

Graphdiyne Electrochemistry: Progress and Perspectives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rapid Synthesis of Graphdiyne Films on Hydrogel at the Superspreading Interface for Antibacteria. ACS Nano, 2022, 16, 11338-11345.	14.6	30
2	Optical and Thermoelectric Behavior of Phagraphene with Site-Specific N Co-Doping. Advanced Theory and Simulations, 2022, 5, .	2.8	3
3	Superior performance of a graphdiyne self-powered biosensor with exonuclease III-assisted signal amplification for sensitive detection of microRNAs. Analyst, The, 2022, 147, 4991-4999.	3.5	9
4	Recent Developments of Carbon-Based Anode Materials for Flexible Lithium-Ion Batteries. Crystals, 2022, 12, 1279.	2.2	10
5	Electrochemical Sensors Based on Metal-Porous Carbon Nanozymes for Dopamine, Uric Acid and Furazolidone. Chemosensors, 2022, 10, 458.	3.6	2
6	Advances of Carbon Materials for Dual-Carbon Lithium-Ion Capacitors: A Review. Nanomaterials, 2022, 12, 3954.	4.1	3
7	Negative thermal expansion behaviour of graphdiyne. Nano Today, 2023, 48, 101695.	11.9	4
8	Columnar Lithium Deposition Guided by Graphdiyne Nanowalls toward a Stable Lithium Metal Anode. ACS Applied Materials & Interfaces, 2022, 14, 55700-55708.	8.0	3
9	Carbon Nanomaterials-Based Electrochemical Sensors for Heavy Metal Detection. Critical Reviews in Analytical Chemistry, 0, , 1-20.	3.5	5
10	Red Emissive Carbon Dot Superoxide Dismutase Nanozyme for Bioimaging and Ameliorating Acute Lung Injury. Advanced Functional Materials, 2023, 33, .	14.9	49
11	A novel photoelectrochemical sensor based on three-dimensional rGO@Au-sensitized cauliflower-like CdS heterojunction for the effective and sensitive detection of copper (II) in pool water. Microchemical Journal, 2023, 190, 108643.	4.5	6
12	Covalent Organic Frameworks for Capacitive Energy Storage: Recent Progress and Technological Challenges. Advanced Materials Technologies, 2023, 8, .	5.8	7
13	Open-ended exploration of ultrashort pulse lasers: an innovative design strategy for devices based on 2D materials. Photonics Research, 2023, 11, 1238.	7.0	3
14	Construction of 2D-2D S-scheme heterojunction based graphdiyne ($g-C_3N_4$) coupling with highly crystalline nitrogen defect $g-C_3N_4$ for efficient photocatalytic overall water splitting. Separation and Purification Technology, 2023, 323, 124375.	7.9	9
15	Enhanced electrocatalytic activity of 2D ordered mesoporous nitrogen-rich carbon nanosheets functional NiFe ₂ O ₄ nanospheres for ultrasensitive detection of chlorogenic acid in natural samples. Chemical Engineering Journal, 2023, 468, 143815.	12.7	8
16	Recent Synthetic Methods towards Graphdiyne. ChemNanoMat, 2023, 9, .	2.8	2
17	Vibrational and structural dynamics of graphyne. International Reviews in Physical Chemistry, 2022, 41, 205-232.	2.3	0
18	One-step firmly anchor graphdiyne on NiCo-LDHs as supercapacitor electrode for considerable durability. Journal of Energy Storage, 2023, 72, 108299.	8.1	1

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19	Construction of a logic gate sensitive monitoring system of Graphdiyne/Poly(N,N-dimethylacrylamide) binary structure films for environmental pollutant phenylhydrazine. <i>Microchemical Journal</i> , 2023, 193, 109164.	4.5	0
20	A metal-organic framework regulated graphdiyne-based electrochemiluminescence sensor with a electrocatalytic self-acceleration effect for the detection of di-(2-ethylhexyl) phthalate. <i>Analyst</i> , The, 2023, 148, 4470-4478.	3.5	1
21	Advances of graphdiyne-supported metal catalysts in thermocatalytic reactions. <i>Nano Research</i> , 0, , .	10.4	0
22	First-principles simulation of X-ray spectra of graphdiyne and graphdiyne oxides at the carbon K-edge. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 32421-32429.	2.8	1
23	Review of Graphdiyne-Based Nanostructures and Their Applications. <i>ACS Applied Nano Materials</i> , 2023, 6, 20493-20522.	5.0	0
24	Graphdiyne and Nitrogen-Doped Graphdiyne Nanotubes as Highly Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>International Journal of Molecular Sciences</i> , 2023, 24, 16813.	4.1	0
25	Transition metals anchored on nitrogen-doped graphdiyne for an efficient oxygen reduction reaction: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2024, 26, 2449-2456.	2.8	1
26	Theoretic Study of Sulfur-Doped Graphdienes by X-ray Spectroscopy. <i>Inorganic Chemistry</i> , 2024, 63, 766-774.	4.0	0
27	Current Advances in the Synthesis, Properties, and Biomedical Applications of Two-Dimensional Graphdiyne: A Review. <i>ACS Applied Nano Materials</i> , 2024, 7, 2461-2493.	5.0	0
28	Corrosion Control by Carbon-Based Nanomaterials: A Review. <i>ACS Applied Nano Materials</i> , 2024, 7, 2515-2528.	5.0	1
29	Diamond Composite: A Strategy to Design and Explore Advanced Functional Materials. <i>Accounts of Materials Research</i> , 2024, 5, 295-306.	11.7	0
30	Accurate blood pressure detection enabled by graphdiyne piezoionic sensors with ultrafast out-plane ion transfer. <i>Carbon</i> , 2024, 222, 118956.	10.3	0
31	Graphdiyne/metal oxide hybrid materials for efficient energy and environmental catalysis. <i>Chemical Science</i> , 2024, 15, 5061-5081.	7.4	0
32	Preparation and Support Effect of Graphdiyne Nanotubes with Abundant Cu Quantum Dots. <i>Molecules</i> , 2024, 29, 1410.	3.8	0