

Yawen Wang

List of Publications by Year in descending order

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43
papers

3,442
citations

304743

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin MoS ₂ Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7395-7398.	13.8	596
2	Emerging chirality in nanoscience. <i>Chemical Society Reviews</i> , 2013, 42, 2930-2962.	38.1	468
3	Thermodynamics versus Kinetics in Nanosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2022-2051.	13.8	400
4	Synthesis of Highly Uniform Molybdenum Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7423-7426.	13.8	288
5	Formation of Triple-shelled Molybdenum Polydopamine Hollow Spheres and Their Conversion into MoO ₂ /Carbon Composite Hollow Spheres for Lithium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14668-14672.	13.8	185
6	Forest of Gold Nanowires: A New Type of Nanocrystal Growth. <i>ACS Nano</i> , 2013, 7, 2733-2740.	14.6	126
7	One-step synthesis of composite vesicles: Direct polymerization and in situ over-oxidation of thiophene. <i>Chemical Science</i> , 2011, 2, 2109.	7.4	125
8	Chiral Transformation: From Single Nanowire to Double Helix. <i>Journal of the American Chemical Society</i> , 2011, 133, 20060-20063.	13.7	101
9	Catalysts in electro-, photo- and photoelectrocatalytic CO ₂ reduction reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 40, 117-149.	11.6	101
10	Mechanical Nanosprings: Induced Coiling and Uncoiling of Ultrathin Au Nanowires. <i>Journal of the American Chemical Society</i> , 2010, 132, 11920-11922.	13.7	99
11	Strategy for Nano-catalysis in a Fixed-bed System. <i>Advanced Materials</i> , 2014, 26, 4151-4155.	21.0	95
12	Achieving Site-Specificity in Multistep Colloidal Synthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 7624-7627.	13.7	85
13	Facile synthesis of ultrathin Pt-Pd nanosheets for enhanced formic acid oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18846-18851.	10.3	82
14	Continuous Tuning of Au-Cu ₂ O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22246-22251.	13.8	69
15	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. <i>Chemical Science</i> , 2017, 8, 430-436.	7.4	57
16	Triple-layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9898-9902.	13.8	55
17	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6019-6023.	13.8	36
18	Formation of Triple-shelled Molybdenum Polydopamine Hollow Spheres and Their Conversion into MoO ₂ /Carbon Composite Hollow Spheres for Lithium-ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 14888-14892.	2.0	35

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19	Synthesis of Highly Uniform Molybdenumâ€“Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithiumâ€“ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 7549-7552.	2.0	32
20	Direct Synthesis of Ultrathin Pt Nanowire Arrays as Catalysts for Methanol Oxidation. <i>Small</i> , 2020, 16, e2001135.	10.0	28
21	Assembly of Ultrathin Gold Nanowires: From Polymer Analogue to Colloidal Block. <i>ACS Nano</i> , 2017, 11, 2756-2763.	14.6	24
22	Exploiting Rayleigh Instability in Creating Parallel Au Nanowires with Exotic Arrangements. <i>Small</i> , 2016, 12, 930-938.	10.0	21
23	Developing Mutually Encapsulating Materials for Versatile Syntheses of Multilayer Metalâ€“Silicaâ€“Polymer Hybrid Nanostructures. <i>Small</i> , 2012, 8, 1857-1862.	10.0	20
24	Effect of Thiolated Ligands in Au Nanowire Synthesis. <i>Small</i> , 2017, 13, 1702121.	10.0	20
25	Facile Synthesis of Pd and PdPtNi Trimetallic Nanosheets as Enhanced Oxygen Reduction Electrocatalysts. <i>Small</i> , 2022, 18, e2103665.	10.0	20
26	Twisting Ultrathin Au Nanowires into Double Helices. <i>Small</i> , 2018, 14, e1801925.	10.0	18
27	Continuous Tuning of Auâ€“Cu ₂ O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie</i> , 2020, 132, 22430-22435.	2.0	16
28	Braiding Ultrathin Au Nanowires into Ropes. <i>Journal of the American Chemical Society</i> , 2020, 142, 10629-10633.	13.7	14
29	Substrate-bound growth of Auâ€“Pd diblock nanowire and hybrid nanorodâ€“plate. <i>Nanoscale</i> , 2015, 7, 8115-8121.	5.6	12
30	Template-less Synthesis of Coded Au Nanowires. <i>Nano Letters</i> , 2021, 21, 1156-1160.	9.1	10
31	Understanding the evolution of tunable spiral threads in homochiral Au nano-screws. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4136-4141.	6.0	9
32	Ag nanoframes: controllable reduction of AgCl _x Br _{1-x} nanocubes. <i>Chemical Communications</i> , 2019, 55, 5571-5574.	4.1	8
33	Solution synthesis of helical gold nanowire bundles. <i>Nanoscale</i> , 2019, 11, 19729-19735.	5.6	8
34	Spirals and helices by asymmetric active surface growth. <i>Nanoscale</i> , 2017, 9, 18352-18358.	5.6	7
35	Turning weak into strong: on the CTAB-induced active surface growth. <i>Science China Chemistry</i> , 2022, 65, 1299-1305.	8.2	7
36	Gold nanospirals on colloidal gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 304-310.	9.4	6

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37	From flat to deep concave: an unusual mode of facet control. <i>Chemical Communications</i> , 2022, 58, 6128-6131.	4.1	6
38	Synthesis of substrate-bound seaweed-like Au nanowires with amino silane coupling agents. <i>Chemical Communications</i> , 2022, 58, 989-992.	4.1	3
39	Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfide-Mediated Growth. <i>Small Structures</i> , 2022, 3, .	12.0	3
40	Innenr¼cktitelbild: Synthesis of Highly Uniform Molybdenum-Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithium-Ion Batteries (<i>Angew. Chem.</i>) Tj ETQq0 0 0 0 BT /Overlock 10 Tf	0.0	0
41	Alkynyl ligands-induced growth of ultrathin nanowires arrays. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 640-649.	9.4	1
42	Using Polystyrene-block-poly(acrylic acid)-coated Metal Nanoparticles as Monomers for Their Homo- and Co-polymerization. <i>Journal of Visualized Experiments</i> , 2015, , e52954.	0.3	0
43	Synthesis of Substrate-Bound Au Nanowires Via an Active Surface Growth Mechanism. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0