

# Younan Xia

## 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.

678  
papers

131,480  
citations

182  
h-index

351  
g-index

704  
ext. papers

141,812  
ext. citations

12.1  
avg, IF

8.85  
L-index

#	Paper	IF	Citations
678	Solution-Phase Synthesis of PdH Nanocubes with Enhanced Stability and Activity toward Formic Acid Oxidation.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	8
677	Nanofiber/hydrogel core-shell scaffolds with three-dimensional multilayer patterned structure for accelerating diabetic wound healing.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 28	9.4	2
676	Using computational methods to design patient-specific electrospun cardiac patches for pediatric heart failure.. <i>Biomaterials</i> , <b>2022</b> , 283, 121421	15.6	0
675	Geometry and surface state effects on the mechanical response of Au nanostructures. <i>International Journal of Materials Research</i> , <b>2022</b> , 95, 416-424	0.5	
674	Hydroquinone-Based Synthesis of Pd Nanostructures and the Interplay of Surface Capping, Reduction Kinetics, Attachment, Diffusion, and Fusion. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 8430-8439	9.6	2
673	Elucidating the surface compositions of Pd@Pt core-shell nanocrystals through catalytic reactions and spectroscopy probes. <i>Nanoscale</i> , <b>2021</b> , 13, 18498-18506	7.7	
672	Facile Synthesis of Palladium-Based Nanocrystals with Different Crystal Phases and a Comparison of Their Catalytic Properties. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103801	24	4
671	Bimetallic Janus Nanocrystals: Syntheses and Applications. <i>Advanced Materials</i> , <b>2021</b> , e2102591	24	12
670	Kinetically Controlled Synthesis of Pd-Cu Janus Nanocrystals with Enriched Surface Structures and Enhanced Catalytic Activities toward CO Reduction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 149-162	16.4	24
669	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10472-10480	3.6	2
668	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10384-10392	16.4	12
667	Kinetically Controlled Synthesis of Rhodium Nanocrystals with Different Shapes and a Comparison Study of Their Thermal and Catalytic Properties. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6293-6302	16.4	8
666	Colloidal Nanospheres of Amorphous Selenium: Facile Synthesis, Size Control, and Optical Properties. <i>ChemNanoMat</i> , <b>2021</b> , 7, 620-625	3.5	1
665	Swelling-Induced Symmetry Breaking: A Versatile Approach to the Scalable Production of Colloidal Particles with a Janus Structure. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13090-13094	3.6	3
664	Biomimetic Scaffolds with a Mineral Gradient and Funnel-Shaped Channels for Spatially Controllable Osteogenesis. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2100828	10.1	1
663	Pt-Co@Pt Octahedral Nanocrystals: Enhancing Their Activity and Durability toward Oxygen Reduction with an Intermetallic Core and an Ultrathin Shell. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8509-8518	16.4	27
662	Swelling-Induced Symmetry Breaking: A Versatile Approach to the Scalable Production of Colloidal Particles with a Janus Structure. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12980-12984	16.4	11

661	Improving the Purity and Uniformity of Pd and Pt Nanocrystals by Decoupling Growth from Nucleation in a Flow Reactor. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3791-3801	9.6	3
660	Pd/Au Asymmetric Nanopyramids: Lateral vs Vertical Growth of Au on Pd Decahedral Seeds. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5391-5400	9.6	4
659	Atomistic insights into the nucleation and growth of platinum on palladium nanocrystals. <i>Nature Communications</i> , <b>2021</b> , 12, 3215	17.4	4
658	Maximizing the Catalytic Performance of Pd@Au Pd Nanocubes in H <sub>2</sub> O <sub>2</sub> Production by Reducing Shell Thickness to Increase Compositional Stability. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19795-19799	3.6	2
657	In Situ Growth of Pt-Co Nanocrystals on Different Types of Carbon Supports and Their Electrochemical Performance toward Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	1
656	Nanobottles for Controlled Release and Drug Delivery. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2000587	8.1	10
655	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. <i>Chemical Reviews</i> , <b>2021</b> , 121, 649-735	68.1	140
654	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C <sub>2</sub> + Products in CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 1937-1943	3.6	9
653	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C Products in CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1909-1915	16.4	46
652	Physical Transformations of Noble-Metal Nanocrystals upon Thermal Activation. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 1-10	24.3	8
651	A Simple Route to the Synthesis of Pt Nanobars and the Mechanistic Understanding of Symmetry Reduction. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2760-2766	4.8	2
650	Bifunctional Janus Particles as Multivalent Synthetic Nanoparticle Antibodies (SNABs) for Selective Depletion of Target Cells. <i>Nano Letters</i> , <b>2021</b> , 21, 875-886	11.5	6
649	Colloidal Metal Nanocrystals with Metastable Crystal Structures. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12300-12311	3.1	10
648	Using Reduction Kinetics to Control and Predict the Outcome of a Colloidal Synthesis of Noble-Metal Nanocrystals. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	5
647	Twin-Directed Deposition of Pt on Pd Icosahedral Nanocrystals for Catalysts with Enhanced Activity and Durability toward Oxygen Reduction. <i>Nano Letters</i> , <b>2021</b> , 21, 2248-2254	11.5	14
646	Colloidal Metal Nanocrystals with Metastable Crystal Structures. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12192-12203	16.4	7
645	Augmenting Tendon-to-Bone Repair with Functionally Graded Scaffolds. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002269	10.1	8
644	Maximizing the Catalytic Performance of Pd@Au Pd Nanocubes in H <sub>2</sub> O Production by Reducing Shell Thickness to Increase Compositional Stability. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19643-19647	16.4	7

643	Facile Synthesis of Platinum Right Bipyramids by Separating and Controlling the Nucleation Step in a Continuous Flow System. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13855-13863	4.8	1
642	Polydopamine Nanobottles with Photothermal Capability for Controlled Release and Related Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104729	24	8
641	Radiolabeling of Gold Nanocages for Potential Applications in Tracking, Diagnosis, and Image-Guided Therapy. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002031	10.1	3
640	Phase-Change Materials for Controlled Release and Related Applications. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000660	24	70
639	Engraving the Surface of Electrospun Microfibers with Nanoscale Grooves Promotes the Outgrowth of Neurites and the Migration of Schwann Cells. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15756-15762	23.6	1
638	Pt-Co truncated octahedral nanocrystals: a class of highly active and durable catalysts toward oxygen reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 11718-11727	7.7	7
637	Separating Growth from Nucleation for Facile Control over the Size and Shape of Palladium Nanocrystals. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13890-13895	4.8	4
636	Maneuvering the Migration and Differentiation of Stem Cells with Electrospun Nanofibers. <i>Advanced Science</i> , <b>2020</b> , 7, 2000735	13.6	32
635	Controlling the Release of Neurotrophin-3 and Chondroitinase ABC Enhances the Efficacy of Nerve Guidance Conduits. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000200	10.1	8
634	Killing cancer cells by rupturing their lysosomes. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 252-253	28.7	16
633	Crystal-phase and surface-structure engineering of ruthenium nanocrystals. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 440-459	73.3	58
632	Engraving the Surface of Electrospun Microfibers with Nanoscale Grooves Promotes the Outgrowth of Neurites and the Migration of Schwann Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15626-15632	16.4	19
631	Pt-Ir-Pd Trimetallic Nanocages as a Dual Catalyst for Efficient Oxygen Reduction and Evolution Reactions in Acidic Media. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1904114	21.8	55
630	Spatiotemporally Controlling the Release of Biological Effectors Enhances Their Effects on Cell Migration and Neurite Outgrowth. <i>Small Methods</i> , <b>2020</b> , 4, 2000125	12.8	7
629	Facile Synthesis of Ag@PdnL Icosahedral Nanocrystals as a Class of Cost-Effective Electrocatalysts toward Formic Acid Oxidation. <i>ChemCatChem</i> , <b>2020</b> , 12, 5156-5163	5.2	4
628	A New Catalytic System with Balanced Activity and Durability toward Oxygen Reduction. <i>ChemCatChem</i> , <b>2020</b> , 12, 4817-4824	5.2	3
627	Quantitative Analysis of the Multiple Roles Played by Halide Ions in Controlling the Growth Patterns of Palladium Nanocrystals. <i>ChemNanoMat</i> , <b>2020</b> , 6, 576-588	3.5	10
626	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901761	10.1	19

625	Pd-Ru Alloy Nanocages with a Face-Centered Cubic Structure and Their Enhanced Activity toward the Oxidation of Ethylene Glycol and Glycerol. <i>Small Methods</i> , <b>2020</b> , 4, 1900843	12.8	16
624	Aqueous Synthesis of PdM (M = Pd, Pt, and Au) Decahedra with Concave Facets for Catalytic Applications. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 664-672	2.3	4
623	Pencil-like Ag Nanorods Asymmetrically Capped by Pd. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5361-5367	9.6	3
622	Oberflächenstabilisatoren und ihre Rolle bei der formkontrollierten Synthese von kolloidalen Metall-Nanokristallen. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15498-15523	3.6	3
621	Surface Capping Agents and Their Roles in Shape-Controlled Synthesis of Colloidal Metal Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15378-15401	16.4	88
620	Facet-controlled PtIr nanocrystals with substantially enhanced activity and durability towards oxygen reduction. <i>Materials Today</i> , <b>2020</b> , 35, 69-77	21.8	20
619	Facile Synthesis of PdCu Bimetallic Twin Nanocubes and a Mechanistic Understanding of the Shape Evolution. <i>ChemNanoMat</i> , <b>2020</b> , 6, 386-391	3.5	1
618	Transforming Nanofiber Mats into Hierarchical Scaffolds with Graded Changes in Porosity and/or Nanofiber Alignment. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900579	4.8	7
617	Gold nanocages for effective photothermal conversion and related applications. <i>Chemical Science</i> , <b>2020</b> , 11, 12955-12973	9.4	15
616	Promoting Cell Migration and Neurite Extension along Uniaxially Aligned Nanofibers with Biomacromolecular Particles in a Density Gradient. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002031	15.6	19
615	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19129-19135	16.4	9
614	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19291-19297	3.6	0
613	A Mechanistic Study of the Multiple Roles of Oleic Acid in the Oil-Phase Synthesis of Pt Nanocrystals. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15636-15642	4.8	4
612	General Approach to the Synthesis of Heterodimers of Metal Nanoparticles through Site-Selected Protection and Growth. <i>Nano Letters</i> , <b>2019</b> , 19, 6703-6708	11.5	32
611	Facile Strategy for Fabrication of Flexible, Breathable, and Washable Piezoelectric Sensors via Welding of Nanofibers with Multiwalled Carbon Nanotubes (MWCNTs). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38023-38030	9.5	35
610	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrospayed Microparticles of Fatty Acids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3988-3991	3.6	5
609	Photothermal transformation of Au-Ag nanocages under pulsed laser irradiation. <i>Nanoscale</i> , <b>2019</b> , 11, 3013-3020	7.7	20
608	Incorporation of gold nanocages into electrospun nanofibers for efficient water evaporation through photothermal heating. <i>Materials Today Energy</i> , <b>2019</b> , 12, 129-135	7	35

607	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrospayed Microparticles of Fatty Acids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3948-3951	16.4	23
606	Facile One-Pot Synthesis of Pd@Pt <sub>1</sub> L Octahedra with Enhanced Activity and Durability toward Oxygen Reduction. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1370-1380	9.6	29
605	Reaktitelbild: Iridium-Based Cubic Nanocages with 1.1-nm-Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium (Angew. Chem. 22/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7576-7576	3.6	
604	Ruthenium Nanoframes in the Face-Centered Cubic Phase: Facile Synthesis and Their Enhanced Catalytic Performance. <i>ACS Nano</i> , <b>2019</b> , 13, 7241-7251	16.7	30
603	Encapsulation of a Phase-Change Material in Nanocapsules with a Well-Defined Hole in the Wall for the Controlled Release of Drugs. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10606-10611	16.4	69
602	Encapsulation of a Phase-Change Material in Nanocapsules with a Well-Defined Hole in the Wall for the Controlled Release of Drugs. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10716-10721	3.6	15
601	Electrospun Nanofiber-Based Patches for the Delivery of Cardiac Progenitor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18242-18253	9.5	18
600	Iridium-Based Cubic Nanocages with 1.1-nm-Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7244-7248	16.4	59
599	Electrospinning and Electrospun Nanofibers: Methods, Materials, and Applications. <i>Chemical Reviews</i> , <b>2019</b> , 119, 5298-5415	68.1	1463
598	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. <i>Chemical Reviews</i> , <b>2019</b> , 119, 8972-9073	68.1	148
597	Iridium-Based Cubic Nanocages with 1.1-nm-Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7322-7326	3.6	6
596	Ru Octahedral Nanocrystals with a Face-Centered Cubic Structure, {111} Facets, Thermal Stability up to 400 °C, and Enhanced Catalytic Activity. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7028-7036	16.4	71
595	Seed-Mediated Growth of Au Nanospheres into Hexagonal Stars and the Emergence of a Hexagonal Close-Packed Phase. <i>Nano Letters</i> , <b>2019</b> , 19, 3115-3121	11.5	28
594	Facile Synthesis of Pt Icosahedral Nanocrystals with Controllable Sizes for the Evaluation of Size-Dependent Activity toward Oxygen Reduction. <i>ChemCatChem</i> , <b>2019</b> , 11, 2458-2463	5.2	9
593	One-Pot Synthesis of Pd@Pt Core-Shell Icosahedral Nanocrystals in High Throughput through a Quantitative Analysis of the Reduction Kinetics. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5322-5329	4.8	7
592	Decahedral nanocrystals of noble metals: Synthesis, characterization, and applications. <i>Materials Today</i> , <b>2019</b> , 22, 108-131	21.8	60
591	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16416-16421	16.4	21
590	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16568-16573	3.6	8

589	Electrospun Fiber Mesh for High-Resolution Measurements of Oxygen Tension in Cranial Bone Defect Repair. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33548-33558	9.5	20
588	Catalytic System Based on Sub-2 nm Pt Particles and Its Extraordinary Activity and Durability for Oxygen Reduction. <i>Nano Letters</i> , <b>2019</b> , 19, 4997-5002	11.5	36
587	Synthesis of CaO Nanocrystals and Their Spherical Aggregates with Uniform Sizes for Use as a Biodegradable Bacteriostatic Agent. <i>Small</i> , <b>2019</b> , 15, e1902118	11	41
586	Facile Synthesis and Characterization of [email protected]nL (n = 14) Core-Shell Nanocubes for Highly Efficient Oxygen Evolution in Acidic Media. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5867-5875	9.6	38
585	Pd@Rh core-shell nanocrystals with well-defined facets and their enhanced catalytic performance towards CO oxidation. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1232-1238	10.8	7
584	Continuous Production of Water-Soluble Nanocrystals through Anti-Solvent Precipitation in a Fluidic Device. <i>ChemNanoMat</i> , <b>2019</b> , 5, 1131-1136	3.5	2
583	Direct Visualization and Semi-Quantitative Analysis of Payload Loading in the Case of Gold Nanocages. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17835-17838	3.6	
582	Direct Visualization and Semi-Quantitative Analysis of Payload Loading in the Case of Gold Nanocages. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17671-17674	16.4	5
581	A Quantitative Analysis of the Reduction Kinetics Involved in the Synthesis of Au@Pd Concave Nanocubes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16397-16404	4.8	8
580	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. <i>ChemNanoMat</i> , <b>2019</b> , 5, 599-605	3.5	6
579	Three-Dimensional Objects Consisting of Hierarchically Assembled Nanofibers with Controlled Alignments for Regenerative Medicine. <i>Nano Letters</i> , <b>2019</b> , 19, 2059-2065	11.5	36
578	[email protected] Core-Shell Nanocubes with Controllable Sizes in the Range of 20-100 nm for Applications in Catalysis and Plasmonics. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1533-1540	5.6	9
577	Synthesis, Transformation, and Utilization of Monodispersed Colloidal Spheres. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 3475-3487	24.3	26
576	In My Element: Silver. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4244-4244	4.8	3
575	Near-Infrared-Triggered Release of Ca Ions for Potential Application in Combination Cancer Therapy. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801113	10.1	26
574	Combination cancer treatment through photothermally controlled release of selenous acid from gold nanocages. <i>Biomaterials</i> , <b>2018</b> , 178, 517-526	15.6	56
573	A facile, robust and scalable method for the synthesis of Pd nanoplates with hydroxylamine as a reducing agent and mechanistic insights from kinetic analysis. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4677-4682	7.1	16
572	Quantifying the Sub-Cellular Distributions of Gold Nanospheres Taken Up by Cells through Stepwise, Site-Selective Etching. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 8513-8518	4.8	2

571	Synthesis of Palladium Nanoscale Octahedra through a One-Pot, Dual-Reductant Route and Kinetic Analysis. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 6133-6139	4.8	13
570	General Method for Generating Circular Gradients of Active Proteins on Nanofiber Scaffolds Sought for Wound Closure and Related Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8536-8545	9.5	31
569	An aligned porous electrospun fibrous membrane with controlled drug delivery - An efficient strategy to accelerate diabetic wound healing with improved angiogenesis. <i>Acta Biomaterialia</i> , <b>2018</b> , 70, 140-153	10.8	105
568	Integration of Phase-Change Materials with Electrospun Fibers for Promoting Neurite Outgrowth under Controlled Release. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705563	15.6	57
567	Facile synthesis of Pd concave nanocubes: From kinetics to mechanistic understanding and rationally designed protocol. <i>Nano Research</i> , <b>2018</b> , 11, 3122-3131	10	8
566	Site-selective growth of Ag nanocubes for sharpening their corners and edges, followed by elongation into nanobars through symmetry reduction. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1384-1392	7.1	19
565	Design and Fabrication of a Hierarchically Structured Scaffold for Tendon-to-Bone Repair. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707306	24	60
564	Facile Synthesis of Silver Icosahedral Nanocrystals with Uniform and Controllable Sizes. <i>ChemNanoMat</i> , <b>2018</b> , 4, 1071-1077	3.5	5
563	The physical chemistry and materials science behind sinter-resistant catalysts. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4314-4331	58.5	127
562	A Droplet-Reactor System Capable of Automation for the Continuous and Scalable Production of Noble-Metal Nanocrystals. <i>Nano Letters</i> , <b>2018</b> , 18, 3879-3884	11.5	38
561	Hollow Metal Nanocrystals with Ultrathin, Porous Walls and Well-Controlled Surface Structures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801956	24	53
560	Synthesis of Colloidal Metal Nanocrystals: A Comprehensive Review on the Reductants. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 16944-16963	4.8	93
559	Understanding the Stability of Pt-Based Nanocages under Thermal Stress Using In Situ Electron Microscopy. <i>ChemNanoMat</i> , <b>2018</b> , 4, 112-117	3.5	10
558	Rhodium Decahedral Nanocrystals: Facile Synthesis, Mechanistic Insights, and Experimental Controls. <i>ChemNanoMat</i> , <b>2018</b> , 4, 66-70	3.5	8
557	Continuous processing of phase-change materials into uniform nanoparticles for near-infrared-triggered drug release. <i>Nanoscale</i> , <b>2018</b> , 10, 22312-22318	7.7	18
556	Quantitative analysis of the reduction kinetics of a Pt(II) precursor in the context of Pt nanocrystal synthesis. <i>Chinese Journal of Chemical Physics</i> , <b>2018</b> , 31, 370-374	0.9	8
555	Toward affordable and sustainable use of precious metals in catalysis and nanomedicine. <i>MRS Bulletin</i> , <b>2018</b> , 43, 860-869	3.2	7
554	Perspective: Aligned arrays of electrospun nanofibers for directing cell migration. <i>APL Materials</i> , <b>2018</b> , 6,	5.7	32



553	Direct in Situ Observation and Analysis of the Formation of Palladium Nanocrystals with High-Index Facets. <i>Nano Letters</i> , <b>2018</b> , 18, 7004-7013	11.5	30
552	Facile synthesis of PtAg octahedral and tetrahedral nanocrystals with enhanced activity and durability toward methanol oxidation. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 3891-3897	2.5	1
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413	Microscale polymer bottles corked with a phase-change material for temperature-controlled release. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10468-71	16.4	77
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