

# Yanfang Song

## List of Publications by Year in descending order

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39  
papers

5,847  
citations

236925

25  
h-index

302126

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

8380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical capacitors: mechanism, materials, systems, characterization and applications. <i>Chemical Society Reviews</i> , 2016, 45, 5925-5950.	38.1	2,969
2	Flexible and Wireâ€šShaped Microâ€šSupercapacitor Based on Ni(OH) <sub>2</sub> â€šNanowire and Ordered Mesoporous Carbon Electrodes. <i>Advanced Functional Materials</i> , 2014, 24, 3405-3412.	14.9	304
3	Metalâ€šFree Nitrogenâ€šDoped Mesoporous Carbon for Electroreduction of CO <sub>2</sub> to Ethanol. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10840-10844.	13.8	289
4	Exclusive Formation of Formic Acid from CO <sub>2</sub> Electroreduction by a Tunable Pdâ€šSn Alloy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12219-12223.	13.8	264
5	Oxygen-Rich Hierarchical Porous Carbon Derived from Artemia Cyst Shells with Superior Electrochemical Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1132-1139.	8.0	257
6	Carbon Dots/NiCo <sub>2</sub> O <sub>4</sub> Nanocomposites with Various Morphologies for High Performance Supercapacitors. <i>Small</i> , 2016, 12, 5927-5934.	10.0	190
7	Supercapacitor electrode of hollow spherical V <sub>2</sub> O <sub>5</sub> with a high pseudocapacitance in aqueous solution. <i>Electrochimica Acta</i> , 2013, 105, 489-495.	5.2	156
8	Nitrogen-Doped Graphene Nanoribbons as Efficient Metal-Free Electrocatalysts for Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4214-4222.	8.0	156
9	In-situ synthesis of graphene/nitrogen-doped ordered mesoporous carbon nanosheet for supercapacitor application. <i>Carbon</i> , 2016, 96, 955-964.	10.3	141
10	Hydrothermal synthesis of ordered mesoporous carbons from a biomass-derived precursor for electrochemical capacitors. <i>Nanoscale</i> , 2014, 6, 14657-14661.	5.6	98
11	Exclusive Formation of Formic Acid from CO <sub>2</sub> Electroreduction by a Tunable Pdâ€šSn Alloy. <i>Angewandte Chemie</i> , 2017, 129, 12387-12391.	2.0	92
12	Synthesis of hierarchically porous carbon spheres with yolk-shell structure for high performance supercapacitors. <i>Catalysis Today</i> , 2015, 243, 199-208.	4.4	89
13	A hierarchical structure of carbon-coated Li <sub>3</sub> VO <sub>4</sub> nanoparticles embedded in expanded graphite for high performance lithium ion battery. <i>Journal of Power Sources</i> , 2016, 303, 333-339.	7.8	77
14	Graphene/silk fibroin based carbon nanocomposites for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 773-781.	10.3	74
15	Metalâ€šFree Nitrogenâ€šDoped Mesoporous Carbon for Electroreduction of CO <sub>2</sub> to Ethanol. <i>Angewandte Chemie</i> , 2017, 129, 10980-10984.	2.0	69
16	Ordered hierarchical mesoporous/microporous carbon with optimized pore structure for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1192-1200.	10.3	67
17	Nitrogenâ€šDoped Ordered Mesoporous Carbon with a High Surface Area, Synthesized through Organicâ€šInorganic Coassembly, and Its Application in Supercapacitors. <i>ChemPhysChem</i> , 2014, 15, 2084-2093.	2.1	56
18	Promotion of CO <sub>2</sub> Electrochemical Reduction via Cu Nanodendrites. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11562-11569.	8.0	54

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19	Recent progress in the photocatalytic reduction of aqueous carbon dioxide. <i>Catalysis Today</i> , 2018, 311, 23-39.	4.4	47
20	Enhanced Ethanol Production from CO <sub>2</sub> Electroreduction at Micropores in Nitrogen-Doped Mesoporous Carbon. <i>ChemSusChem</i> , 2020, 13, 293-297.	6.8	44
21	Hierarchical micro/nanostructured silver hollow fiber boosts electroreduction of carbon dioxide. <i>Nature Communications</i> , 2022, 13, .	12.8	43
22	Preparation of nitrogen-containing mesoporous carbons and their application in supercapacitors. <i>New Journal of Chemistry</i> , 2013, 37, 1768.	2.8	31
23	A Nitrogen-doped Hierarchical Mesoporous/Microporous Carbon for Supercapacitors. <i>Electrochimica Acta</i> , 2014, 146, 485-494.	5.2	31
24	Frontiers of CO <sub>2</sub> Capture and Utilization (CCU) towards Carbon Neutrality. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1252-1270.	4.3	30
25	A Multifunction Lithium-Carbon Battery System Using a Dual Electrolyte. <i>ACS Energy Letters</i> , 2017, 2, 36-44.	17.4	28
26	Nickel-copper oxide nanowires for highly sensitive sensing of glucose. <i>Applied Surface Science</i> , 2017, 420, 927-934.	6.1	27
27	Advances in Clean Fuel Ethanol Production from Electro-, Photo- and Photoelectro-Catalytic CO <sub>2</sub> Reduction. <i>Catalysts</i> , 2020, 10, 1287.	3.5	25
28	In-Situ Confined Growth of Monodisperse Pt Nanoparticle@Graphene Nanobox Composites as Electrocatalytic Nanoreactors. <i>Small</i> , 2015, 11, 1003-1010.	10.0	24
29	Evoked Methane Photocatalytic Conversion to C <sub>2</sub> Oxygenates over Ceria with Oxygen Vacancy. <i>Catalysts</i> , 2020, 10, 196.	3.5	24
30	Efficient methane electrocatalytic conversion over a Ni-based hollow fiber electrode. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1067-1072.	14.0	23
31	Induced CO <sub>2</sub> Electroreduction to Formic Acid on Metal-Organic Frameworks via Node Doping. <i>ChemSusChem</i> , 2020, 13, 4035-4040.	6.8	22
32	Oxygenates from the Electrochemical Reduction of Carbon Dioxide. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1992-2008.	3.3	11
33	Gas-phase CO <sub>2</sub> electroreduction over Sn-Cu hollow fibers. <i>Materials Advances</i> , 2021, 2, 241-247.	5.4	8
34	Solar driven efficient direct conversion of methane to multicarbon oxygenates. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7856-7868.	10.3	7
35	Investigating the Effect of the Initial Valence States of Copper on CO <sub>2</sub> Electroreduction. <i>ChemElectroChem</i> , 2021, 8, 3366-3370.	3.4	5
36	Ba-Cu-Zn-Gasdiffusionselektroden für die elektrokatalytische CO <sub>2</sub> -Reduktion zu C <sub>2</sub> + Produkten bei hohen Stromdichten. <i>Angewandte Chemie</i> , 2021, 133, 9217-9224.	2.0	4

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37	Ein MOF-basierter Cu <sub>x</sub> O <sub>y</sub> C <sub>z</sub> -Katalysator für die elektrochemische CO <sub>2</sub> -Reduktion und die Auswirkungen der lokalen pH-Änderung. <i>Angewandte Chemie</i> , 2021, 133, 23616-23624.	2.0	4
38	Insight into Composition and Intermediate Evolutions of Copper-Based Catalysts during Gas-Phase CO <sub>2</sub> Electroreduction to Multicarbon Oxygenates. <i>Catalysts</i> , 2021, 11, 1502.	3.5	4
39	Preparation and Capacitance of Copper-Doped Activated Carbon From Polyacrylonitrile (PAN) Precursor. <i>Acta Chimica Sinica</i> , 2014, 72, 927.	1.4	0