Ning Wang

List of Publications by Year
in descending order

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44	3,314	201674	243625
papers	citations	27	44
		h-index	g-index

47	47	47	2608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in Research into 2D Graphdiyne-Based Materials. Chemical Reviews, 2018, 118, 7744-7803.	47.7	745
2	Hydrogen substituted graphdiyne as carbon-rich flexible electrode for lithium and sodium ion batteries. Nature Communications, 2017, 8, 1172.	12.8	357
3	Synthesis of Chlorineâ€Substituted Graphdiyne and Applications for Lithiumâ€Ion Storage. Angewandte Chemie - International Edition, 2017, 56, 10740-10745.	13.8	206
4	Nitrogen-Doped Porous Graphdiyne: A Highly Efficient Metal-Free Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 29744-29752.	8.0	166
5	Synthesis and Electronic Structure of Boronâ€Graphdiyne with an spâ€Hybridized Carbon Skeleton and Its Application in Sodium Storage. Angewandte Chemie - International Edition, 2018, 57, 3968-3973.	13.8	166
6	Fluoride graphdiyne as a free-standing electrode displaying ultra-stable and extraordinary high Li storage performance. Energy and Environmental Science, 2018, 11, 2893-2903.	30.8	146
7	Graphdiyneâ€Based Materials: Preparation and Application for Electrochemical Energy Storage. Advanced Materials, 2019, 31, e1803202.	21.0	136
8	Improved electron transport in MAPbI3 perovskite solar cells based on dual doping graphdiyne. Nano Energy, 2018, 46, 331-337.	16.0	135
9	Pyridinic nitrogen exclusively doped carbon materials as efficient oxygen reduction electrocatalysts for Zn-air batteries. Applied Catalysis B: Environmental, 2020, 261, 118234.	20.2	135
10	Preparation of 3D Architecture Graphdiyne Nanosheets for High-Performance Sodium-Ion Batteries and Capacitors. ACS Applied Materials & Interfaces, 2017, 9, 40604-40613.	8.0	91
11	Triazine-graphdiyne: A new nitrogen-carbonous material and its application as an advanced rechargeable battery anode. Carbon, 2018, 137, 442-450.	10.3	64
12	Graphdiyne-Doped P3CT-K as an Efficient Hole-Transport Layer for MAPbI₃ Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 2626-2631.	8.0	61
13	Tuning the Properties of Graphdiyne by Introducing Electronâ€Withdrawing/Donating Groups. Angewandte Chemie - International Edition, 2020, 59, 13542-13546.	13.8	59
14	In situ growth of graphdiyne on arbitrary substrates with a controlled-release method. Chemical Communications, 2018, 54, 6004-6007.	4.1	58
15	Construction of Largeâ€Area Uniform Graphdiyne Film for Highâ€Performance Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2018, 24, 1187-1192.	3.3	58
16	Enhanced paramagnetism of mesoscopic graphdiyne by doping with nitrogen. Scientific Reports, 2017, 7, 11535.	3.3	54
17	Preparation and structure study of phosphorus-doped porous graphdiyne and its efficient lithium storage application. 2D Materials, 2019, 6, 035020.	4.4	52
18	Robust Câ€“S bond integrated graphdiyne-MoS2 nanohybrids for enhanced lithium storage capability. Chemical Engineering Journal, 2019, 373, 660-667.	12.7	50

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19	A New Class of Conjugated Polymers Having Porphyrin, Poly(p-phenylenevinylene), and Fullerene Units for Efficient Electron Transfer. Macromolecules, 2006, 39, 5319-5325.	4.8	49
20	Nitrogenâ€Doped Graphdiyne as Highâ€capacity Electrode Materials for Both Lithiumâ€ion and Sodiumâ€ion Capacitors. ChemElectroChem, 2018, 5, 1435-1443.	3.4	46
21	Research on the Preparation of Graphdiyne and Its Derivatives. Chemistry - A European Journal, 2020, 26, 569-583.	3.3	42
22	Fluorineâ€Enriched Graphdiyne as an Efficient Anode in Lithiumâ€ion Capacitors. ChemSusChem, 2019, 12, 1342-1348.	6.8	40
23	Synthesis and Characterization of 3,5-Bis(2-hydroxyphenyl)-1,2,4-triazole Functionalized Tetraaryloxy Perylene Bisimide and Metal-Directed Self-Assembly. Journal of Organic Chemistry, 2005, 70, 9686-9692.	3.2	38
24	Induced Ferromagnetic Order of Graphdiyne Semiconductors by Introducing a Heteroatom. ACS Central Science, 2020, 6, 950-958.	11.3	38
25	Porous 3D Siliconâ€Diamondyne Blooms Excellent Storage and Diffusion Properties for Li, Na, and K Ions. Advanced Energy Materials, 2021, 11, 2101197.	19.5	35
26	Recovery of Au(III) from Acidic Chloride Media by Homogenous Liquidâ€“Liquid Extraction with UCST-Type Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 19975-19983.	6.7	29
27	Preparation of room-temperature ferromagnetic semiconductor based on graphdiyne-transition metal hybrid. 2D Materials, 2018, 5, 035039.	4.4	28
28	Designing the efficient lithium diffusion and storage channels based on graphdiyne. Carbon, 2020, 162, 579-585.	10.3	26
29	Controlled Growth and Selfâ€Assembly of Multiscale Organic Semiconductor. Advanced Materials, 2022, 34, e2102811.	21.0	24
30	Precise and controllable N/C ratio in graphdiyne for superior Li and Na ions storage capacities. 2D Materials, 2020, 7, 025032.	4.4	23
31	Tuning the Properties of Graphdiyne by Introducing Electronâ€Withdrawing/Donating Groups. Angewandte Chemie, 2020, 132, 13644-13648.	2.0	21
32	Acetylenic bond-driven efficient hydrogen production of a graphdiyne based catalyst. Materials Chemistry Frontiers, 2021, 5, 2247-2254.	5.9	21
33	Electrochemical Energy Storage: Graphdiyneâ€Based Materials: Preparation and Application for Electrochemical Energy Storage (Adv. Mater. 42/2019). Advanced Materials, 2019, 31, 1970300.	21.0	20
34	Oneâ€Step Preparation of Highly Durable Superhydrophobic Carbon Nanothorn Arrays. Small, 2020, 16, e1907013.	10.0	19
35	Facile Synthesis of Water-Soluble Rhodamine-Based Polymeric Chemosensors via Schiff Base Reaction for Fe3+ Detection and Living Cell Imaging. Frontiers in Chemistry, 2022, 10, 845627.	3.6	13
36	Encapsulation of Enzymes in Metalâ€“Phenolic Network Capsules for the Trigger of Intracellular Cascade Reactions. Langmuir, 2021, 37, 11292-11300.	3.5	12

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37	Vaccine Nanoparticles Derived from Mung Beans for Cancer Immunotherapy. Chemistry of Materials, 2021, 33, 4057-4066.	6.7	10
38	Self-adjuvanting photosensitizer nanoparticles for combination photodynamic immunotherapy. Biomaterials Science, 2021, 9, 6940-6949.	5.4	9
39	ESPâ€“ALIE Analysis as a Theoretical Tool for Identifying the Coordination Atoms of Possible Multisite Extractants: Validation and Prediction. ACS Sustainable Chemistry and Engineering, 2020, 8, 14353-14364.	6.7	7
40	Preparation of triphenyl-amine graphdiyne with concomitant assembled morphology and its application for lithium-ion storage. 2D Materials, 2021, 8, 044005.	4.4	7
41	Diffusion Kinetics Study of Lithium Ion in the Graphdiyne Based Electrode. Chemical Research in Chinese Universities, 2021, 37, 1289-1295.	2.6	6
42	Nitrogen substituted graphdiyne as electrode for high-performance lithium-ion batteries and capacitors. 2D Materials, 2021, 8, 044013.	4.4	5
43	Bimetallic metalâ€“organic frameworks for tumor inhibition via combined photothermal-immunotherapy. Chemical Communications, 2022, , .	4.1	4
44	Frontispiece: Research on the Preparation of Graphdiyne and Its Derivatives. Chemistry - A European Journal, 2020, 26, .	3.3	1