

Yawen Wang

List of Publications by Year in descending order

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43
papers

3,442
citations

304743

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docs citations

51
times ranked

5538
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of substrate-bound seaweed-like Au nanowires with amino silane coupling agents. <i>Chemical Communications</i> , 2022, 58, 989-992.	4.1	3
2	Facile Synthesis of Pd and PdPtNi Trimetallic Nanosheets as Enhanced Oxygen Reduction Electrocatalysts. <i>Small</i> , 2022, 18, e2103665.	10.0	20
3	From flat to deep concave: an unusual mode of facet control. <i>Chemical Communications</i> , 2022, 58, 6128-6131.	4.1	6
4	Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfide-Mediated Growth. <i>Small Structures</i> , 2022, 3, .	12.0	3
5	Turning weak into strong: on the CTAB-induced active surface growth. <i>Science China Chemistry</i> , 2022, 65, 1299-1305.	8.2	7
6	Understanding the evolution of tunable spiral threads in homochiral Au nano-screws. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4136-4141.	6.0	9
7	Alkynyl ligands-induced growth of ultrathin nanowires arrays. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 640-649.	9.4	1
8	Template-less Synthesis of Coded Au Nanowires. <i>Nano Letters</i> , 2021, 21, 1156-1160.	9.1	10
9	Continuous Tuning of Au-Cu ₂ O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie</i> , 2020, 132, 22430-22435.	2.0	16
10	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
11	Braiding Ultrathin Au Nanowires into Ropes. <i>Journal of the American Chemical Society</i> , 2020, 142, 10629-10633.	13.7	14
12	Direct Synthesis of Ultrathin Pt Nanowire Arrays as Catalysts for Methanol Oxidation. <i>Small</i> , 2020, 16, e2001135.	10.0	28
13	Gold nanospirals on colloidal gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 304-310.	9.4	6
14	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
15	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
16	Ag nanoframes: controllable reduction of AgCl _x Br _{1-x} nanocubes. <i>Chemical Communications</i> , 2019, 55, 5571-5574.	4.1	8
17	Solution synthesis of helical gold nanowire bundles. <i>Nanoscale</i> , 2019, 11, 19729-19735.	5.6	8
18	Twisting Ultrathin Au Nanowires into Double Helices. <i>Small</i> , 2018, 14, e1801925.	10.0	18

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19	Synthesis of Substrate-Bound Au Nanowires Via an Active Surface Growth Mechanism. Journal of Visualized Experiments, 2018, , .	0.3	0
20	Assembly of Ultrathin Gold Nanowires: From Polymer Analogue to Colloidal Block. ACS Nano, 2017, 11, 2756-2763.	14.6	24
21	Spirals and helices by asymmetric active surface growth. Nanoscale, 2017, 9, 18352-18358.	5.6	7
22	Effect of Thiolated Ligands in Au Nanowire Synthesis. Small, 2017, 13, 1702121.	10.0	20
23	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. Chemical Science, 2017, 8, 430-436.	7.4	57
24	Exploiting Rayleigh Instability in Creating Parallel Au Nanowires with Exotic Arrangements. Small, 2016, 12, 930-938.	10.0	21
25	Synthesis of Highly Uniform Molybdenumâ€“Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithiumâ€“ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 7423-7426.	13.8	288
26	Synthesis of Highly Uniform Molybdenumâ€“Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithiumâ€“ion Batteries. Angewandte Chemie, 2016, 128, 7549-7552.	2.0	32
27	Formation of Tripleâ€“Shelled Molybdenumâ€“Polydopamine Hollow Spheres and Their Conversion into MoO ₃ /Carbon Composite Hollow Spheres for Lithiumâ€“ion Batteries. Angewandte Chemie, 2016, 128, 14888-14892.	2.0	35
28	Formation of Tripleâ€“Shelled Molybdenumâ€“Polydopamine Hollow Spheres and Their Conversion into MoO ₃ /Carbon Composite Hollow Spheres for Lithiumâ€“ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 14668-14672.	13.8	185
29	InnenÃ¼cktitelbild: Synthesis of Highly Uniform Molybdenumâ€“Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithiumâ€“ion Batteries (Angew. Chem.) Tj ETQq1 1 0.284314 rgbT /Overbo	2.0	35
30	Using Polystyrene- block -poly(acrylic acid)-coated Metal Nanoparticles as Monomers for Their Homo- and Co-polymerization. Journal of Visualized Experiments, 2015, , e52954.	0.3	0
31	Substrate-bound growth of Auâ€“Pd diblock nanowire and hybrid nanorodâ€“plate. Nanoscale, 2015, 7, 8115-8121.	5.6	12
32	Achieving Site-Specificity in Multistep Colloidal Synthesis. Journal of the American Chemical Society, 2015, 137, 7624-7627.	13.7	85
33	Ultrathin MoS ₂ Nanosheets Supported on Nâ€“doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. Angewandte Chemie - International Edition, 2015, 54, 7395-7398.	13.8	596
34	Thermodynamics versus Kinetics in Nanosynthesis. Angewandte Chemie - International Edition, 2015, 54, 2022-2051.	13.8	400
35	Strategy for Nanoâ€“Catalysis in a Fixedâ€“Bed System. Advanced Materials, 2014, 26, 4151-4155.	21.0	95
36	Emerging chirality in nanoscience. Chemical Society Reviews, 2013, 42, 2930-2962.	38.1	468

#	ARTICLE	IF	CITATIONS
37	Forest of Gold Nanowires: A New Type of Nanocrystal Growth. ACS Nano, 2013, 7, 2733-2740.	14.6	126
38	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. Angewandte Chemie - International Edition, 2013, 52, 6019-6023.	13.8	36
39	Developing Mutually Encapsulating Materials for Versatile Syntheses of Multilayer Metal-Silica-Polymer Hybrid Nanostructures. Small, 2012, 8, 1857-1862.	10.0	20
40	One-step synthesis of composite vesicles: Direct polymerization and in situ over-oxidation of thiophene. Chemical Science, 2011, 2, 2109.	7.4	125
41	Chiral Transformation: From Single Nanowire to Double Helix. Journal of the American Chemical Society, 2011, 133, 20060-20063.	13.7	101
42	Triple-Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. Angewandte Chemie - International Edition, 2011, 50, 9898-9902.	13.8	55
43	Mechanical Nanosprings: Induced Coiling and Uncoiling of Ultrathin Au Nanowires. Journal of the American Chemical Society, 2010, 132, 11920-11922.	13.7	99