

Hua Cheng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3667391/hua-cheng-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

1,028
citations

17
h-index

31
g-index

38
ext. papers

1,223
ext. citations

6.3
avg, IF

4.26
L-index

#	Paper	IF	Citations
36	Co and N co-modified carbon nanotubes as efficient electrocatalyst for oxygen reduction reaction. <i>Rare Metals</i> , 2021 , 40, 90-95	5.5	12
35	An all-in-one supercapacitor working at sub-zero temperatures. <i>Science China Materials</i> , 2020 , 63, 660-666	11	12
34	Flexible Membrane Consisting of MoP Ultrafine Nanoparticles Highly Distributed Inside N and P Codoped Carbon Nanofibers as High-Performance Anode for Potassium-Ion Batteries. <i>Small</i> , 2020 , 16, e1905301	11	51
33	Selective edge etching to improve the rate capability of Prussian blue analogues for sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1361-1366	6.8	7
32	WS ₂ Nanosheets with Highly-Enhanced Electrochemical Activity by Facile Control of Sulfur Vacancies. <i>ChemCatChem</i> , 2019 , 11, 2667-2675	5.2	36
31	Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12068-12074	13	77
30	Cobalt-Vanadium Hydroxide Nanoneedles with a Free-Standing Structure as High-Performance Oxygen Evolution Reaction Electrocatalysts. <i>ChemElectroChem</i> , 2019 , 6, 2050-2055	4.3	19
29	Facile synthesis of hierarchically structured manganese oxides as anode for lithium-ion batteries. <i>Journal of Central South University</i> , 2019 , 26, 1481-1492	2.1	15
28	Hydrothermal synthesis and energy storage performance of ultrafine Ce ₂ Sn ₂ O ₇ nanocubes. <i>Journal of Central South University</i> , 2019 , 26, 1416-1425	2.1	9
27	One-Pot Synthesis of Co-Doped VSe ₂ Nanosheets for Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 644-653	6.1	41
26	Hierarchical Ultrafine Ni ₃ V ₂ O ₈ Nanoparticles Anchored on rGO as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Energy Technology</i> , 2019 , 7, 1800784	3.5	6
25	Rapid microwave-assisted refluxing synthesis of hierarchical mulberry-shaped Na ₃ V ₂ (PO ₄) ₂ O ₂ F@C as high performance cathode for sodium & lithium-ion batteries. <i>Science China Materials</i> , 2019 , 62, 474-486	7.1	18
24	SnS/SnSb@C Nanofibers with Enhanced Cycling Stability via Vulcanization as an Anode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1098-1104	4.3	18
23	Ultrafine NaTi(PO) Nanoparticles Encapsulated in N-CNFs as Ultra-Stable Electrode for Sodium Storage. <i>Frontiers in Chemistry</i> , 2018 , 6, 270	5	8
22	Encapsulated MnO in N-doping carbon nanofibers as efficient ORR electrocatalysts. <i>Science China Materials</i> , 2017 , 60, 937-946	7.1	22
21	Efficient coupling of a hierarchical V ₂ O ₅ @Ni ₃ S ₂ hybrid nanoarray for pseudocapacitors and hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17954-17962	13	61
20	Si Wire Supported MnO/Al/Fluorocarbon 3D Core/Shell Nanoenergetic Arrays with Long-Term Storage Stability. <i>Scientific Reports</i> , 2017 , 7, 6678	4.9	7

19	Bimetallic organic frameworks derived CuNi/carbon nanocomposites as efficient electrocatalysts for oxygen reduction reaction. <i>Science China Materials</i> , 2017 , 60, 654-663	7.1	93
18	Facile one-pot fabrication of β -Fe ₂ O ₃ nano-coffee beans by etching along [001] direction for high lithium storage. <i>Science China Materials</i> , 2017 , 60, 1187-1195	7.1	4
17	Understanding and suppressing side reactions in Li-air batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2495-2510	7.8	46
16	Facile electrodeposition of 3D concentration-gradient Ni-Co hydroxide nanostructures on nickel foam as high performance electrodes for asymmetric supercapacitors. <i>Nano Research</i> , 2015 , 8, 2744-2754	10	80
15	One-pot scalable synthesis of Cu ₂ Fe ₂ O ₄ /graphene composites as anode materials for lithium-ion batteries with enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13892	13	44
14	Electrochemical Fabrication of Coaxial Wavy-Channel Ni ₃ (OH) ₂ (OH)/Ni Nanocomposites for High-Performance Supercapacitor Electrode Materials. <i>Energy Technology</i> , 2013 , 1, 478-483	3.5	5
13	TiO ₂ Nanotubes: Selective Removal of the Outer Shells of Anodic TiO ₂ Nanotubes (Small 1/2013). <i>Small</i> , 2013 , 9, 36-36	11	2
12	Evaporation-induced synthesis of carbon-supported Fe ₃ O ₄ nanocomposites as anode material for lithium-ion batteries. <i>CrystEngComm</i> , 2013 , 15, 1324	3.3	38
11	Selective electrodeposition of Ni into the intertubular voids of anodic TiO ₂ nanotubes for improved photocatalytic properties. <i>Journal of Materials Research</i> , 2013 , 28, 405-410	2.5	16
10	Rugated porous Fe ₃ O ₄ thin films as stable binder-free anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22692		29
9	Sol-gel synthesis and photoluminescence characterization of La ₂ Ti ₂ O ₇ :Eu ³⁺ nanocrystals. <i>Rare Metals</i> , 2011 , 30, 602-606	5.5	16
8	Anodic TiO ₂ -based porous photonic films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 1389-1393	1.6	4
7	Gradient TiO ₂ nanotube arrays. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1812-1814		7
6	Photonic porous silicon-based hybrid particles by soft-lithography. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1754-1758		6
5	A facile method to improve the high rate capability of Co ₃ O ₄ nanowire array electrodes. <i>Nano Research</i> , 2010 , 3, 895-901	10	153
4	A general aqueous sol-gel route to Ln ₂ Sn ₂ O ₇ nanocrystals. <i>Nanotechnology</i> , 2008 , 19, 025706	3.4	37
3	Circular Plate-Based YBO ₃ :Eu ³⁺ Assemblies: Synthesis and Photoluminescence Properties. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 591-594	3.8	12
2	Synthesis and characterization of Cu-Cr-O nanocomposites. <i>Central South University</i> , 2007 , 14, 291-295		15

1 High-performance 2.5 V aqueous asymmetric supercapacitor based on MnO₂ nanowire/hierarchical porous carbon composite. *Materials Technology*, 1-9

2.1 1