Funct. Mater. 33/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970230	15.6	1
339	Amorphous and crystalline TiO ₂ nanoparticle negative electrodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 321, 134723	6.7	14
338	Confined Growth of Quantum Dots in Silica Spheres by Ion Exchange of Trapped NH ₄ ⁺ for White-Light Emission. <i>Chem</i> , 2019 , 5, 2195-2214	16.2	17
337	Air-Liquid Interfacial Self-Assembly of Two-Dimensional Periodic Nanostructured Arrays. <i>ChemNanoMat</i> , 2019 , 5, 1338-1360	3.5	16
336	A PVT-Robust Super-Regenerative Receiver with Background Frequency Calibration and Concurrent Quenching Waveform. <i>Electronics (Switzerland)</i> , 2019 , 8, 1119	2.6	2
335	Efficiency-based power MOSFETs size optimization method for DC-DC buck converters 2019 ,		1
334	Dynamic Tuning of Optical Transmittance of 1D Colloidal Assemblies of Magnetic Nanostructures. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900099	6	8
333	Utilization of a magnetic field-driven microscopic motion for piezoelectric energy harvesting. <i>Nanoscale</i> , 2019 , 11, 20527-20533	7.7	8
332	Fluorine-assisted structural engineering of colloidal anatase TiO ₂ hierarchical nanocrystals for enhanced photocatalytic hydrogen production. <i>Nanoscale</i> , 2019 , 11, 22575-22584	7.7	6
331	Self-Templating Approaches to Hollow Nanostructures. <i>Advanced Materials</i> , 2019 , 31, e1802349	24	105
330	Space-Confined Seeded Growth of Black Silver Nanostructures for Solar Steam Generation. <i>Nano Letters</i> , 2019 , 19, 400-407	11.5	110
329	Coordination-assisted synthesis of iron-incorporated cobalt oxide nanoplates for enhanced oxygen evolution. <i>Materials Today Chemistry</i> , 2019 , 11, 112-118	6.2	28
328	Noble-Metal-Free Electrocatalysts for Oxygen Evolution. <i>Small</i> , 2019 , 15, e1804201	11	262
327	Porous SiO ₂ -coated Au-Ag alloy nanoparticles for the alkyne-mediated ratiometric Raman imaging analysis of hydrogen peroxide in live cells. <i>Analytica Chimica Acta</i> , 2019 , 1057, 1-10	6.6	12
326	Alkyne-DNA-Functionalized Alloyed Au/Ag Nanospheres for Ratiometric Surface-Enhanced Raman Scattering Imaging Assay of Endonuclease Activity in Live Cells. <i>Analytical Chemistry</i> , 2018 , 90, 3898-3905	7.8	42
325	Construction of Pd-M (M = Ni, Ag, Cu) alloy surfaces for catalytic applications. <i>Nano Research</i> , 2018 , 11, 780-790	10	47
324	Digestive ripening in the formation of monodisperse silver nanospheres. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1328-1333	7.8	15

323	Au/AgI Dimeric Nanoparticles for Highly Selective and Sensitive Colorimetric Detection of Hydrogen Sulfide. <i>Advanced Functional Materials</i> , 2018 , 28, 1800515	15.6	60
322	Cd-Doped Amorphous TiO Hollow Spheres for Robust and Ultrasensitive Photoelectrochemical Sensing of Hydrogen Sulfide. <i>Analytical Chemistry</i> , 2018 , 90, 5496-5502	7.8	63
321	Electrochemical Fabrication and Sensing Application of Multicolored Silver Films. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800277	4.6	5
320	Modulation of the Reduction Potential of TiO by Fluorination for Efficient and Selective CH Generation from CO Photoreduction. <i>Nano Letters</i> , 2018 , 18, 3384-3390	11.5	130
319	Metal Sulfides as Excellent Co-catalysts for H ₂ O ₂ Decomposition in Advanced Oxidation Processes. <i>Chem</i> , 2018 , 4, 1359-1372	16.2	393
318	Strong photoluminescence of Cs ₄ PbBr ₆ crystals: a long mystery story. <i>Science Bulletin</i> , 2018 , 63, 525-526	0.6	8
317	Optical tuning by the self-assembly and disassembly of chain-like plasmonic superstructures. <i>National Science Review</i> , 2018 , 5, 128-130	10.8	20
316	Synthesis of ultrathin platinum nanoplates for enhanced oxygen reduction activity. <i>Chemical Science</i> , 2018 , 9, 398-404	9.4	63
315	Scalable synthesis of sub-100 nm hollow carbon nanospheres for energy storage applications. <i>Nano Research</i> , 2018 , 11, 1822-1833	10	19
314	Surface Engineering of Nanostructured Energy Materials. <i>Advanced Materials</i> , 2018 , 30, e1802091	24	35
313	Colloidal Assembly Approaches to Micro/Nanostructures of Complex Morphologies. <i>Small</i> , 2018 , 14, e1801083	11	55
312	Aqueous Synthesis of Ultrathin Platinum/Non-Noble Metal Alloy Nanowires for Enhanced Hydrogen Evolution Activity. <i>Angewandte Chemie</i> , 2018 , 130, 11852-11856	3.6	39
311	Aqueous Synthesis of Ultrathin Platinum/Non-Noble Metal Alloy Nanowires for Enhanced Hydrogen Evolution Activity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11678-11682	16.4	93
310	Reversible Assembly and Dynamic Plasmonic Tuning of Ag Nanoparticles Enabled by Limited Ligand Protection. <i>Nano Letters</i> , 2018 , 18, 5312-5318	11.5	37
309	Building High-Density AuAg Islands on Au Nanocrystals by Partial Surface Passivation. <i>Advanced Functional Materials</i> , 2018 , 28, 1803199	15.6	30
308	Nanocrystals@Hollow Mesoporous Silica Reverse-Bumpy-Ball Structure Nanoreactors by a Versatile Microemulsion-Templated Approach. <i>Small Methods</i> , 2018 , 2, 1800105	12.8	17
307	Anisotropically Shaped Magnetic/Plasmonic Nanocomposites for Information Encryption and Magnetic-Field-Direction Sensing. <i>Research</i> , 2018 , 2018, 7527825	7.8	20
306	Interfacial Synthesis of Highly Stable CsPbX/Oxide Janus Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 406-412	16.4	256

305	Photocatalytic Reversible Color Switching Based on Titania Nanoparticles. <i>Small Methods</i> , 2018 , 2, 17002738	26
304	A Unique Disintegration-Reassembly Route to Mesoporous Titania Nanocrystalline Hollow Spheres with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2018 , 28, 1704208	15.6 32
303	Porous cobalt oxide nanoplates enriched with oxygen vacancies for oxygen evolution reaction. <i>Nano Energy</i> , 2018 , 43, 110-116	17.1 324
302	Stabilization of noble metal nanostructures for catalysis and sensing. <i>Nanoscale</i> , 2018 , 10, 20492-20504	7.7 26
301	Ultrathin PtAg Alloy Nanotubes with Regular Nanopores for Enhanced Electrocatalytic Activity. <i>Chemistry of Materials</i> , 2018 , 30, 7744-7751	9.6 19
300	Migration of Iron Oxide Nanoparticle through a Silica Shell by the Redox-Buffering Effect. <i>ACS Nano</i> , 2018 , 12, 10949-10956	16.7 15
299	Controlled growth of dodecapod-branched CsPbBr ₃ nanocrystals and their application in white light emitting diodes. <i>Nano Energy</i> , 2018 , 53, 559-566	17.1 34
298	All-Inorganic Metal Halide Perovskite Nanocrystals: Opportunities and Challenges. <i>ACS Central Science</i> , 2018 , 4, 668-679	16.8 226
297	Colorimetric Sulfide Sensing: Au/AgI Dimeric Nanoparticles for Highly Selective and Sensitive Colorimetric Detection of Hydrogen Sulfide (Adv. Funct. Mater. 26/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870176	15.6 4
296	Controlled Synthesis of Octahedral Platinum-Based Mesocrystals by Oriented Aggregation. <i>Chemistry - A European Journal</i> , 2017 , 23, 6803-6810	4.8 8
295	Construction of AuPd alloy shells for enhanced catalytic performance toward alkyne semihydrogenation reactions. <i>Materials Horizons</i> , 2017 , 4, 584-590	14.4 29
294	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1700803	24 258
293	Photocatalytic Self-Doped SnO ₂ Nanocrystals Drive Visible-Light-Responsive Color Switching. <i>Angewandte Chemie</i> , 2017 , 129, 7900-7904	3.6 13
292	Photocatalytic Self-Doped SnO Nanocrystals Drive Visible-Light-Responsive Color Switching. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7792-7796	16.4 92
291	Controllable Fabrication of Au Nanocups by Confined-Space Thermal Dewetting for OCT Imaging. <i>Advanced Materials</i> , 2017 , 29, 1701070	24 37
290	Phase-controllable synthesis of cobalt hydroxide for electrocatalytic oxygen evolution. <i>Dalton Transactions</i> , 2017 , 46, 10545-10548	4.3 45
289	Synthesis of Pd Nanoframes by Excavating Solid Nanocrystals for Enhanced Catalytic Properties. <i>ACS Nano</i> , 2017 , 11, 163-170	16.7 57
288	Self-assembly of noble metal nanoparticles into sub-100 nm colloidosomes with collective optical and catalytic properties. <i>Chemical Science</i> , 2017 , 8, 6103-6110	9.4 33

287	Chemical Transformation of Colloidal Nanostructures with Morphological Preservation by Surface-Protection with Capping Ligands. <i>Nano Letters</i> , 2017 , 17, 2713-2718	11.5	37
286	AgInS quantum dots for the detection of trinitrotoluene. <i>Nanotechnology</i> , 2017 , 28, 015501	3.4	11
285	Inflating hollow nanocrystals through a repeated Kirkendall cavitation process. <i>Nature Communications</i> , 2017 , 8, 1261	17.4	99
284	Gold nanoshurikens with uniform sharp tips for chemical sensing by the localized surface plasmon resonance. <i>Nanoscale</i> , 2017 , 9, 17037-17043	7.7	17
283	Interfacial solar heating by self-assembled Fe ₃ O ₄ @C film for steam generation. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2620-2626	7.8	44
282	Island Growth in the Seed-Mediated Overgrowth of Monometallic Colloidal Nanostructures. <i>Chem</i> , 2017 , 3, 678-690	16.2	41
281	Dual-Pore Carbon Shells for Efficient Removal of Humic Acid from Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 16249-16256	4.8	10
280	Oxygen Evolution Reaction: Self-Templated Fabrication of CoO/MoO ₂ Nanocages for Enhanced Oxygen Evolution (Adv. Funct. Mater. 34/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	2
279	Fully alloyed Ag/Au nanorods with tunable surface plasmon resonance and high chemical stability. <i>Nanoscale</i> , 2017 , 9, 14875-14880	7.7	45
278	Self-Templated Fabrication of CoO/MoO ₂ Nanocages for Enhanced Oxygen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1702324	15.6	167
277	From Nonluminescent CsPbX (X = Cl, Br, I) Nanocrystals to Highly Luminescent CsPbX Nanocrystals: Water-Triggered Transformation through a CsX-Stripping Mechanism. <i>Nano Letters</i> , 2017 , 17, 5799-5804	11.5	276
276	Photocatalytic removal of hexavalent chromium by newly designed and highly reductive TiO nanocrystals. <i>Water Research</i> , 2017 , 108, 383-390	12.5	76
275	Photocatalytic Color Switching of Transition Metal Hexacyanometalate Nanoparticles for High-Performance Light-Printable Rewritable Paper. <i>Nano Letters</i> , 2017 , 17, 755-761	11.5	68
274	Magnetically Responsive Photonic Nanostructures for Display Applications 2017 , 123-150		
273	Tailored synthesis of C@TiO ₂ yolk-shell nanostructures for highly efficient photocatalysis. <i>Catalysis Today</i> , 2016 , 264, 261-269	5.3	38
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