

Yingjie Zhao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

2,938
citations

30
h-index

52
g-index

109
ext. papers

3,868
ext. citations

9.6
avg, IF

5.57
L-index

#	Paper	IF	Citations
95	Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. <i>Nature Communications</i> , 2018 , 9, 5309	17.4	188
94	Anion- π catalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2101-11	16.4	160
93	Catalysis with anion- π interactions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9940-3	16.4	153
92	Fully Conjugated Two-Dimensional sp ² -Carbon Covalent Organic Frameworks as Artificial Photosystem I with High Efficiency. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5376-5381	16.4	133
91	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. <i>Advanced Materials</i> , 2018 , 30, e1707082	24	124
90	The Emergence of Anion- π Catalysis. <i>Accounts of Chemical Research</i> , 2018 , 51, 2255-2263	24.3	121
89	Improved electron transport in MAPbI ₃ perovskite solar cells based on dual doping graphdiyne. <i>Nano Energy</i> , 2018 , 46, 331-337	17.1	113
88	Highly Conjugated Three-Dimensional Covalent Organic Frameworks Based on Spirobifluorene for Perovskite Solar Cell Enhancement. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10016-10024	16.4	111
87	Unorthodox Interactions at Work. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4270-7	16.4	108
86	Ultrathin Nanosheet of Graphdiyne-Supported Palladium Atom Catalyst for Efficient Hydrogen Production. <i>IScience</i> , 2019 , 11, 31-41	6.1	104
85	Interfacial Synthesis of Conjugated Two-Dimensional N-Graphdiyne. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 53-58	9.5	87
84	Construction of Fully Conjugated Covalent Organic Frameworks via Facile Linkage Conversion for Efficient Photoenzymatic Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5958-5963	16.4	85
83	Controlled Growth of MoS ₂ Nanosheets on 2D N-Doped Graphdiyne Nanolayers for Highly Associated Effects on Water Reduction. <i>Advanced Functional Materials</i> , 2018 , 28, 1707564	15.6	82
82	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13897-13903	16.4	72
81	Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2019 , 31, e1803202	24	68
80	Preparation of N-Graphdiyne Nanosheets at Liquid/Liquid Interface for Photocatalytic NADH Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2740-2744	9.5	62
79	Selective acceleration of disfavored enolate addition reactions by anion- π interactions. <i>Chemical Science</i> , 2015 , 6, 6219-6223	9.4	59

78	Enolate chemistry with anion-π interactions. <i>Nature Communications</i> , 2014 , 5, 3911	17.4	57
77	Catalysis with Anion-π Interactions. <i>Angewandte Chemie</i> , 2013 , 125, 10124-10127	3.6	53
76	Supramolecular Nanodiscs Self-Assembled from Non-Ionic Heptamethine Cyanine for Imaging-Guided Cancer Photothermal Therapy. <i>Advanced Materials</i> , 2020 , 32, e1906711	24	50
75	Asymmetric Anion-π Catalysis: Enamine Addition to Nitroolefins on π-Acidic Surfaces. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11582-5	16.4	49
74	Selective and colorimetric fluoride anion chemosensor based on s-tetrazines. <i>Dalton Transactions</i> , 2012 , 41, 13338-42	4.3	48
73	Graphdiyne-Doped P3CT-K as an Efficient Hole-Transport Layer for MAPbI Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2626-2631	9.5	45
72	Ultrafast Interweaving Graphdiyne Nanochain on Arbitrary Substrates and Its Performance as a Supercapacitor Electrode. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2599-2607	9.5	38
71	Fully Conjugated Two-Dimensional sp ² -Carbon Covalent Organic Frameworks as Artificial Photosystem I with High Efficiency. <i>Angewandte Chemie</i> , 2019 , 131, 5430-5435	3.6	36
70	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 48-52	16.4	35
69	Rationally engineered active sites for efficient and durable hydrogen generation. <i>Nature Communications</i> , 2019 , 10, 2281	17.4	34
68	Construction of an interpenetrated structure of macrocycles. <i>Chemical Communications</i> , 2010 , 46, 5698-7000	3.0	34
67	Enolate Stabilization by Anion-π Interactions: Deuterium Exchange in Malonate Dilactones on π-Acidic Surfaces. <i>Chemistry - A European Journal</i> , 2016 , 22, 2648-57	4.8	34
66	Layered-Perovskite Nanowires with Long-Range Orientational Order for Ultrasensitive Photodetectors. <i>Advanced Materials</i> , 2020 , 32, e1905298	24	30
65	Chiral 2D-Perovskite Nanowires for Stokes Photodetectors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8437-8445	16.4	29
64	Charge transfer co-crystals based on donor-acceptor interactions for near-infrared photothermal conversion. <i>Chemical Communications</i> , 2020 , 56, 5223-5226	5.8	27
63	Passive Mixing inside Microdroplets. <i>Micromachines</i> , 2018 , 9,	3.3	27
62	A water-soluble two-dimensional supramolecular organic framework with aggregation-induced emission for DNA affinity and live-cell imaging. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1435-1441	7.3	24
61	Anion-π Interactions: From concept to application. <i>Chinese Chemical Letters</i> , 2018 , 29, 261-266	8.1	22

60	Facile construction of fully sp-carbon conjugated two-dimensional covalent organic frameworks containing benzobisthiazole units.. <i>Nature Communications</i> , 2022 , 13, 100	17.4	22
59	Interfacial synthesis of crystalline two-dimensional cyano-graphdiyne. <i>Chemical Communications</i> , 2020 , 56, 3210-3213	5.8	21
58	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. <i>Angewandte Chemie</i> , 2019 , 131, 14035-14041	3.6	20
57	Self-assembly of indolocarbazole-containing macrocyclic molecules. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3923-7	3.9	18
56	Construction of Thiazolo[5,4-]thiazole-based Two-Dimensional Network for Efficient Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46483-46489	9.5	18
55	Sulfur-rich Graphdiyne-Containing Electrochemical Active Tetrathiafulvalene for Highly Efficient Lithium Storage Application. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46070-46076	9.5	17
54	Grain boundary passivation with triazine-graphdiyne to improve perovskite solar cell performance. <i>Science China Materials</i> , 2020 , 63, 2465-2476	7.1	17
53	Bioinspired NADH Regeneration Based on Conjugated Photocatalytic Systems. <i>Solar Rrl</i> , 2021 , 5, 20003391	7.1	17
52	Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1771-1780	9.5	16
51	Big, strong, neutral, twisted, and chiral acids. <i>Chemistry - A European Journal</i> , 2015 , 21, 6202-7	4.8	16
50	Construction of a functional [2]rotaxane with multilevel fluorescence responses. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7500-3	3.9	15
49	Spirobifluorene-Based Three-Dimensional Covalent Organic Frameworks with Rigid Topological Channels as Efficient Heterogeneous Catalyst. <i>CCS Chemistry</i> , 2021 , 3, 2418-2427	7.2	15
48	Triptycene-based three-dimensional covalent organic frameworks with stp topology of honeycomb structure. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 944-949	7.8	14
47	Interfacial Synthesis of Conjugated Crystalline 2D Fluorescent Polymer Film Containing Aggregation-Induced Emission Unit. <i>Small</i> , 2019 , 15, e1804519	11	13
46	Confined Interfacial Synthesis of Highly Crystalline and Ultrathin Graphdiyne Films and Their Applications for N Fixation. <i>Chemistry - A European Journal</i> , 2020 , 26, 7801-7807	4.8	13
45	Highly Efficient Preparation of Single-Layer Two-Dimensional Polymer Obtained from Single-Crystal to Single-Crystal Synthesis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5636-5642	16.4	13
44	A highly selective and active metal-free catalyst for ammonia production. <i>Nanoscale Horizons</i> , 2020 , 5, 1274-1278	10.8	12
43	Electrochemical Energy Storage: Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage (Adv. Mater. 42/2019). <i>Advanced Materials</i> , 2019 , 31, 1970300	24	12

42	Sulfur-substituted perylene diimides: efficient tuning of LUMO levels and visible-light absorption via sulfur redox. <i>Chemical Communications</i> , 2019 , 55, 13570-13573	5.8	12
41	Construction of two-dimensional supramolecular nanostructure with aggregation-induced emission effect via host-guest interactions. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1532-1537	7.8	10
40	Controllable Spatial Configuration on Cathode Interface for Enhanced Photovoltaic Performance and Device Stability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17401-17408	9.5	10
39	Synthesis of a naphthalenediimide-based cyclophane for controlling anion- π interactions. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 661-667	6.8	9
38	Direct Synthesis of Crystalline Graphtetrayne: A New Graphyne Allotrope. <i>CCS Chemistry</i> , 2021 , 3, 1368-1375	13.75	8
37	Crystalline porphyrin-based graphdiyne for electrochemical hydrogen and oxygen evolution reactions. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 4596-4603	7.8	8
36	Water-soluble host-guest fluorescent systems based on fluorophores and cucurbiturils with AIE or ACQ effects. <i>Dyes and Pigments</i> , 2021 , 189, 109267	4.6	7
35	Optical and electrical modulation in ultraviolet photodetectors based on organic one-dimensional photochromic arrays. <i>SmartMat</i> , 2021 , 2, 388-397	22.8	7
34	Scalable Single-Crystalline Organic 1D Arrays for Image Sensor. <i>Small</i> , 2021 , 17, e2100332	11	6
33	Synthesis of β -graphyne using dynamic covalent chemistry		6
32	Interfacial Synthesis of a Monolayered Fluorescent Two-Dimensional Polymer through Dynamic Imine Chemistry. <i>ChemistryOpen</i> , 2020 , 9, 381-385	2.3	5
31	Cooperativity in Highly Active Ethylene Dimerization by Dinuclear Nickel Complexes Bearing a Bifunctional PN Ligand. <i>Organometallics</i> , 2021 , 40, 184-193	3.8	5
30	Donor-Acceptor based two-dimensional covalent organic frameworks for near-infrared photothermal conversion. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6575-6581	7.8	5
29	Coumarin synthesis on β -acidic surfaces. <i>Supramolecular Chemistry</i> , 2015 , 27, 303-309	1.8	4
28	Solid-State Photodimerization of Azaanthracene Derivative Based on a [4+4] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 906-909	3	4
27	Capillary-Bridge Controlled Patterning of Stable Double-Perovskite Microwire Arrays for Non-toxic Photodetectors. <i>Frontiers in Chemistry</i> , 2020 , 8, 632	5	4
26	Donor-Acceptor Interactions Induced Interfacial Synthesis of an Ultrathin Fluoric 2D Polymer by Photochemical [2+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2021 , 27, 3661-3664	4.8	4
25	Three-Dimensional Covalent-Organic Frameworks Loaded with Highly Dispersed Ultrafine Palladium Nanoparticles as Efficient Heterogeneous Catalyst. <i>ChemNanoMat</i> , 2021 , 7, 95-99	3.5	4

24	Layered Metal-Halide Perovskite Single-Crystalline Microwire Arrays for Anisotropic Nonlinear Optics. <i>Advanced Functional Materials</i> , 2021 , 31, 2105855	15.6	3
23	Multifunctional Organic Single-Crystalline Microwire Arrays toward Optical Applications. <i>Advanced Functional Materials</i> , 2113025	15.6	2
22	Construction of tetraphenylethylene-based fluorescent hydrogen-bonded organic frameworks for detection of explosives. <i>Dyes and Pigments</i> , 2022 , 197, 109881	4.6	2
21	Single-crystal-to-single-crystal Transformations for the Preparation of Small Molecules, 1D and 2D Polymers Single Crystals. <i>Chemistry Letters</i> , 2021 , 50, 1015-1029	1.7	2
20	Single-crystal structure of two-dimensional organic framework based on donor-acceptor interactions with charge-transfer effect. <i>Science China Chemistry</i> , 2021 , 64, 1510-1514	7.9	2
19	Triazine-Based Conjugated Microporous Polymers for Efficient Hydrogen Production. <i>ACS Omega</i> , 2021 , 6, 23782-23787	3.9	2
18	Enolate Stabilization by Anion-Interactions: Deuterium Exchange in Malonate Dilactones on Acidic Surfaces. <i>Chemistry - A European Journal</i> , 2016 , 22, 2545-2545	4.8	1
17	Interfacial synthesis of ultrathin two-dimensional 2PbCO ₃ ·Pb(OH) ₂ nanosheets with high enzyme mimic catalytic activity. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 498-503	6.8	1
16	Innenrücktitelbild: Catalysis with Anion-Interactions (Angew. Chem. 38/2013). <i>Angewandte Chemie</i> , 2013 , 125, 10311-10311	3.6	1
15	Ultrasensitive Photodetectors Based on Strongly Interacted Layered-Perovskite Nanowires.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
14	Heteroatom Doped Graphdiyne and Analogues: Synthesis, Structures and Applications. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 1213-1223	2.2	1
13	Graphdiyne-Supported Atomic Catalysts: Synthesis and Applications. <i>ChemPlusChem</i> , 2020 , 85, 2570-2579	8	1
12	Tessellation strategy for the interfacial synthesis of an anthracene-based 2D polymer [4+4]-photocycloaddition. <i>Chemical Communications</i> , 2021 , 57, 5794-5797	5.8	1
11	Methane adsorption properties of N-doped graphdiyne: a first-principles study. <i>Structural Chemistry</i> , 2021 , 32, 1517-1527	1.8	1
10	High Interfacial-Energy and Lithiophilic Janus Interphase Enables Stable Lithium Metal Anodes. <i>Small</i> , 2021 , 17, e2102196	11	1
9	Single-crystal structures of cucurbituril-based supramolecular host-guest complexes for bioimaging. <i>Chemical Communications</i> , 2021 , 57, 10190-10193	5.8	1
8	Hierarchical Confined Assembly of Bilayer Heterostructures with Programmable Patterns	770-778	1
7	Lead-Free Chiral 2D Double Perovskite Microwire Arrays for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2022 , 10, 2102227	8.1	1

6	2D Covalent Organic Frameworks as Photocatalysts for Solar Energy Utilization.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200108	4.8	1
5	GDY Synthesis and Characterization 2022 , 79-123		0
4	Preparation of crystalline benzotrithiophene-based two-dimensional graphdiyne analogue. <i>2D Materials</i> , 2022 , 9, 014001	5.9	0
3	Configurational Selectivity Study of Two-dimensional Covalent Organic Frameworks Isomers Containing D2h and C2 Building Blocks. <i>Chemical Research in Chinese Universities</i> ,1	2.2	0
2	Enhanced cross-linking performances and carbon black (CB) dispersion in solution styrene butadiene rubber (SSBR) filled with triazine-based graphdiyne (TGDY). <i>Composites Science and Technology</i> , 2022 , 223, 109438	8.6	0
1	Donor-Acceptor Interactions Induced Interfacial Synthesis of an Ultrathin Fluoric 2D Polymer by Photochemical [2+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2021 , 27, 3574	4.8	