

Ni₃S₂/carbon nanotube nanocomposite as electrode material for glucose oxidation reaction in alkaline electrolyte and enzyme-free glucose sensing

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cobalt nanoparticles encapsulated in nitrogen-doped carbon as a bifunctional catalyst for water electrolysis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20067-20074.	5.2	231
2	Developments in nanoparticles for use in biosensors to assess food safety and quality. <i>Trends in Food Science and Technology</i> , 2014, 40, 183-199.	7.8	62
3	3D Ni ₃ S ₂ nanosheet arrays supported on Ni foam for high-performance supercapacitor and non-enzymatic glucose detection. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15111.	5.2	329
4	High-performance NiCo ₂ O ₄ @Ni ₃ S ₂ core/shell mesoporous nanothorn arrays on Ni foam for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17595-17601.	5.2	120
5	High Performance Non-enzymatic Glucose Sensor Based on One-Step Electrodeposited Nickel Sulfide. <i>Chemistry - A European Journal</i> , 2015, 21, 9355-9359.	1.7	85
6	Hierarchically Porous Ni ₃ S ₂ Nanorod Array Foam as Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction and Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , 2015, 174, 297-301.	2.6	316
7	Ni _{0.31} Co _{0.69} S ₂ nanoparticles uniformly anchored on a porous reduced graphene oxide framework for a high-performance non-enzymatic glucose sensor. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4922-4930.	5.2	60
8	CoP nanoparticles deposited on reduced graphene oxide sheets as an active electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5337-5343.	5.2	181
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13	Three-dimensionally ordered macro-/mesoporous Ni as a highly efficient electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11367-11375.	5.2	42
14	Facile fabrication of NiS and a reduced graphene oxide hybrid film for nonenzymatic detection of glucose. <i>RSC Advances</i> , 2015, 5, 44346-44352.	1.7	55
15	Modified multiwalled carbon nanotube/epoxy amperometric nanocomposite sensors with CuO nanoparticles for electrocatalytic detection of free chlorine. <i>Microchemical Journal</i> , 2015, 122, 189-196.	2.3	53
16	High-performance asymmetric supercapacitor based on Co ₉ S ₈ /3D graphene composite and graphene hydrogel. <i>Chemical Engineering Journal</i> , 2015, 279, 241-249.	6.6	75
17	The effect of structural dimensionality on the electrocatalytic properties of the nickel selenide phase. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23448-23459.	1.3	41
18	MoS ₂ quantum dot decorated RGO: a designed electrocatalyst with high active site density for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21772-21778.	5.2	127
19	Carbon nanotube based biosensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 690-715.	4.0	407

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20	Shape and phase evolution of nickel sulfide nano/microcrystallines via a facile way. <i>Journal of Alloys and Compounds</i> , 2015, 620, 42-47.	2.8	12
21	<i>In situ</i> Electrochemical Transformation of Ni ₃ S ₂ and Ni ₃ S ₂ @Ni from Sheets to Nanodisks: Towards Efficient Electrocatalysis for Hydrogen Evolution Reaction (HER). <i>ChemistrySelect</i> , 2016, 1, 6708-6712.	0.7	11
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26	Reaction of hydrogen evolution on Co [~] Mo (W) and Ni [~] Re electrolytic alloys in alkaline media. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 901-909.	0.3	6
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32	Î ² -NiS and Ni ₃ S ₄ nanostructures: Fabrication and characterization. <i>Materials Research Bulletin</i> , 2016, 75, 155-161.	2.7	60
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34	Synthesis of Ni ₃ S ₂ nanotube arrays on nickel foam by catalysis of thermal reduced graphene for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2017, 399, 769-774.	3.1	24
35	Catalytic Activity of Urchin-like Ni nanoparticles Prepared by Solvothermal Method for Hydrogen Evolution Reaction in Alkaline Solution. <i>Electrochimica Acta</i> , 2017, 227, 382-390.	2.6	29
36	Novel Ni ₃ S ₂ @NiOOH hybrid nanostructure supported on Ni foam as high-efficient electrocatalyst for hydrogen evolution reaction. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
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39	Facile electrochemical preparation of self-supported porous Ni-Mo alloy microsphere films as efficient bifunctional electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5797-5805.	5.2	119
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44	Facile electrodeposition of cauliflower-like S-doped nickel microsphere films as highly active catalysts for electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15056-15064.	5.2	45
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57	Cobalt disulfide nanosphere dispersed on multi-walled carbon nanotubes: an efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Ionics</i> , 2018, 24, 3591-3599.	1.2	14
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64	Highly efficient hydrogen evolution based on Ni ₃ S ₄ @MoS ₂ hybrids supported on N-doped reduced graphene oxide. <i>Applied Surface Science</i> , 2018, 428, 1046-1055.	3.1	18
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93	In-situ growth of graphene decorated Ni ₃ S ₂ pyramids on Ni foam for high-performance overall water splitting. <i>Applied Surface Science</i> , 2019, 465, 772-779.	3.1	39
94	In-situ electrochemical pretreatment of hierarchical Ni ₃ S ₂ -based electrocatalyst towards promoted hydrogen evolution reaction with low overpotential. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 282-290.	5.0	32
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108	Activated carbon with heteroatoms from organic salt for hydrogen evolution reaction. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110033.	2.2	14
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124	Stripping voltammetric determination of cadmium and lead ions based on a bismuth oxide surface-decorated nanoporous bismuth electrode. <i>Electrochemistry Communications</i> , 2022, 136, 107233.	2.3	17
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126	Se-NiSe ₂ hybrid nanosheet arrays with self-regulated elemental Se for efficient alkaline water splitting. <i>Journal of Materials Science and Technology</i> , 2022, 118, 136-143.	5.6	46
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132	Nickel sulfide and phosphide electrocatalysts for hydrogen evolution reaction: challenges and future perspectives. <i>RSC Advances</i> , 2022, 12, 29440-29468.	1.7	14
133	Realizing Favorable Synergism Toward Efficient Hydrogen Evolution Reaction with Heterojunction Engineered Cu ₇ S ₄ /CuS ₂ /NiS ₂ and Functionalized Carbon Sheet Heterostructures. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	1
134	Reduced nickel on cobalt sulphide with carbon supported (Ni-CoS/C) composite material as a low-cost and efficient electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2022, 435, 141437.	2.6	12
135	Ni ₃ S ₂ @MoS ₂ @Ni ₃ Si ₂ Seaweed-like Hybrid Structures <i>in situ</i> Grown on Ni Foam as Efficient Bifunctional Electrocatalysts. <i>ChemCatChem</i> , 2023, 15, .	1.8	3
136	Application of Nickel Foam in Electrochemical Systems: A Review. <i>Journal of Electronic Materials</i> , 2023, 52, 2264-2291.	1.0	5
137	One-step potentiostatic electrodeposition of Ni ²⁺ on sludge-based biochar and its application for a non-enzymatic glucose sensor. <i>RSC Advances</i> , 2023, 13, 5900-5907.	1.7	7
138	MoS ₂ /NiSe ₂ /rGO Multiple-Interfaced Sandwich-like Nanostructures as Efficient Electrocatalysts for Overall Water Splitting. <i>Nanomaterials</i> , 2023, 13, 752.	1.9	2