

Han Xu

List of Publications by Year in descending order

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29
papers

4,070
citations

279798

23
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

5482
citing authors

#	ARTICLE	IF	CITATIONS
1	CoP Nanoparticle Confined in P, N Co-Doped Porous Carbon Anchored on P-Doped Carbonized Wood Fibers with Tailored Electronic Structure for Efficient Urea Electro-Oxidation. <i>Small</i> , 2022, 18, e2200950.	10.0	48
2	Constructing hollow nanorod arrays by nickel-cobalt phosphide nanosheets as high-performance electrocatalysts for urea-assisted energy-efficient hydrogen generation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129695.	4.7	5
3	Electronic structure modulation of nickel hydroxide porous nanowire arrays via manganese doping for urea-assisted energy-efficient hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 445-452.	9.4	24
4	Construction of NiS/Ni ₃ S ₄ heteronanorod arrays in graphitized carbonized wood frameworks as versatile catalysts for efficient urea-assisted water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 848-857.	9.4	21
5	Lignin-derived hierarchical porous carbon supported Pd nanoparticles as an efficient electrocatalyst for ethanol oxidation. <i>Journal of Porous Materials</i> , 2021, 28, 337-344.	2.6	5
6	A branch-like Mo-doped Ni ₃ S ₂ nanoforest as a high-efficiency and durable catalyst for overall urea electrolysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3418-3426.	10.3	93
7	MoO ₄ ²⁻ doped Ni-Fe-Se nanospheres electrodeposited on nickel foam as effective electrocatalysts for oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115501.	3.8	15
8	Configuring hierarchical Ni/NiO 3D-network assisted with bamboo cellulose nanofibers for high-performance Ni-Zn aqueous batteries. <i>Nanoscale</i> , 2020, 12, 14651-14660.	5.6	29
9	<i>In Situ</i> Growth of Porous Ultrathin Ni(OH) ₂ Nanostructures on Nickel Foam: An Efficient and Durable Catalysts for Urea Electrolysis. <i>ACS Applied Energy Materials</i> , 2020, 3, 2996-3004.	5.1	46
10	Effect of Ti content on microstructure and performance of carbon foam derived from mesophase pitch. <i>Journal of Porous Materials</i> , 2020, 27, 989-993.	2.6	3
11	Cr-Doped FeNi-P Nanoparticles Encapsulated into N-Doped Carbon Nanotube as a Robust Bifunctional Catalyst for Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2019, 31, e1900178.	21.0	246
12	Porous Microrod Arrays Constructed by Carbon-Confined NiCo@NiCo ₂ Core@Shell Nanoparticles as Efficient Electrocatalysts for Oxygen Evolution. <i>Advanced Materials</i> , 2018, 30, e1705442.	21.0	366
13	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2960-2964.	13.8	303
14	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. <i>Angewandte Chemie</i> , 2017, 129, 3006-3010.	2.0	37
15	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie</i> , 2017, 129, 8232-8236.	2.0	35
16	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8120-8124.	13.8	214
17	FeOOH/Co/FeOOH Hybrid Nanotube Arrays as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2016, 128, 3758-3762.	2.0	128
18	FeOOH/Co/FeOOH Hybrid Nanotube Arrays as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3694-3698.	13.8	611

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19	Design and Synthesis of FeOOH/CeO ₂ Heterolayered Nanotube Electrocatalysts for the Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 4698-4703.	21.0	592
20	Ni ₂ P-CoP hybrid nanosheet arrays supported on carbon cloth as an efficient flexible cathode for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16992-16999.	10.3	148
21	NiCoFe Layered Triple Hydroxides with Porous Structures as High-Performance Electrocatalysts for Overall Water Splitting. <i>ACS Energy Letters</i> , 2016, 1, 445-453.	17.4	361
22	Enhanced Catalytic Activity and Stability of Pt/CeO ₂ /PANI Hybrid Hollow Nanorod Arrays for Methanol Electro-oxidation. <i>ACS Catalysis</i> , 2016, 6, 5198-5206.	11.2	140
23	Co(OH) ₂ @PANI Hybrid Nanosheets with 3D Networks as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2015, 27, 7051-7057.	21.0	294
24	High-performance supercapacitors based on MnO ₂ tube-in-tube arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16560-16566.	10.3	67
25	Multi-layered Pt/Ni nanotube arrays with enhanced catalytic performance for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23201-23206.	10.3	46
26	Pt/Ni(OH) ₂ -NiOOH/Pd multi-walled hollow nanorod arrays as superior electrocatalysts for formic acid electrooxidation. <i>Chemical Science</i> , 2015, 6, 6991-6998.	7.4	55
27	Co(OH) ₂ /RGO/NiO sandwich-structured nanotube arrays with special surface and synergistic effects as high-performance positive electrodes for asymmetric supercapacitors. <i>Nanoscale</i> , 2015, 7, 16932-16942.	5.6	28
28	Porous Hollow Nanorod Arrays Composed of Alternating Pt and Pd Nanocrystals with Superior Electrocatalytic Activity and Durability for Methanol Oxidation. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400005.	3.7	29
29	High-performance polypyrrole functionalized PtPd electrocatalysts based on PtPd/PPy/PtPd three-layered nanotube arrays for the electrooxidation of small organic molecules. <i>NPG Asia Materials</i> , 2013, 5, e69-e69.	7.9	62