

List of Publications by Year in descending order

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papers

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citations

117453

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13715
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis and definitive structural identification of MN ₄ C ₄ single-atom catalysts with tunable electrocatalytic activities. <i>Nature Catalysis</i> , 2018, 1, 63-72.	16.1	1,476
2	Atomic cobalt on nitrogen-doped graphene for hydrogen generation. <i>Nature Communications</i> , 2015, 6, 8668.	5.8	1,356
3	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage. <i>Science</i> , 2017, 356, 599-604.	6.0	1,229
4	Edge-Oriented MoS ₂ Nanoporous Films as Flexible Electrodes for Hydrogen Evolution Reactions and Supercapacitor Devices. <i>Advanced Materials</i> , 2014, 26, 8163-8168.	11.1	552
5	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 495-503.	16.1	464
6	Porous Cobalt-Based Thin Film as a Bifunctional Catalyst for Hydrogen Generation and Oxygen Generation. <i>Advanced Materials</i> , 2015, 27, 3175-3180.	11.1	460
7	Single atom electrocatalysts supported on graphene or graphene-like carbons. <i>Chemical Society Reviews</i> , 2019, 48, 5207-5241.	18.7	441
8	High-Performance Pseudocapacitive Microsupercapacitors from Laser-Induced Graphene. <i>Advanced Materials</i> , 2016, 28, 838-845.	11.1	439
9	Single-Atomic Ruthenium Catalytic Sites on Nitrogen-Doped Graphene for Oxygen Reduction Reaction in Acidic Medium. <i>ACS Nano</i> , 2017, 11, 6930-6941.	7.3	435
10	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	6.0	429
11	Efficient Electrocatalytic Oxygen Evolution on Amorphous Nickel-Cobalt Binary Oxide Nanoporous Layers. <i>ACS Nano</i> , 2014, 8, 9518-9523.	7.3	359
12	Microwave-Assisted Rapid Synthesis of Graphene-Supported Single Atomic Metals. <i>Advanced Materials</i> , 2018, 30, e1802146.	11.1	244
13	Cobalt Nanoparticles Embedded in Nitrogen-Doped Carbon for the Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8083-8087.	4.0	180
14	Nanocomposite of Polyaniline Nanorods Grown on Graphene Nanoribbons for Highly Capacitive Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6622-6627.	4.0	171
15	Hydrothermally Formed Three-Dimensional Nanoporous Ni(OH) ₂ Thin-Film Supercapacitors. <i>ACS Nano</i> , 2014, 8, 9622-9628.	7.3	148
16	Enhanced Cycling Stability of Lithium-Ion Batteries Using Graphene-Wrapped Fe ₃ O ₄ -Graphene Nanoribbons as Anode Materials. <i>Advanced Energy Materials</i> , 2015, 5, 1500171.	10.2	133
17	Flexible Nanoporous WO ₃ Nonvolatile Memory Device. <i>ACS Nano</i> , 2016, 10, 7598-7603.	7.3	114
18	Vertically Aligned WS ₂ Nanosheets for Water Splitting. <i>Advanced Functional Materials</i> , 2015, 25, 6199-6204.	7.8	108

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19	Asphalt-Derived High Surface Area Activated Porous Carbons for Carbon Dioxide Capture. ACS Applied Materials & Interfaces, 2015, 7, 1376-1382.	4.0	108
20	Nitrogen-doped carbonized cotton for highly flexible supercapacitors. Carbon, 2016, 105, 260-267.	5.4	108
21	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. ACS Applied Materials & Interfaces, 2017, 9, 26840-26847.	4.0	103
22	Low-Cordinated Co ₂ Ni ₂ C on Oxygenated Graphene for Efficient Electrocatalytic H ₂ O ₂ Production. Advanced Functional Materials, 2022, 32, 2106886.	7.8	97
23	Bacteria-Derived Biological Carbon Building Robust Li-S Batteries. Nano Letters, 2019, 19, 4384-4390.	4.5	95
24	Biochar as a renewable source for high-performance CO ₂ sorbent. Carbon, 2016, 107, 344-351.	5.4	94
25	Constructing a Graphene-Encapsulated Amorphous/Crystalline Heterophase NiFe Alloy by Microwave Thermal Shock for Boosting the Oxygen Evolution Reaction. ACS Catalysis, 2021, 11, 12284-12292.	5.5	93
26	Edge-hosted Fe-N ₃ sites on a multiscale porous carbon framework combining high intrinsic activity with efficient mass transport for oxygen reduction. Chem Catalysis, 2021, 1, 1291-1307.	2.9	86
27	Enhanced Cycling Stability of Lithium Sulfur Batteries Using Sulfur-Polyaniline-Graphene Nanoribbon Composite Cathodes. ACS Applied Materials & Interfaces, 2014, 6, 15033-15039.	4.0	80
28	Design of Aligned Porous Carbon Films with Single-Atom Co-N-C Sites for High-Current-Density Hydrogen Generation. Advanced Materials, 2021, 33, e2103533.	11.1	76
29	A Silicon Monoxide Lithium-Ion Battery Anode with Ultrahigh Areal Capacity. Nano-Micro Letters, 2022, 14, 50.	14.4	59
30	Three-Dimensional Thin Film for Lithium-Ion Batteries and Supercapacitors. ACS Nano, 2014, 8, 7279-7287.	7.3	50
31	Electronic Structure Regulation of Single-Atom Catalysts for Electrochemical Oxygen Reduction to H ₂ O ₂ . Small, 2022, 18, e2103824.	5.2	49
32	LiFePO ₄ nanoparticles encapsulated in graphene nanoshells for high-performance lithium-ion battery cathodes. Chemical Communications, 2014, 50, 7117.	2.2	47
33	Iodine-Doping-Induced Electronic Structure Tuning of Atomic Cobalt for Enhanced Hydrogen Evolution Electrocatalysis. ACS Nano, 2021, 15, 18125-18134.	7.3	40
34	Carbon-Free Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2015, 7, 20607-20611.	4.0	39
35	Engineering the Morphology and Microenvironment of a Graphene-Supported Co-N Single-Atom Electrocatalyst for Enhanced Hydrogen Evolution. Small, 2022, 18, e2201139.	5.2	36
36	Germanium on seamless graphene carbon nanotube hybrids for lithium ion anodes. Carbon, 2017, 123, 433-439.	5.4	35

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37	Ultrafast Joule heating synthesis of hierarchically porous graphene-based Co-N-C single-atom monoliths. Nano Research, 2022, 15, 3913-3919.	5.8	20
38	Ultrafast synthetic strategies under extreme heating conditions toward single-atom catalysts. International Journal of Extreme Manufacturing, 2022, 4, 032003.	6.3	13