

Bin Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

302
citations

840776

11
h-index

839539

18
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19
all docs

19
docs citations

19
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel amperometric biosensor based on covalently attached multilayer assemblies of gold nanoparticles, diazo-resins and acetylcholinesterase for the detection of organophosphorus pesticides. <i>Talanta</i> , 2018, 183, 114-121.	5.5	44
2	A novel amperometric biosensor based on single walled carbon nanotubes with acetylcholine esterase for the detection of carbaryl pesticide in water. <i>Talanta</i> , 2010, 83, 269-273.	5.5	38
3	A novel acetylcholinesterase biosensor based on gold nanoparticles obtained by electroless plating on three-dimensional graphene for detecting organophosphorus pesticides in water and vegetable samples. <i>Analytical Methods</i> , 2019, 11, 2428-2434.	2.7	27
4	FeCoNiB@Boron-doped vertically aligned graphene arrays: A self-supported electrocatalyst for overall water splitting in a wide pH range. <i>Electrochimica Acta</i> , 2021, 386, 138459.	5.2	27
5	Tuning the composition of tri-metal iron based phosphides integrated on phosphorus-doped vertically aligned graphene arrays for enhanced electrocatalytic activity towards overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35559-35570.	7.1	19
6	Analysis of hydrazine on a Cu surface with nanoscale resolution using surface enhanced Raman spectroscopy. <i>Electrochimica Acta</i> , 2013, 100, 317-320.	5.2	18
7	Organophosphorus pesticides detection using acetylcholinesterase biosensor based on gold nanoparticles constructed by electroless plating on vertical nitrogen-doped single-walled carbon nanotubes. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 913-927.	3.3	18
8	Self-Supported Phosphorus-Doped Vertically Aligned Graphene Arrays Integrated with FeCoNiP Nanoparticles as Bifunctional Electrocatalysts for Water-Splitting Over a Wide pH Range. <i>Electronic Materials Letters</i> , 2021, 17, 87-101.	2.2	17
9	An Efficient Electrocatalyst Based on Vertically Aligned Heteroatom(B/N/P/O/S)-Doped Graphene Array Integrated with FeCoNiP Nanoparticles for Overall Water Splitting. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	17
10	Effect of Thiourea on Oxidation of Hypophosphite Ions on Ni Surface Investigated by Raman Spectroscopy and DFT Calculation. <i>Journal of the Electrochemical Society</i> , 2013, 160, D366-D371.	2.9	11
11	An Efficient Electrocatalyst by Electroless Cobalt-Nickel-Phosphorus Alloy Plating on Three-Dimensional Graphene for Hydrogen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2019, 166, D69-D76.	2.9	11
12	An Iron-Group Metal Boride/Boron-Doped Vertically Oriented Graphene as Efficient Catalyst for Overall Water Splitting in a Wide pH Range. <i>Journal of the Electrochemical Society</i> , 2020, 167, 122513.	2.9	10
13	Raman and DFT Study of the Reaction of Hydrazine and Hypophosphite on a Cu Surface in the Electroless Deposition Process. <i>Electrochemistry</i> , 2013, 81, 674-677.	1.4	9
14	Acetylcholinesterase Biosensor Based on Gold Nanoparticles/Nitrogen-Doped Vertically Oriented Reduced Graphene Oxide Prepared by Single-Step Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1088-B1096.	2.9	9
15	FeCo _{66.7} Ni _{33.3} B Nanoparticles Integrated on Vertically Aligned Boron-Doped Graphene Array as Efficient Electrocatalyst for Overall Water Splitting in Wide pH Range. <i>Journal of the Electrochemical Society</i> , 2021, 168, 062512.	2.9	8
16	FeCoNiP Alloy Nanoparticles Integrated on Vertically Aligned Phosphorus-doped Single-walled Carbon Nanotubes for Overall Water Splitting. <i>Journal of the Electrochemical Society</i> , 2020, 167, 102515.	2.9	6
17	Tuning the Cationic Ratio of Fe ₁ CoxNiyP Integrated on Vertically Aligned Reduced Graphene Oxide Array via Electroless Plating as Efficient Self-Supported Bifunctional Electrocatalyst for Water Splitting. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2022, 19, .	2.1	6
18	FeCoNiS Nanoparticles Integrated with Nitrogen-Doped Vertically Oriented Graphene via Single-Step Electrodeposition: An Efficient Bifunctional Catalyst for Overall Water Splitting. <i>Journal of the Electrochemical Society</i> , 2021, 168, 112503.	2.9	4

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19	One-step electrodeposition synthesis of FeCoNiP nanoparticles/Vertical P-doped graphene on Cu substrate as high-activity electrocatalyst for overall water splitting in a wide pH range. Functional Materials Letters, 2022, 15, .	1.2	3