

# Yawen Wang

## List of Publications by Citations

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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	Ultrathin MoS <sub>2</sub> Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7395-8	16.4	548
41	Emerging chirality in nanoscience. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 2930-62	58.5	391
40	Thermodynamics versus kinetics in nanosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2022-51	16.4	314
39	Synthesis of Highly Uniform Molybdenum-Glycerate Spheres and Their Conversion into Hierarchical MoS <sub>2</sub> Hollow Nanospheres for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7423-6	16.4	251
38	Formation of Triple-Shelled Molybdenum-Polydopamine Hollow Spheres and Their Conversion into MoO <sub>3</sub> /Carbon Composite Hollow Spheres for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14668-14672	16.4	152
37	One-step synthesis of composite vesicles: Direct polymerization and in situ over-oxidation of thiophene. <i>Chemical Science</i> , <b>2011</b> , 2, 2109	9.4	115
36	Forest of gold nanowires: a new type of nanocrystal growth. <i>ACS Nano</i> , <b>2013</b> , 7, 2733-40	16.7	105
35	Mechanical nanosprings: induced coiling and uncoiling of ultrathin Au nanowires. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 11920-2	16.4	92
34	Chiral transformation: from single nanowire to double helix. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20060-3	16.4	87
33	Ultrathin MoS <sub>2</sub> Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7503-7506	3.6	86
32	Strategy for nano-catalysis in a fixed-bed system. <i>Advanced Materials</i> , <b>2014</b> , 26, 4151-5	24	79
31	Achieving Site-Specificity in Multistep Colloidal Synthesis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7624-7	16.4	66
30	Triple-layer (Au@Perylene) <sub>n</sub> @polyaniline nanocomposite: unconventional growth of faceted organic nanocrystals on polycrystalline Au. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9898-902	16.4	55
29	Facile synthesis of ultrathin PtPd nanosheets for enhanced formic acid oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18846-18851	13	52
28	Catalysts in electro-, photo- and photoelectrocatalytic CO <sub>2</sub> reduction reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2019</b> , 40, 117-149	16.4	49
27	Preservation of lattice orientation in coalescing imperfectly aligned gold nanowires by a zipper mechanism. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6019-23	16.4	34
26	Formation of Triple-Shelled Molybdenum-Polydopamine Hollow Spheres and Their Conversion into MoO <sub>3</sub> /Carbon Composite Hollow Spheres for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14888-14892	3.6	33

25	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. <i>Chemical Science</i> , <b>2017</b> , 8, 430-436	9.4	33
24	Continuous Tuning of Au-Cu O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 22246-22251	16.4	30
23	Thermodynamik und Kinetik in der Nanosynthese. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2046-2079	3.6	28
22	Synthesis of Highly Uniform Molybdenum Glycerate Spheres and Their Conversion into Hierarchical MoS <sub>2</sub> Hollow Nanospheres for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 7549-7552	3.6	28
21	Assembly of Ultrathin Gold Nanowires: From Polymer Analogue to Colloidal Block. <i>ACS Nano</i> , <b>2017</b> , 11, 2756-2763	16.7	19
20	Developing mutually encapsulating materials for versatile syntheses of multilayer metal-silica-polymer hybrid nanostructures. <i>Small</i> , <b>2012</b> , 8, 1857-62	11	19
19	Exploiting Rayleigh Instability in Creating Parallel Au Nanowires with Exotic Arrangements. <i>Small</i> , <b>2016</b> , 12, 930-8	11	15
18	Direct Synthesis of Ultrathin Pt Nanowire Arrays as Catalysts for Methanol Oxidation. <i>Small</i> , <b>2020</b> , 16, e2001135	11	14
17	Twisting Ultrathin Au Nanowires into Double Helices. <i>Small</i> , <b>2018</b> , 14, e1801925	11	13
16	Effect of Thiolated Ligands in Au Nanowire Synthesis. <i>Small</i> , <b>2017</b> , 13, 1702121	11	9
15	Substrate-bound growth of Au-Pd diblock nanowire and hybrid nanorod-plate. <i>Nanoscale</i> , <b>2015</b> , 7, 8115-21	7.7	8
14	Ag nanoframes: controllable reduction of AgClBr nanocubes. <i>Chemical Communications</i> , <b>2019</b> , 55, 5571-5574	5.74	7
13	Triple-Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 10072-10076	3.6	7
12	Braiding Ultrathin Au Nanowires into Ropes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10629-10633	10.33	5
11	Spirals and helices by asymmetric active surface growth. <i>Nanoscale</i> , <b>2017</b> , 9, 18352-18358	7.7	4
10	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6135-6139	3.6	4
9	Continuous Tuning of Au-Cu <sub>2</sub> O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22430-22435	3.6	4
8	Template-less Synthesis of Coded Au Nanowires. <i>Nano Letters</i> , <b>2021</b> , 21, 1156-1160	11.5	4

- 7 Gold nanospirals on colloidal gold nanoparticles. *Journal of Colloid and Interface Science*, **2019**, 533, 304-310 3
- 6 Innenrücktitelbild: Synthesis of Highly Uniform Molybdenum Glycerate Spheres and Their Conversion into Hierarchical MoS<sub>2</sub> Hollow Nanospheres for Lithium-Ion Batteries (Angew. Chem. 26/2016). *Angewandte Chemie*, **2016**, 128, 7675-7675 3.6 2
- 5 Solution synthesis of helical gold nanowire bundles. *Nanoscale*, **2019**, 11, 19729-19735 7.7 2
- 4 Facile Synthesis of Pd and PdPtNi Trimetallic Nanosheets as Enhanced Oxygen Reduction Electrocatalysts. *Small*, **2021**, e2103665 11 2
- 3 From flat to deep concave: an unusual mode of facet control.. *Chemical Communications*, **2022**, 58, 6128-6131 6.831 0
- 2 Using Polystyrene-block-poly(acrylic acid)-coated Metal Nanoparticles as Monomers for Their Homo- and Co-polymerization. *Journal of Visualized Experiments*, **2015**, e52954 1.6
- 1 Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfide-Mediated Growth. *Small Structures*, 2200014 8.7