Yuliang Li

List of Publications by Year
in descending order

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318	29,466	3721 89	5519 163
papers	citations	h-index	g-index

333	333	333	18190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlled Growth Interface of Charge Transfer Salts of Nickel-7,7,8,8-Tetracyanoquinodimethane on Surface of Graphdiyne. CCS Chemistry, 2023, 5, 971-981.	4.6	47
2	Controlled Growth and Selfâ€Assembly of Multiscale Organic Semiconductor. Advanced Materials, 2022, 34, e2102811.	11.1	24
3	High-loading metal atoms on graphdiyne for efficient nitrogen fixation to ammonia. Journal of Materials Chemistry A, 2022, 10, 6073-6077.	5.2	18
4	Graphdiyneâ€Induced Iron Vacancy for Efficient Nitrogen Conversion. Advanced Science, 2022, 9, e2102721.	5.6	28
5	Controlling precise voids in the ion-selective carbon shell for zero-strain electrode. Energy Storage Materials, 2022, 45, 110-118.	9.5	8
6	Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	24
7	Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	124
8	Selfâ€Expanding Ionâ€Transport Channels on Anodes for Fastâ€Charging Lithiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	8
9	1D Nanowire Heterojunction Electrocatalysts of MnCo₂O₄/GDY for Efficient Overall Water Splitting. Advanced Functional Materials, 2022, 32, .	7.8	48
10	Selfâ€Expanding Ionâ€Transport Channels on Anodes for Fastâ€Charging Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, e202113313.	7.2	46
11	Highly Dispersed Platinum Chlorine Atoms Anchored on Gold Quantum Dots for a Highly Efficient Electrocatalyst. Journal of the American Chemical Society, 2022, 144, 1921-1928.	6.6	88
12	RÃ¼cktitelbild: Selfâ€Expanding Ionâ€Transport Channels on Anodes for Fastâ€Charging Lithiumâ€Ion Batteries (Angew. Chem. 7/2022). Angewandte Chemie, 2022, 134, .	1.6	3
13	Electronic structure modulation of metal-free graphdiyne for acidic oxygen evolution reaction. 2D Materials, 2022, 9, 014008.	2.0	3
14	Selectively Growing a Highly Active Interface of Mixed Nbâ€“Rh Oxide/2D Carbon for Electrocatalytic Hydrogen Production. Advanced Science, 2022, 9, e2104706.	5.6	15
15	Atomic alloys of nickel-platinum on carbon network for methanol oxidation. Nano Energy, 2022, 95, 106984.	8.2	31
16	Controlled Growth of Donorâ€“Bridgeâ€“Acceptor Interface for Highâ€Performance Ammonia Production. Small, 2022, 18, e2107136.	5.2	11
17	Controlled Growth of Singleâ€Crystal Pd Quantum Dots on 2D Carbon for Large Current Density Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	7.8	19
18	Uniform single atomic Cu1-C4 sites anchored in graphdiyne for hydroxylation of benzene to phenol. National Science Review, 2022, 9, .	4.6	22

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19	An integrated interfacial engineering for efficiently confining the asymmetric strain in scalable silicon anode. Journal of Power Sources, 2022, 524, 231086.	4.0	3
20	2D graphdiyne: an emerging carbon material. Chemical Society Reviews, 2022, 51, 2681-2709.	18.7	225
21	Large-scale CuS nanotube arrays@graphdiyne for high-performance sodium ion battery. 2D Materials, 2022, 9, 025024.	2.0	11
22	Graphdiyne oxide doping for aggregation control of hole-transport nanolayer in inverted perovskite solar cells. Nano Research, 2022, 15, 9734-9740.	5.8	8
23	Conversion of Interfacial Chemical Bonds for Inducing Efficient Photoelectrocatalytic Water Splitting. ACS Materials Au, 2022, 2, 321-329.	2.6	4
24	Highly Loaded Independent Pt⁰ Atoms on Graphdiyne for pHâ€General Methanol Oxidation Reaction. Advanced Science, 2022, 9, e2104991.	5.6	26
25	Highly selective and durable of monodispersed metal atoms in ammonia production. Nano Today, 2022, 43, 101431.	6.2	27
26	sp-carbon-enabled interface for high-performance graphite anode. Nano Today, 2022, 44, 101478.	6.2	13
27	Loading Nickel Atoms on GDY for Efficient CO2 Fixation and Conversion. Chemical Research in Chinese Universities, 2022, 38, 92-98.	1.3	8
28	Controlled Growth of 3D Interpenetrated Networks by NiCo₂O₄ and Graphdiyne for High-Performance Supercapacitor. ACS Applied Materials & Interfaces, 2022, 14, 18283-18292.	4.0	17
29	Separation of acetylene, ethylene and ethane over single layered graphdiyne membranes: Performance and insights from quantum mechanical views. Journal of Environmental Chemical Engineering, 2022, 10, 107733.	3.3	2
30	Bismuth/Graphdiyne Heterostructure for Electrocatalytic Conversion of CO2 to Formate. Chemical Research in Chinese Universities, 2022, 38, 1380-1386.	1.3	6
31	Interfacial Evolution of the Solid Electrolyte Interphase and Lithium Deposition in Graphdiyne-Based Lithium-Ion Batteries. Journal of the American Chemical Society, 2022, 144, 9354-9362.	6.6	30
32	Controlled Growth of the Interface of CdWO_x/GDY for Hydrogen Energy Conversion. Advanced Functional Materials, 2022, 32, .	7.8	21
33	Graphdiyne Nanospheres as a Wettability and Electron Modifier for Enhanced Hydrogenation Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
34	A new carbon allotrope: graphdiyne. Trends in Chemistry, 2022, 4, 754-768.	4.4	35
35	Research of Low-Dimensional Carbon-Based Magnetic Materials. ACS Applied Electronic Materials, 2022, 4, 3263-3277.	2.0	8
36	Gas permeation through graphdiyne-based nanoporous membranes. Nature Communications, 2022, 13, .	5.8	15

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37	Chemical bond conversion directly drives power generation on the surface of graphdiyne. Matter, 2022, 5, 2933-2945.	5.0	10
38	Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. Angewandte Chemie, 2021, 133, 3207-3211.	1.6	46
39	Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. Angewandte Chemie - International Edition, 2021, 60, 3170-3174.	7.2	174
40	Graphdiyne-based metal atomic catalysts for synthesizing ammonia. National Science Review, 2021, 8, nwaa213.	4.6	110
41	Graphdiyne@NiO_x(OH)_y heterostructure for efficient overall water splitting. Materials Chemistry Frontiers, 2021, 5, 5305-5311.	3.2	13
42	Photoactive conjugated polymer/graphdiyne nanocatalyst for CO₂ reduction to CO in living cells for hypoxia tumor treatment. Materials Chemistry Frontiers, 2021, 5, 5841-5845.	3.2	11
43	2D carbon graphdiyne: Fundamentals and applications. , 2021, , 461-516.		1
44	Controllable growth of graphdiyne layered nanosheets for high-performance water oxidation. Materials Chemistry Frontiers, 2021, 5, 4153-4159.	3.2	19
45	Graphdiyne Visibleâ€Light Photodetector with Ultrafast Detectivity. Advanced Optical Materials, 2021, 9, 2001916.	3.6	25
46	Graphdiyne Ultrathin Nanosheets for Efficient Water Splitting. Advanced Functional Materials, 2021, 31, 2010112.	7.8	35
47	Selfâ€Validated Machine Learning Study of Graphdiyneâ€Based Dual Atomic Catalyst. Advanced Energy Materials, 2021, 11, 2003796.	10.2	57
48	Efficient Hydrogen Evolution on Nanoscale Graphdiyne. Small, 2021, 17, e2006136.	5.2	36
49	Photoinduced Electrocatalysis on 3D Flexible OsO_x Quantum Dots. Advanced Energy Materials, 2021, 11, 2100234.	10.2	50
50	Flexible Organic Solar Cells: Progress and Challenges. Small Science, 2021, 1, 2100001.	5.8	94
51	Hydrogen Evolution Reaction: Photoinduced Electrocatalysis on 3D Flexible OsO_x Quantum Dots (Adv. Energy Mater. 18/2021). Advanced Energy Materials, 2021, 11, 2170071.	10.2	1
52	Graphdiyne oxide and graphene oxide sense monovalent cations differently: The alkyne and alkene physicochemistry. Nano Today, 2021, 38, 101141.	6.2	7
53	Acidic Water Oxidation on Quantum Dots of IrO_x/Graphdiyne. Advanced Energy Materials, 2021, 11, 2101138.	10.2	54
54	Porous 3D Siliconâ€Diamondyne Blooms Excellent Storage and Diffusion Properties for Li, Na, and K Ions. Advanced Energy Materials, 2021, 11, 2101197.	10.2	35

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55	Synthesis and Application of Graphdiyne Oxide-Polyurethane Nanocomposite Yield a Highly Sensitive Non-Enzyme Glucose Sensor. Journal of the Electrochemical Society, 2021, 168, 077520.	1.3	5
56	The Underlying Function and Structural Organization of the Intracellular Protein Corona on Graphdiyne Oxide Nanosheet for Local Immunomodulation. Nano Letters, 2021, 21, 6005-6013.	4.5	63
57	High Voltageâ€Stabilized Graphdiyne Cathode Interface. Small, 2021, 17, e2102066.	5.2	18
58	Preparation of triphenyl-amine graphdiyne with concomitant assembled morphology and its application for lithium-ion storage. 2D Materials, 2021, 8, 044005.	2.0	7
59	Selective Conversion of CO₂ into Cyclic Carbonate on Atom Level Catalysts. ACS Materials Au, 2021, 1, 107-115.	2.6	15
60	Proton selective anode nanochannel for efficient methanol utilization. Nano Today, 2021, 39, 101213.	6.2	22
61	A metal-free graphdiyne material for highly efficient oxidation of benzene to phenol. 2D Materials, 2021, 8, 044004.	2.0	4
62	Nitrogen-doped graphdiyne for effective metal deposition and heterogeneous Suzuki-Miyaura coupling catalysis. Applied Catalysis A: General, 2021, 623, 118244.	2.2	11
63	Graphdiyne-based flexible respiration sensors for monitoring human health. Nano Today, 2021, 39, 101214.	6.2	66
64	Bimetallic Mixed Clusters Highly Loaded on Porous 2D Graphdiyne for Hydrogen Energy Conversion. Advanced Science, 2021, 8, e2102777.	5.6	27
65	Graphdiyne/CdSe quantum dot heterostructure for efficient photoelectrochemical water oxidation. 2D Materials, 2021, 8, 044017.	2.0	7
66	2D Graphdiyne: A Rising Star on the Horizon of Energy Conversion. Chemistry - an Asian Journal, 2021, 16, 3259-3271.	1.7	8
67	Porous graphdiyne loading CoOx quantum dots for fixation nitrogen reaction. Nano Energy, 2021, 89, 106333.	8.2	47
68	Biodegradation of graphdiyne oxide in classically activated (M1) macrophages modulates cytokine production. Nanoscale, 2021, 13, 13072-13084.	2.8	12
69	Two-dimensional graphdiyne/metal hydroxide heterojunction for high-efficiency oxygen evolution reaction. Scientia Sinica Chimica, 2021, , .	0.2	2
70	Graphdiyne Based Atomic Catalyst: an Emerging Star for Energy Conversion. Chemical Research in Chinese Universities, 2021, 37, 1149-1157.	1.3	13
71	Nitrogen-rich Graphdiyne Film for Efficiently Suppressing the Methanol Crossover in Direct Methanol Fuel Cells. Chemical Research in Chinese Universities, 2021, 37, 1275-1282.	1.3	2
72	Graphdiyne nanostructure for high-performance lithium-sulfur batteries. Nano Energy, 2020, 68, 104307.	8.2	51

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73	Graphdiyne tubular micromotors: Electrosynthesis, characterization and self-propelled capabilities. Applied Materials Today, 2020, 20, 100743.	2.3	11
74	Unique structural advances of graphdiyne for energy applications. EnergyChem, 2020, 2, 100041.	10.1	48
75	Loading Copper Atoms on Graphdiyne for Highly Efficient Hydrogen Production. ChemPhysChem, 2020, 21, 2145-2149.	1.0	40
76	Graphdiyne Oxideâ€Based Highâ€Performance Rechargeable Aqueous Znâ€“MnO₂ Battery. Advanced Functional Materials, 2020, 30, 2004115.	7.8	56
77	Spontaneously Splitting Copper Nanowires into Quantum Dots on Graphdiyne for Suppressing Lithium Dendrites. Advanced Materials, 2020, 32, e2004379.	11.1	74
78	Induced Ferromagnetic Order of Graphdiyne Semiconductors by Introducing a Heteroatom. ACS Central Science, 2020, 6, 950-958.	5.3	38
79	Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. Angewandte Chemie, 2020, 132, 13121-13127.	1.6	15
80	Graphdiyne:Structure of Fluorescent Quantum Dots. Angewandte Chemie - International Edition, 2020, 59, 16712-16716.	7.2	79
81	Graphdiyne:Structure of Fluorescent Quantum Dots. Angewandte Chemie, 2020, 132, 16855.	1.6	7
82	Graphdiyne nanoradioprotector with efficient free radical scavenging ability for mitigating radiation-induced gastrointestinal tract damage. Biomaterials, 2020, 244, 119940.	5.7	58
83	2D graphdiyne loading ruthenium atoms for high efficiency water splitting. Nano Energy, 2020, 72, 104667.	8.2	91
84	Graphdiyne-templated palladium-nanoparticle assembly as a robust oxygen generator to attenuate tumor hypoxia. Nano Today, 2020, 34, 100907.	6.2	75
85	A highly selective and active metal-free catalyst for ammonia production. Nanoscale Horizons, 2020, 5, 1274-1278.	4.1	20
86	In Situ Coating Graphdiyne for Highâ€Energyâ€Density and Stable Organic Cathodes. Advanced Materials, 2020, 32, e2000140.	11.1	72
87	Accelerating Atomic Catalyst Discovery by Theoretical Calculationsâ€Machine Learning Strategy. Advanced Energy Materials, 2020, 10, 1903949.	10.2	99
88	Controllable Synthesis of Graphdiyne Nanoribbons. Angewandte Chemie, 2020, 132, 4938-4943.	1.6	14
89	Controllable Synthesis of Graphdiyne Nanoribbons. Angewandte Chemie - International Edition, 2020, 59, 4908-4913.	7.2	71
90	2D Inorganic Materials: from Atomic Crystals to Molecular Crystals. Chemical Research in Chinese Universities, 2020, 36, 147-148.	1.3	3

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91	Graphdiyne Derivative as Multifunctional Solid Additive in Binary Organic Solar Cells with 17.3% Efficiency and High Reproductivity. Advanced Materials, 2020, 32, e1907604.	11.1	309
92	Fundament and Application of Graphdiyne in Electrochemical Energy. Accounts of Chemical Research, 2020, 53, 459-469.	7.6	139
93	Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. Angewandte Chemie - International Edition, 2020, 59, 13021-13027.	7.2	154
94	Graphdiyne Micromotors in Living Biomedia. Chemistry - A European Journal, 2020, 26, 8471-8477.	1.7	14
95	DNA-Guided Room-Temperature Synthesis of Single-Crystalline Gold Nanostructures on Graphdiyne Substrates. ACS Central Science, 2020, 6, 779-786.	5.3	15
96	Selfâ€assembly and tunable optical properties of intramolecular charge transfer molecules. Aggregate, 2020, 1, 57-68.	5.2	37
97	A dehydrobenzoannulene-based three dimensional graphdiyne for photocatalytic hydrogen generation using Pt nanoparticles as a co-catalyst and triethanolamine as a sacrificial electron donor. Journal of Materials Chemistry A, 2020, 8, 4850-4855.	5.2	26
98	A Universal Strategy for Constructing Seamless Graphdiyne on Metal Oxides to Stabilize the Electrochemical Structure and Interface. Advanced Materials, 2019, 31, e1806272.	11.1	59
99	Highâ€Yield and Damageâ€free Exfoliation of Layered Graphdiyne in Aqueous Phase. Angewandte Chemie, 2019, 131, 756-760.	1.6	10
100	Graphdiyne-Promoted Highly Efficient Photocatalytic Activity of Graphdiyne/Silver Phosphate Pickering Emulsion Under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2019, 11, 2684-2691.	4.0	64
101	Fluorographdiyne: A Metalâ€Free Catalyst for Applications in Water Reduction and Oxidation. Angewandte Chemie, 2019, 131, 14035-14041.	1.6	34
102	Fluorographdiyne: A Metalâ€Free Catalyst for Applications in Water Reduction and Oxidation. Angewandte Chemie - International Edition, 2019, 58, 13897-13903.	7.2	123
103	Chemical modification: Toward solubility and processability of graphdiyne. Nano Energy, 2019, 64, 103932.	8.2	34
104	Graphdiyne-engineered heterostructures for efficient overall water-splitting. Nano Energy, 2019, 64, 103928.	8.2	43
105	Graphdiyne with tunable activity towards hydrogen evolution reaction. Nano Energy, 2019, 63, 103874.	8.2	44
106	Largeâ€Area Aminatedâ€Graphdiyne Thin Films for Direct Methanol Fuel Cells. Angewandte Chemie - International Edition, 2019, 58, 15010-15015.	7.2	88
107	Graphdiyne: The Fundamentals and Application of an Emerging Carbon Material. Advanced Materials, 2019, 31, e1904885.	11.1	33
108	Electrochemical Energy Storage: Graphdiyneâ€Based Materials: Preparation and Application for Electrochemical Energy Storage (Adv. Mater. 42/2019). Advanced Materials, 2019, 31, 1970300.	11.1	20

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109	Largeâ€Area Aminatedâ€Graphdiyne Thin Films for Direct Methanol Fuel Cells. Angewandte Chemie, 2019, 131, 15152-15157.	1.6	23
110	Ultrathin Nanosheet of Graphdiyne-Supported Palladium Atom Catalyst for Efficient Hydrogen Production. IScience, 2019, 11, 31-41.	1.9	149
111	Graphdiyneâ€Based Materials: Preparation and Application for Electrochemical Energy Storage. Advanced Materials, 2019, 31, e1803202.	11.1	136
112	2D Graphdiyne Oxide Serves as a Superior New Generation of Antibacterial Agents. IScience, 2019, 19, 662-675.	1.9	58
113	Highly Efficient and Selective Generation of Ammonia and Hydrogen on a Graphdiyne-Based Catalyst. Journal of the American Chemical Society, 2019, 141, 10677-10683.	6.6	474
114	Mapping of atomic catalyst on graphdiyne. Nano Energy, 2019, 62, 754-763.	8.2	64
115	Graphdiyne and its Assembly Architectures: Synthesis, Functionalization, and Applications. Advanced Materials, 2019, 31, e1803101.	11.1	214
116	Rationally engineered active sites for efficient and durable hydrogen generation. Nature Communications, 2019, 10, 2281.	5.8	59
117	Highly Lithiophilic Graphdiyne Nanofilm on 3D Free-Standing Cu Nanowires for High-Energy-Density Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 17678-17685.	4.0	32
118	In situ growth of graphdiyne based heterostructure: Toward efficient overall water splitting. Nano Energy, 2019, 59, 591-597.	8.2	78
119	The electronic properties and magnetic states of edge-modified Î³-graphdiyne nanoribbons. Computational Materials Science, 2019, 163, 82-90.	1.4	15
120	Intensified Câ‰¡C Stretching Vibrator and Its Potential Role in Monitoring Ultrafast Energy Transfer in 2D Carbon Material by Nonlinear Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 1402-1410.	2.1	8
121	Emerging Electrochemical Energy Applications of Graphdiyne. Joule, 2019, 3, 899-903.	11.7	192
122	Xâ€Shaped Polycyclic Aromatic Hydrocarbons: Optical Properties and Tunable Assembly Ability. Chemistry - an Asian Journal, 2019, 14, 491-498.	1.7	1
123	Nanoindentation of thin graphdiyne films: Experiments and molecular dynamics simulation. Carbon, 2019, 144, 72-80.	5.4	28
124	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. Journal of the American Chemical Society, 2019, 141, 48-52.	6.6	60
125	Efficient hydrogen generation on graphdiyne-based heterostructure. Nano Energy, 2019, 55, 135-142.	8.2	59
126	Highâ€Yield and Damageâ€free Exfoliation of Layered Graphdiyne in Aqueous Phase. Angewandte Chemie - International Edition, 2019, 58, 746-750.	7.2	79

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127	Synthesis and Applications of Graphdiyneâ€Based Metalâ€Free Catalysts. Advanced Materials, 2019, 31, e1803762.	11.1	143
128	Ultrathin Graphdiyne-Wrapped Iron Carbonate Hydroxide Nanosheets toward Efficient Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 2618-2625.	4.0	73
129	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. ACS Applied Materials & Interfaces, 2019, 11, 2579-2590.	4.0	115
130	Ultrafastly Interweaving Graphdiyne Nanochain on Arbitrary Substrates and Its Performance as a Supercapacitor Electrode. ACS Applied Materials & Interfaces, 2019, 11, 2599-2607.	4.0	58
131	Graphdiyne Sponge for Direct Collection of Oils from Water. ACS Applied Materials & Interfaces, 2019, 11, 2591-2598.	4.0	85
132	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. ACS Applied Materials & Interfaces, 2019, 11, 2647-2654.	4.0	86
133	Synthesis of Graphdiyne Film through Solution Phase Van der Waals Epitaxy. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 657-658.	2.2	2
134	High-performance graphdiyne-based electrochemical actuators. Nature Communications, 2018, 9, 752.	5.8	268
135	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. Angewandte Chemie, 2018, 130, 3986-3990.	1.6	36
136	Multifunctional Singleâ€Crystallized Carbonate Hydroxides as Highly Efficient Electrocatalyst for Full Water splitting. Advanced Energy Materials, 2018, 8, 1800175.	10.2	101
137	InnenrÃ¼cktitelbild: Synthesis and Electronic Structure of Boronâ€Graphdiyne with an spâ€Hybridized Carbon Skeleton and Its Application in Sodium Storage (Angew. Chem. 15/2018). Angewandte Chemie, 2018, 130, 4169-4169.	1.6	7
138	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. Advanced Materials, 2018, 30, e1707082.	11.1	158
139	Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. Nature Communications, 2018, 9, 1460.	5.8	781
140	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. Angewandte Chemie - International Edition, 2018, 57, 3922-3926.	7.2	159
141	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 8436-8442.	4.0	130
142	Synthesis and Electronic Structure of Boronâ€Graphdiyne with an spâ€Hybridized Carbon Skeleton and Its Application in Sodium Storage. Angewandte Chemie, 2018, 130, 4032-4037.	1.6	47
143	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.	7.2	166
144	Improved electron transport in MAPbI3 perovskite solar cells based on dual doping graphdiyne. Nano Energy, 2018, 46, 331-337.	8.2	135

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145	Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 1771-1780.	4.0	22
146	Controlled Growth of MoS₂ Nanosheets on 2D Nâ€Doped Graphdiyne Nanolayers for Highly Associated Effects on Water Reduction. Advanced Functional Materials, 2018, 28, 1707564.	7.8	119
147	Graphdiyne: a superior carbon additive to boost the activity of water oxidation catalysts. Nanoscale Horizons, 2018, 3, 317-326.	4.1	116
148	Direct imaging and determination of the crystal structure of six-layered graphdiyne. Nano Research, 2018, 11, 1714-1721.	5.8	100
149	Architecture and properties of a novel two-dimensional carbon material-graphtetrayne. Nano Energy, 2018, 43, 192-199.	8.2	68
150	Graphdiyne Quantum Dots for Much Improved Stability and Efficiency of Perovskite Solar Cells. Advanced Materials Interfaces, 2018, 5, 1701117.	1.9	76
151	Ultrathin Graphdiyne Nanosheets Grown Inâ€…Situ on Copper Nanowires and Their Performance as Lithiumâ€Ion Battery Anodes. Angewandte Chemie - International Edition, 2018, 57, 774-778.	7.2	257
152	Graphdiyne-WS2 2D-Nanohybrid electrocatalysts for high-performance hydrogen evolution reaction. Carbon, 2018, 129, 228-235.	5.4	124
153	Ultrathin Graphdiyne Nanosheets Grown Inâ€…Situ on Copper Nanowires and Their Performance as Lithiumâ€Ion Battery Anodes. Angewandte Chemie, 2018, 130, 782-786.	1.6	41
154	N-doped graphdiyne for high-performance electrochemical electrodes. Nano Energy, 2018, 44, 144-154.	8.2	182
155	Graphdiyne-modified cross-linkable fullerene as an efficient electron-transporting layer in organometal halide perovskite solar cells. Nano Energy, 2018, 43, 47-54.	8.2	126
156	Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. Nature Communications, 2018, 9, 5309.	5.8	287
157	Efficiently suppressing lithium dendrites on atomic level by ultrafiltration membrane of graphdiyne. Materials Today Energy, 2018, 10, 191-199.	2.5	28
158	Graphdiyne as a Host Active Material for Perovskite Solar Cell Application. Nano Letters, 2018, 18, 6941-6947.	4.5	110
159	Comparisons between Graphene Oxide and Graphdiyne Oxide in Physicochemistry Biology and Cytotoxicity. ACS Applied Materials & Interfaces, 2018, 10, 32946-32954.	4.0	58
160	Graphdiyneâ€Based Bulk Heterojunction for Efficient and Moistureâ€Stable Planar Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1802012.	10.2	70
161	Lowâ€Temperature Growth of Allâ€Carbon Graphdiyne on a Silicon Anode for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1801459.	11.1	250
162	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. Nature Chemistry, 2018, 10, 924-931.	6.6	558

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163	Progress in Research into 2D Graphdiyne-Based Materials. Chemical Reviews, 2018, 118, 7744-7803.	23.0	745
164	Fluoride graphdiyne as a free-standing electrode displaying ultra-stable and extraordinary high Li storage performance. Energy and Environmental Science, 2018, 11, 2893-2903.	15.6	146
165	Graphdiyne under pressure: A Raman study. Applied Physics Letters, 2018, 113, .	1.5	10
166	Selectively nitrogen-doped carbon materials as superior metal-free catalysts for oxygen reduction. Nature Communications, 2018, 9, 3376.	5.8	436
167	In-situ constructing 3D graphdiyne as all-carbon binder for high-performance silicon anode. Nano Energy, 2018, 53, 135-143.	8.2	81
168	2D graphdiyne materials: challenges and opportunities in energy field. Science China Chemistry, 2018, 61, 765-786.	4.2	123
169	Chemical Modification and Functionalization of Graphdiyne. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 992-1013.	2.2	35
170	Graphdiyne: from Synthesis to Application. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 959-960.	2.2	5
171	Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. Nano Energy, 2017, 33, 343-349.	8.2	92
172	Fewâ€Layer Graphdiyne Nanosheets Applied for Multiplexed Realâ€Time DNA Detection. Advanced Materials, 2017, 29, 1606755.	11.1	198
173	Graphdiyne for multilevel flexible organic resistive random access memory devices. Materials Chemistry Frontiers, 2017, 1, 1338-1341.	3.2	26
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