Yuliang Li

List of Publications by Year in Descending Order

306 papers	21,230 citations	78 h-index	140 g-index
333 ext. papers	25,242 ext. citations	11.4 avg, IF	7.34 L-index

#	Paper	IF	Citations
306	Highly Dispersed Platinum Chlorine Atoms Anchored on Gold Quantum Dots for a Highly Efficient Electrocatalyst.. *Journal of the American Chemical Society*, **2022**,	16.4	7
305	R□ktitelbild: Self-Expanding Ion-Transport Channels on Anodes for Fast-Charging Lithium-Ion Batteries (Angew. Chem. 7/2022). *Angewandte Chemie*, **2022**, 134,	3.6	2
304	Electronic structure modulation of metal-free graphdiyne for acidic oxygen evolution reaction. *2D Materials*, **2022**, 9, 014008	5.9	2
303	Selectively Growing a Highly Active Interface of Mixed Nb-Rh Oxide/2D Carbon for Electrocatalytic Hydrogen Production.. *Advanced Science*, **2022**, e2104706	13.6	3
302	Atomic alloys of nickel-platinum on carbon network for methanol oxidation. *Nano Energy*, **2022**, 95, 106984	17.1	2
301	Controlled Growth of Donor-Bridge-Acceptor Interface for High-Performance Ammonia Production.. *Small*, **2022**, e2107136	11	1
300	An integrated interfacial engineering for efficiently confining the asymmetric strain in scalable silicon anode. *Journal of Power Sources*, **2022**, 524, 231086	8.9	1
299	Controlling precise voids in the ion-selective carbon shell for zero-strain electrode. *Energy Storage Materials*, **2022**, 45, 110-118	19.4	0
298	Graphdiyne-Based Materials in Catalytic Applications **2022**, 165-219		
297	Functionalization of GDYs **2022**, 125-163		0
296	Graphdiyne-Based Materials in Solar Cells Applications **2022**, 287-314		
295	Graphdiyne-Based Materials in Rechargeable Batteries Applications **2022**, 221-285		0
294	Graphdiyne-Based Materials in Sensors and Separation Applications **2022**, 341-365		
293	Graphdiyne: Electronics, Thermoelectrics, and Magnetism Applications **2022**, 315-339		0
292	GDY Synthesis and Characterization **2022**, 79-123		0
291	Basic Structure and Band Gap Engineering: Theoretical Study of GDYs **2022**, 13-77		
290	2D graphdiyne: an emerging carbon material.. *Chemical Society Reviews*, **2022**,	58.5	19

289	Large-scale CuS nanotube arrays@graphdiyne for high-performance sodium ion battery. *2D Materials*, **2022**, 9, 025024	5.9	2
288	Highly Loaded Independent Pt Atoms on Graphdiyne for pH-General Methanol Oxidation Reaction.. *Advanced Science*, **2022**, e2104991	13.6	2
287	Highly selective and durable of monodispersed metal atoms in ammonia production. *Nano Today*, **2022**, 43, 101431	17.9	3
286	sp-carbon-enabled interface for high-performance graphite anode. *Nano Today*, **2022**, 44, 101478	17.9	2
285	Loading Nickel Atoms on GDY for Efficient CO2 Fixation and Conversion. *Chemical Research in Chinese Universities*, **2022**, 38, 92-98	2.2	1
284	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	6.8	0
283	Graphdiyne-Induced Iron Vacancy for Efficient Nitrogen Conversion. *Advanced Science*, **2021**, e2102721	13.6	6
282	Stabilizing Interface pH by N-Modified Graphdiyne for Dendrite-Free and High-Rate Aqueous Zn-ion Batteries. *Angewandte Chemie - International Edition*, **2021**,	16.4	21
281	Nitrogen-rich Graphdiyne Film for Efficiently Suppressing the Methanol Crossover in Direct Methanol Fuel Cells. *Chemical Research in Chinese Universities*, **2021**, 37, 1275-1282	2.2	1
280	Self-Expanding Ion-Transport Channels on Anodes for Fast-Charging Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, e202113313	16.4	1
279	Graphdiyne Based Atomic Catalyst: an Emerging Star for Energy Conversion. *Chemical Research in Chinese Universities*, **2021**, 37, 1149	2.2	1
278	Efficient Hydrogen Evolution on Nanoscale Graphdiyne. *Small*, **2021**, 17, e2006136	11	14
277	Photoinduced Electrocatalysis on 3D Flexible OsOx Quantum Dots. *Advanced Energy Materials*, **2021**, 11, 2100234	21.8	23
276	Flexible Organic Solar Cells: Progress and Challenges. *Small Science*, **2021**, 1, 2100001		34
275	Hydrogen Evolution Reaction: Photoinduced Electrocatalysis on 3D Flexible OsOx Quantum Dots (Adv. Energy Mater. 18/2021). *Advanced Energy Materials*, **2021**, 11, 2170071	21.8	0
274	Graphdiyne oxide and graphene oxide sense monovalent cations differently: The alkyne and alkene physicochemistry. *Nano Today*, **2021**, 38, 101141	17.9	0
273	Acidic Water Oxidation on Quantum Dots of IrOx/Graphdiyne. *Advanced Energy Materials*, **2021**, 11, 2101138	21.8	23
272	Porous 3D Silicon-Diamondyne Blooms Excellent Storage and Diffusion Properties for Li, Na, and K Ions. *Advanced Energy Materials*, **2021**, 11, 2101197	21.8	8

271	Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. *Angewandte Chemie*, **2021**, 133, 3207-3211	3.6	14
270	Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. *Angewandte Chemie - International Edition*, **2021**, 60, 3170-3174	16.4	74
269	Graphdiyne-based metal atomic catalysts for synthesizing ammonia. *National Science Review*, **2021**, 8, nwaa213	10.8	42
268	Graphdiyne@NiOx(OH)y heterostructure for efficient overall water splitting. *Materials Chemistry Frontiers*, **2021**, 5, 5305-5311	7.8	4
267	Photoactive conjugated polymer/graphdiyne nanocatalyst for CO2 reduction to CO in living cells for hypoxia tumor treatment. *Materials Chemistry Frontiers*, **2021**, 5, 5841-5845	7.8	5
266	2D carbon graphdiyne: Fundamentals and applications **2021**, 461-516		1
265	Controllable growth of graphdiyne layered nanosheets for high-performance water oxidation. *Materials Chemistry Frontiers*, **2021**, 5, 4153-4159	7.8	13
264	Graphdiyne Visible-Light Photodetector with Ultrafast Detectivity. *Advanced Optical Materials*, **2021**, 9, 2001916	8.1	13
263	Graphdiyne Ultrathin Nanosheets for Efficient Water Splitting. *Advanced Functional Materials*, **2021**, 31, 2010112	15.6	19
262	Self-Validated Machine Learning Study of Graphdiyne-Based Dual Atomic Catalyst. *Advanced Energy Materials*, **2021**, 11, 2003796	21.8	21
261	Synthesis and Application of Graphdiyne Oxide-Polyurethane Nanocomposite Yield a Highly Sensitive Non-Enzyme Glucose Sensor. *Journal of the Electrochemical Society*, **2021**, 168, 077520	3.9	0
260	The Underlying Function and Structural Organization of the Intracellular Protein Corona on Graphdiyne Oxide Nanosheet for Local Immunomodulation. *Nano Letters*, **2021**, 21, 6005-6013	11.5	14
259	High Voltage-Stabilized Graphdiyne Cathode Interface. *Small*, **2021**, 17, e2102066	11	5
258	Preparation of triphenyl-amine graphdiyne with concomitant assembled morphology and its application for lithium-ion storage. *2D Materials*, **2021**, 8, 044005	5.9	2
257	Proton selective anode nanochannel for efficient methanol utilization. *Nano Today*, **2021**, 39, 101213	17.9	12
256	A metal-free graphdiyne material for highly efficient oxidation of benzene to phenol. *2D Materials*, **2021**, 8, 044004	5.9	2
255	Nitrogen-doped graphdiyne for effective metal deposition and heterogeneous Suzuki-Miyaura coupling catalysis. *Applied Catalysis A: General*, **2021**, 623, 118244	5.1	6
254	Graphdiyne-based flexible respiration sensors for monitoring human health. *Nano Today*, **2021**, 39, 101214	17.9	20

253	Bimetallic Mixed Clusters Highly Loaded on Porous 2D Graphdiyne for Hydrogen Energy Conversion. *Advanced Science*, **2021**, 8, e2102777	13.6	7
252	Controlled Growth and Self-Assembly of Multiscale Organic Semiconductor. *Advanced Materials*, **2021**, e2102811	24	5
251	2D Graphdiyne: A Rising Star on the Horizon of Energy Conversion. *Chemistry - an Asian Journal*, **2021**, 16, 3259-3271	4.5	2
250	Porous graphdiyne loading CoOx quantum dots for fixation nitrogen reaction. *Nano Energy*, **2021**, 89, 106333	17.1	7
249	Biodegradation of graphdiyne oxide in classically activated (M1) macrophages modulates cytokine production. *Nanoscale*, **2021**, 13, 13072-13084	7.7	3
248	Spontaneously Splitting Copper Nanowires into Quantum Dots on Graphdiyne for Suppressing Lithium Dendrites. *Advanced Materials*, **2020**, 32, e2004379	24	38
247	Induced Ferromagnetic Order of Graphdiyne Semiconductors by Introducing a Heteroatom. *ACS Central Science*, **2020**, 6, 950-958	16.8	20
246	Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. *Angewandte Chemie*, **2020**, 132, 13121-13127	3.6	5
245	Graphdiyne:Structure of Fluorescent Quantum Dots. *Angewandte Chemie - International Edition*, **2020**, 59, 16712-16716	16.4	39
244	Graphdiyne:Structure of Fluorescent Quantum Dots. *Angewandte Chemie*, **2020**, 132, 16855	3.6	1
243	Graphdiyne nanoradioprotector with efficient free radical scavenging ability for mitigating radiation-induced gastrointestinal tract damage. *Biomaterials*, **2020**, 244, 119940	15.6	25
242	2D graphdiyne loading ruthenium atoms for high efficiency water splitting. *Nano Energy*, **2020**, 72, 104667	17.1	55
241	Graphdiyne-templated palladium-nanoparticle assembly as a robust oxygen generator to attenuate tumor hypoxia. *Nano Today*, **2020**, 34, 100907	17.9	38
240	A highly selective and active metal-free catalyst for ammonia production. *Nanoscale Horizons*, **2020**, 5, 1274-1278	10.8	12
239	In Situ Coating Graphdiyne for High-Energy-Density and Stable Organic Cathodes. *Advanced Materials*, **2020**, 32, e2000140	24	41
238	Accelerating Atomic Catalyst Discovery by Theoretical Calculations-Machine Learning Strategy. *Advanced Energy Materials*, **2020**, 10, 1903949	21.8	41
237	Controllable Synthesis of Graphdiyne Nanoribbons. *Angewandte Chemie*, **2020**, 132, 4938-4943	3.6	9
236	Controllable Synthesis of Graphdiyne Nanoribbons. *Angewandte Chemie - International Edition*, **2020**, 59, 4908-4913	16.4	29

235	2D Inorganic Materials: from Atomic Crystals to Molecular Crystals. *Chemical Research in Chinese Universities*, **2020**, 36, 147-148	2.2	3
234	Graphdiyne Derivative as Multifunctional Solid Additive in Binary Organic Solar Cells with 17.3% Efficiency and High Reproductivity. *Advanced Materials*, **2020**, 32, e1907604	24	245
233	Fundament and Application of Graphdiyne in Electrochemical Energy. *Accounts of Chemical Research*, **2020**, 53, 459-469	24.3	66
232	Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. *Angewandte Chemie - International Edition*, **2020**, 59, 13021-13027	16.4	89
231	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	13	14
230	Graphdiyne nanostructure for high-performance lithium-sulfur batteries. *Nano Energy*, **2020**, 68, 104307	17.1	31
229	Graphdiyne tubular micromotors: Electrosynthesis, characterization and self-propelled capabilities. *Applied Materials Today*, **2020**, 20, 100743	6.6	3
228	Unique structural advances of graphdiyne for energy applications. *EnergyChem*, **2020**, 2, 100041	36.9	21
227	Loading Copper Atoms on Graphdiyne for Highly Efficient Hydrogen Production. *ChemPhysChem*, **2020**, 21, 2145-2149	3.2	25
226	Graphdiyne Oxide-Based High-Performance Rechargeable Aqueous Zn MnO2 Battery. *Advanced Functional Materials*, **2020**, 30, 2004115	15.6	29
225	Graphdiyne Micromotors in Living Biomedia. *Chemistry - A European Journal*, **2020**, 26, 8471-8477	4.8	7
224	DNA-Guided Room-Temperature Synthesis of Single-Crystalline Gold Nanostructures on Graphdiyne Substrates. *ACS Central Science*, **2020**, 6, 779-786	16.8	7
223	Self-assembly and tunable optical properties of intramolecular charge transfer molecules. *Aggregate*, **2020**, 1, 57-68	22.9	12
222	Large-Area Aminated-Graphdiyne Thin Films for Direct Methanol Fuel Cells. *Angewandte Chemie*, **2019**, 131, 15152-15157	3.6	12
221	Ultrathin Nanosheet of Graphdiyne-Supported Palladium Atom Catalyst for Efficient Hydrogen Production. *IScience*, **2019**, 11, 31-41	6.1	104
220	Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage. *Advanced Materials*, **2019**, 31, e1803202	24	68
219	2D Graphdiyne Oxide Serves as a Superior New Generation of Antibacterial Agents. *IScience*, **2019**, 19, 662-675	6.1	31
218	Highly Efficient and Selective Generation of Ammonia and Hydrogen on a Graphdiyne-Based Catalyst. *Journal of the American Chemical Society*, **2019**, 141, 10677-10683	16.4	309

217	Mapping of atomic catalyst on graphdiyne. *Nano Energy*, **2019**, 62, 754-763	17.1	45
216	Graphdiyne and its Assembly Architectures: Synthesis, Functionalization, and Applications. *Advanced Materials*, **2019**, 31, e1803101	24	133
215	Rationally engineered active sites for efficient and durable hydrogen generation. *Nature Communications*, **2019**, 10, 2281	17.4	34
214	Highly Lithiophilic Graphdiyne Nanofilm on 3D Free-Standing Cu Nanowires for High-Energy-Density Electrodes. *ACS Applied Materials & Interfaces*, **2019**, 11, 17678-17685	9.5	22
213	In situ growth of graphdiyne based heterostructure: Toward efficient overall water splitting. *Nano Energy*, **2019**, 59, 591-597	17.1	59
212	The electronic properties and magnetic states of edge-modified □graphdiyne nanoribbons. *Computational Materials Science*, **2019**, 163, 82-90	3.2	7
211	Intensified C?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	6.4	3
210	Emerging Electrochemical Energy Applications of Graphdiyne. *Joule*, **2019**, 3, 899-903	27.8	127
209	Graphdiyne-Promoted Highly Efficient Photocatalytic Activity of Graphdiyne/Silver Phosphate Pickering Emulsion Under Visible-Light Irradiation. *ACS Applied Materials & Interfaces*, **2019**, 11, 2684-2691	9.5	45
208	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. *Angewandte Chemie*, **2019**, 131, 14035-14041	3.6	20
207	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. *Angewandte Chemie - International Edition*, **2019**, 58, 13897-13903	16.4	72
206	Chemical modification: Toward solubility and processability of graphdiyne. *Nano Energy*, **2019**, 64, 103932	17.1	22
205	Graphdiyne-engineered heterostructures for efficient overall water-splitting. *Nano Energy*, **2019**, 64, 103928	17.1	30
204	Graphdiyne with tunable activity towards hydrogen evolution reaction. *Nano Energy*, **2019**, 63, 103874	17.1	29
203	Large-Area Aminated-Graphdiyne Thin Films for Direct Methanol Fuel Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 15010-15015	16.4	56
202	Electrochemical Energy Storage: Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage (Adv. Mater. 42/2019). *Advanced Materials*, **2019**, 31, 1970300	24	12
201	X-Shaped Polycyclic Aromatic Hydrocarbons: Optical Properties and Tunable Assembly Ability. *Chemistry - an Asian Journal*, **2019**, 14, 491-498	4.5	1
200	Nanoindentation of thin graphdiyne films: Experiments and molecular dynamics simulation. *Carbon*, **2019**, 144, 72-80	10.4	14

199	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. *Journal of the American Chemical Society*, **2019**, 141, 48-52	16.4	35
198	Efficient hydrogen generation on graphdiyne-based heterostructure. *Nano Energy*, **2019**, 55, 135-142	17.1	41
197	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. *Angewandte Chemie - International Edition*, **2019**, 58, 746-750	16.4	44
196	Synthesis and Applications of Graphdiyne-Based Metal-Free Catalysts. *Advanced Materials*, **2019**, 31, e1803762	24	92
195	Ultrathin Graphdiyne-Wrapped Iron Carbonate Hydroxide Nanosheets toward Efficient Water Splitting. *ACS Applied Materials & Interfaces*, **2019**, 11, 2618-2625	9.5	48
194	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. *ACS Applied Materials & Interfaces*, **2019**, 11, 2579-2590	9.5	76
193	Ultrafastly Interweaving Graphdiyne Nanochain on Arbitrary Substrates and Its Performance as a Supercapacitor Electrode. *ACS Applied Materials & Interfaces*, **2019**, 11, 2599-2607	9.5	38
192	Graphdiyne Sponge for Direct Collection of Oils from Water. *ACS Applied Materials & Interfaces* , **2019**, 11, 2591-2598	9.5	62
191	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 2647-2654	9.5	56
190	A Universal Strategy for Constructing Seamless Graphdiyne on Metal Oxides to Stabilize the Electrochemical Structure and Interface. *Advanced Materials*, **2019**, 31, e1806272	24	19
189	High-performance graphdiyne-based electrochemical actuators. *Nature Communications*, **2018**, 9, 752	17.4	183
188	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. *Angewandte Chemie*, **2018**, 130, 3986-3990	3.6	17
187	Multifunctional Single-Crystallized Carbonate Hydroxides as Highly Efficient Electrocatalyst for Full Water splitting. *Advanced Energy Materials*, **2018**, 8, 1800175	21.8	68
186	Innenr□ktitelbild: Synthesis and Electronic Structure of Boron-Graphdiyne with an sp-Hybridized Carbon Skeleton and Its Application in Sodium Storage (Angew. Chem. 15/2018). *Angewandte Chemie*, **2018**, 130, 4169-4169	3.6	6
185	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. *Advanced Materials*, **2018**, 30, e1707082	24	124
184	Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. *Nature Communications*, **2018**, 9, 1460	17.4	538
183	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. *Angewandte Chemie - International Edition*, **2018**, 57, 3922-3926	16.4	101
182	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. *ACS Applied Materials & Interfaces*, **2018**, 10, 8436-8442	9.5	96

181	Synthesis and Electronic Structure of Boron-Graphdiyne with an sp-Hybridized Carbon Skeleton and Its Application in Sodium Storage. *Angewandte Chemie*, **2018**, 130, 4032-4037	3.6	32
180	Synthesis and Electronic Structure of Boron-Graphdiyne with an sp-Hybridized Carbon Skeleton and Its Application in Sodium Storage. *Angewandte Chemie - International Edition*, **2018**, 57, 3968-3973	16.4	111
179	Improved electron transport in MAPbI3 perovskite solar cells based on dual doping graphdiyne. *Nano Energy*, **2018**, 46, 331-337	17.1	113
178	Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2018**, 10, 1771-1780	9.5	16
177	Controlled Growth of MoS2 Nanosheets on 2D N-Doped Graphdiyne Nanolayers for Highly Associated Effects on Water Reduction. *Advanced Functional Materials*, **2018**, 28, 1707564	15.6	82
176	Graphdiyne: a superior carbon additive to boost the activity of water oxidation catalysts. *Nanoscale Horizons*, **2018**, 3, 317-326	10.8	97
175	Direct imaging and determination of the crystal structure of six-layered graphdiyne. *Nano Research*, **2018**, 11, 1714-1721	10	62
174	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. *Nature Chemistry*, **2018**, 10, 924-931	17.6	379
173	Progress in Research into 2D Graphdiyne-Based Materials. *Chemical Reviews*, **2018**, 118, 7744-7803	68.1	499
172	Fluoride graphdiyne as a free-standing electrode displaying ultra-stable and extraordinary high Li storage performance. *Energy and Environmental Science*, **2018**, 11, 2893-2903	35.4	95
171	Graphdiyne under pressure: A Raman study. *Applied Physics Letters*, **2018**, 113, 021901	3.4	8
170	Selectively nitrogen-doped carbon materials as superior metal-free catalysts for oxygen reduction. *Nature Communications*, **2018**, 9, 3376	17.4	267
169	In-situ constructing 3D graphdiyne as all-carbon binder for high-performance silicon anode. *Nano Energy*, **2018**, 53, 135-143	17.1	62
168	2D graphdiyne materials: challenges and opportunities in energy field. *Science China Chemistry*, **2018**, 61, 765-786	7.9	89
167	Chemical Modification and Functionalization of Graphdiyne. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2018**, 34, 992-1013	3.8	27
166	Graphdiyne: from Synthesis to Application. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2018**, 34, 959-960	3.8	3
165	Architecture and properties of a novel two-dimensional carbon material-graphtetrayne. *Nano Energy*, **2018**, 43, 192-199	17.1	51
164	Graphdiyne Quantum Dots for Much Improved Stability and Efficiency of Perovskite Solar Cells. *Advanced Materials Interfaces*, **2018**, 5, 1701117	4.6	61

163	Ultrathin Graphdiyne Nanosheets Grown In Situ on Copper Nanowires and Their Performance as Lithium-Ion Battery Anodes. *Angewandte Chemie - International Edition*, **2018**, 57, 774-778	16.4	192
162	Graphdiyne-WS2 2D-Nanohybrid electrocatalysts for high-performance hydrogen evolution reaction. *Carbon*, **2018**, 129, 228-235	10.4	93
161	Ultrathin Graphdiyne Nanosheets Grown In Situ on Copper Nanowires and Their Performance as Lithium-Ion Battery Anodes. *Angewandte Chemie*, **2018**, 130, 782-786	3.6	37
160	N-doped graphdiyne for high-performance electrochemical electrodes. *Nano Energy*, **2018**, 44, 144-154	17.1	129
159	Graphdiyne-modified cross-linkable fullerene as an efficient electron-transporting layer in organometal halide perovskite solar cells. *Nano Energy*, **2018**, 43, 47-54	17.1	106
158	Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. *Nature Communications*, **2018**, 9, 5309	17.4	188
157	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. *Angewandte Chemie*, **2018**, 131, 756	3.6	
156	Efficiently suppressing lithium dendrites on atomic level by ultrafiltration membrane of graphdiyne. *Materials Today Energy*, **2018**, 10, 191-199	7	22
155	Graphdiyne as a Host Active Material for Perovskite Solar Cell Application. *Nano Letters*, **2018**, 18, 6941-6947	12.7	84
154	Comparisons between Graphene Oxide and Graphdiyne Oxide in Physicochemistry Biology and Cytotoxicity. *ACS Applied Materials & Interfaces*, **2018**, 10, 32946-32954	9.5	30
153	Graphdiyne-Based Bulk Heterojunction for Efficient and Moisture-Stable Planar Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1802012	21.8	53
152	Low-Temperature Growth of All-Carbon Graphdiyne on a Silicon Anode for High-Performance Lithium-Ion Batteries. *Advanced Materials*, **2018**, 30, e1801459	24	192
151	Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. *Nano Energy*, **2017**, 33, 343-349	17.1	65
150	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. *Advanced Materials*, **2017**, 29, 1606755	24	153
149	Graphdiyne for multilevel flexible organic resistive random access memory devices. *Materials Chemistry Frontiers*, **2017**, 1, 1338-1341	7.8	18
148	Fabrication and Electroproperties of Nanoribbons: Carbon Ene-yne. *Advanced Electronic Materials*, **2017**, 3, 1700133	6.4	8
147	Graphdiyne-Supported NiCo S Nanowires: A Highly Active and Stable 3D Bifunctional Electrode Material. *Small*, **2017**, 13, 1700936	11	147
146	Hydrogen substituted graphdiyne as carbon-rich flexible electrode for lithium and sodium ion batteries. *Nature Communications*, **2017**, 8, 1172	17.4	255

145	Controlling the Growth of Molecular Crystal Aggregates with Distinct Linear and Nonlinear Optical Properties. *ACS Applied Materials & Interfaces*, **2017**, 9, 30862-30871	9.5	11
144	Synthesis and Properties of 2D Carbon-Graphdiyne. *Accounts of Chemical Research*, **2017**, 50, 2470-2478	24.3	308
143	In situ synthesis of a Prussian blue nanoparticles/graphdiyne oxide nanocomposite with high stability and electrocatalytic activity. *Electrochemistry Communications*, **2017**, 83, 96-101	5.1	28
142	Intrinsic magnetism of graphdiyne. *Applied Physics Letters*, **2017**, 111, 033101	3.4	31
141	Synthesis of Chlorine-Substituted Graphdiyne and Applications for Lithium-Ion Storage. *Angewandte Chemie - International Edition*, **2017**, 56, 10740-10745	16.4	165
140	Synthesis of Chlorine-Substituted Graphdiyne and Applications for Lithium-Ion Storage. *Angewandte Chemie*, **2017**, 129, 10880-10885	3.6	39
139	New method for the synthesis of a highly-conjugated acene material and its application in Perovskite solar cells. *Materials Chemistry Frontiers*, **2017**, 1, 2261-2264	7.8	6
138	Graphdiyne as Electrode Material: Tuning Electronic State and Surface Chemistry for Improved Electrode Reactivity. *Analytical Chemistry*, **2017**, 89, 13008-13015	7.8	52
137	Tuning Luminescence and Conductivity through Controlled Growth of Polymorphous Molecular Crystals. *Advanced Electronic Materials*, **2017**, 3, 1700132	6.4	6
136	How functional groups change the electronic structure of graphdiyne: Theory and experiment. *Carbon*, **2017**, 123, 1-6	10.4	32
135	A facile approach for graphdiyne preparation under atmosphere for an advanced battery anode. *Chemical Communications*, **2017**, 53, 8074-8077	5.8	93
134	Graphdiyne Materials as Nanotransducer for in Vivo Photoacoustic Imaging and Photothermal Therapy of Tumor. *Chemistry of Materials*, **2017**, 29, 6087-6094	9.6	115
133	Design and self-assembly of advanced functional molecular materials—from low dimension to multi-dimension. *Scientia Sinica Chimica*, **2017**, 47, 1045-1056	1.6	34
132	Controlling the Interface Areas of Organic/Inorganic Semiconductor Heterojunction Nanowires for High-Performance Diodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 21563-9	9.5	21
131	Self-catalyzed growth of Cu@graphdiyne core–shell nanowires array for high efficient hydrogen evolution cathode. *Nano Energy*, **2016**, 30, 858-866	17.1	124
130	A method for controlling the synthesis of stable twisted two-dimensional conjugated molecules. *Nature Communications*, **2016**, 7, 11637	17.4	53
129	Extraordinarily Durable Graphdiyne-Supported Electrocatalyst with High Activity for Hydrogen Production at All Values of pH. *ACS Applied Materials & Interfaces*, **2016**, 8, 31083-31091	9.5	99
128	Graphdiyne:ZnO Nanocomposites for High-Performance UV Photodetectors. *Advanced Materials*, **2016**, 28, 3697-702	24	212

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