

Yawen Wang

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.

42
papers

2,770
citations

21
h-index

51
g-index

51
ext. papers

3,111
ext. citations

11.2
avg, IF

5.44
L-index

#	Paper	IF	Citations
42	From flat to deep concave: an unusual mode of facet control.. <i>Chemical Communications</i> , 2022 , 58, 6128-6131	5.83	0
41	Template-less Synthesis of Coded Au Nanowires. <i>Nano Letters</i> , 2021 , 21, 1156-1160	11.5	4
40	Facile Synthesis of Pd and PdPtNi Trimetallic Nanosheets as Enhanced Oxygen Reduction Electrocatalysts. <i>Small</i> , 2021 , e2103665	11	2
39	Braiding Ultrathin Au Nanowires into Ropes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10629-10633	16.33	5
38	Direct Synthesis of Ultrathin Pt Nanowire Arrays as Catalysts for Methanol Oxidation. <i>Small</i> , 2020 , 16, e2001135	11	14
37	Continuous Tuning of AuCu ₂ O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie</i> , 2020 , 132, 22430-22435	3.6	4
36	Continuous Tuning of Au-Cu O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22246-22251	16.4	30
35	Catalysts in electro-, photo- and photoelectrocatalytic CO ₂ reduction reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019 , 40, 117-149	16.4	49
34	Ag nanoframes: controllable reduction of AgClBr nanocubes. <i>Chemical Communications</i> , 2019 , 55, 5571-5574	5.74	7
33	Gold nanospirals on colloidal gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 304-310	9.10	3
32	Facile synthesis of ultrathin PtPd nanosheets for enhanced formic acid oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18846-18851	13	52
31	Solution synthesis of helical gold nanowire bundles. <i>Nanoscale</i> , 2019 , 11, 19729-19735	7.7	2
30	Twisting Ultrathin Au Nanowires into Double Helices. <i>Small</i> , 2018 , 14, e1801925	11	13
29	Assembly of Ultrathin Gold Nanowires: From Polymer Analogue to Colloidal Block. <i>ACS Nano</i> , 2017 , 11, 2756-2763	16.7	19
28	Spirals and helices by asymmetric active surface growth. <i>Nanoscale</i> , 2017 , 9, 18352-18358	7.7	4
27	Effect of Thiolated Ligands in Au Nanowire Synthesis. <i>Small</i> , 2017 , 13, 1702121	11	9
26	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. <i>Chemical Science</i> , 2017 , 8, 430-436	9.4	33

25	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	3.6	33
24	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	16.4	152
23	Innenstruktur: Synthesis of Highly Uniform Molybdenum-Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithium-Ion Batteries (Angew. Chem. 26/2016). <i>Angewandte Chemie</i> , 2016 , 128, 7675-7675	3.6	2
22	Exploiting Rayleigh Instability in Creating Parallel Au Nanowires with Exotic Arrangements. <i>Small</i> , 2016 , 12, 930-8	11	15
21	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, 7423-6	16.4	251
20	Synthesis of Highly Uniform Molybdenum-Glycerate Spheres and Their Conversion into Hierarchical MoS ₂ Hollow Nanospheres for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 7549-7552	3.6	28
19	Substrate-bound growth of Au-Pd diblock nanowire and hybrid nanorod-plate. <i>Nanoscale</i> , 2015 , 7, 8115-21	2.7	8
18	Achieving Site-Specificity in Multistep Colloidal Synthesis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7624-7	16.4	66
17	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, 7395-8	16.4	548
16	Thermodynamics versus kinetics in nanosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2022-51	16.4	314
15	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	1.6	
14	Ultrathin MoS ₂ Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie</i> , 2015 , 127, 7503-7506	3.6	86
13	Thermodynamik und Kinetik in der Nanosynthese. <i>Angewandte Chemie</i> , 2015 , 127, 2046-2079	3.6	28
12	Strategy for nano-catalysis in a fixed-bed system. <i>Advanced Materials</i> , 2014 , 26, 4151-5	24	79
11	Emerging chirality in nanoscience. <i>Chemical Society Reviews</i> , 2013 , 42, 2930-62	58.5	391
10	Forest of gold nanowires: a new type of nanocrystal growth. <i>ACS Nano</i> , 2013 , 7, 2733-40	16.7	105
9	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. <i>Angewandte Chemie</i> , 2013 , 125, 6135-6139	3.6	4
8	Preservation of lattice orientation in coalescing imperfectly aligned gold nanowires by a zipper mechanism. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6019-23	16.4	34

7	Developing mutually encapsulating materials for versatile syntheses of multilayer metal-silica-polymer hybrid nanostructures. <i>Small</i> , 2012 , 8, 1857-62	11	19
6	Chiral transformation: from single nanowire to double helix. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20060-3	16.4	87
5	Triple-Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <i>Angewandte Chemie</i> , 2011 , 123, 10072-10076	3.6	7
4	Triple-layer (au@perylene)@polyaniline nanocomposite: unconventional growth of faceted organic nanocrystals on polycrystalline Au. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9898-902	16.4	55
3	One-step synthesis of composite vesicles: Direct polymerization and in situ over-oxidation of thiophene. <i>Chemical Science</i> , 2011 , 2, 2109	9.4	115
2	Mechanical nanosprings: induced coiling and uncoiling of ultrathin Au nanowires. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11920-2	16.4	92
1	Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfide-Mediated Growth. <i>Small Structures</i> , 2200014	8.7	