

# Yingjie Zhao

## List of Publications by Year in descending order

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99  
papers

4,850  
citations

94433

37  
h-index

102487

66  
g-index

109  
all docs

109  
docs citations

109  
times ranked

4601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. <i>Nature Communications</i> , 2018, 9, 5309.	12.8	287
2	Fully Conjugated Two-Dimensional sp <sup>2</sup> -Carbon Covalent Organic Frameworks as Artificial Photosystem...I with High Efficiency. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5376-5381.	13.8	230
3	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.	13.7	195
4	Anion-π Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 2101-2111.	13.7	178
5	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.	13.7	177
6	Catalysis with Anion-π Interactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9940-9943.	13.8	173
7	The Emergence of Anion-π Catalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 2255-2263.	15.6	165
8	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. <i>Advanced Materials</i> , 2018, 30, e1707082.	21.0	158
9	Ultrathin Nanosheet of Graphdiyne-Supported Palladium Atom Catalyst for Efficient Hydrogen Production. <i>IScience</i> , 2019, 11, 31-41.	4.1	149
10	Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2019, 31, e1803202.	21.0	136
11	Improved electron transport in MAPbI <sub>3</sub> perovskite solar cells based on dual doping graphdiyne. <i>Nano Energy</i> , 2018, 46, 331-337.	16.0	135
12	Interfacial Synthesis of Conjugated Two-Dimensional N-Graphdiyne. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 53-58.	8.0	124
13	Unorthodox Interactions at Work. <i>Journal of the American Chemical Society</i> , 2016, 138, 4270-4277.	13.7	123
14	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13897-13903.	13.8	123
15	Controlled Growth of MoS <sub>2</sub> Nanosheets on 2D N-Doped Graphdiyne Nanolayers for Highly Associated Effects on Water Reduction. <i>Advanced Functional Materials</i> , 2018, 28, 1707564.	14.9	119
16	Facile construction of fully sp <sup>2</sup> -carbon conjugated two-dimensional covalent organic frameworks containing benzobisthiazole units. <i>Nature Communications</i> , 2022, 13, 100.	12.8	107
17	Synthesis of 1 <sup>3</sup> -graphyne using dynamic covalent chemistry. , 2022, 1, 449-454.		106
18	Chiral 2D-Perovskite Nanowires for Stokes Photodetectors. <i>Journal of the American Chemical Society</i> , 2021, 143, 8437-8445.	13.7	91

#	ARTICLE	IF	CITATIONS
19	Preparation of N-Graphdiyne Nanosheets at Liquid/Liquid Interface for Photocatalytic NADH Regeneration. ACS Applied Materials & Interfaces, 2019, 11, 2740-2744.	8.0	89
20	Supramolecular Nanodiscs Self-Assembled from Non-Ionic Heptamethine Cyanine for Imaging-Guided Cancer Photothermal Therapy. Advanced Materials, 2020, 32, e1906711.	21.0	82
21	Selective acceleration of disfavored enolate addition reactions by anion-π interactions. Chemical Science, 2015, 6, 6219-6223.	7.4	69
22	Enolate chemistry with anion-π interactions. Nature Communications, 2014, 5, 3911.	12.8	68
23	Charge transfer co-crystals based on donor-acceptor interactions for near-infrared photothermal conversion. Chemical Communications, 2020, 56, 5223-5226.	4.1	62
24	Graphdiyne-Doped P3CT-K as an Efficient Hole-Transport Layer for MAPbI <sub>3</sub> Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 2626-2631.	8.0	61
25	Asymmetric Anion-π Catalysis: Enamine Addition to Nitroolefins on π-Acidic Surfaces. Journal of the American Chemical Society, 2015, 137, 11582-11585.	13.7	60
26	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. Journal of the American Chemical Society, 2019, 141, 48-52.	13.7	60
27	Rationally engineered active sites for efficient and durable hydrogen generation. Nature Communications, 2019, 10, 2281.	12.8	59
28	Fully Conjugated Two-Dimensional sp <sup>2</sup> -Carbon Covalent Organic Frameworks as Artificial Photosystem...I with High Efficiency. Angewandte Chemie, 2019, 131, 5430-5435.	2.0	59
29	Ultrafast Interweaving Graphdiyne Nanochain on Arbitrary Substrates and Its Performance as a Supercapacitor Electrode. ACS Applied Materials & Interfaces, 2019, 11, 2599-2607.	8.0	58
30	Bioinspired NADH Regeneration Based on Conjugated Photocatalytic Systems. Solar Rrl, 2021, 5, 2000339.	5.8	56
31	Selective and colorimetric fluoride anion chemosensor based on s-tetrazines. Dalton Transactions, 2012, 41, 13338.	3.3	52
32	Layered Perovskite Nanowires with Long-Range Orientational Order for Ultrasensitive Photodetectors. Advanced Materials, 2020, 32, e1905298.	21.0	49
33	Interfacial synthesis of crystalline two-dimensional cyano-graphdiyne. Chemical Communications, 2020, 56, 3210-3213.	4.1	44
34	Construction of Thiazolo[5,4-d]thiazole-based Two-Dimensional Network for Efficient Photocatalytic CO <sub>2</sub> Reduction. ACS Applied Materials & Interfaces, 2020, 12, 46483-46489.	8.0	43
35	Passive Mixing inside Microdroplets. Micromachines, 2018, 9, 160.	2.9	42
36	Enolate Stabilization by Anion-π Interactions: Deuterium Exchange in Malonate Dilactones on π-Acidic Surfaces. Chemistry - A European Journal, 2016, 22, 2648-2657.	3.3	41

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37	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.	13.7	41
38	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.	5.8	40
39	Construction of an interpenetrated structure of macrocycles. <i>Chemical Communications</i> , 2010, 46, 5698.	4.1	39
40	Anion-π interactions: From concept to application. <i>Chinese Chemical Letters</i> , 2018, 29, 261-266.	9.0	39
41	Spirobifluorene-Based Three-Dimensional Covalent Organic Frameworks with Rigid Topological Channels as Efficient Heterogeneous Catalyst. <i>CCS Chemistry</i> , 2021, 3, 2418-2427.	7.8	38
42	Fluorographdiyne: A Metal-Free Catalyst for Applications in Water Reduction and Oxidation. <i>Angewandte Chemie</i> , 2019, 131, 14035-14041.	2.0	34
43	Layered Metal-Halide Perovskite Single-Crystalline Microwire Arrays for Anisotropic Nonlinear Optics. <i>Advanced Functional Materials</i> , 2021, 31, 2105855.	14.9	30
44	Sulfur-rich Graphdiyne-Containing Electrochemical Active Tetrathiafulvalene for Highly Efficient Lithium Storage Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46070-46076.	8.0	29
45	Triptycene-based three-dimensional covalent organic frameworks with <i>b</i> topology of honeycomb structure. <i>Materials Chemistry Frontiers</i> , 2021, 5, 944-949.	5.9	26
46	Direct Synthesis of Crystalline Graphtetrayne—A New Graphyne Allotrope. <i>CCS Chemistry</i> , 2021, 3, 1368-1375.	7.8	26
47	Grain boundary passivation with triazine-graphdiyne to improve perovskite solar cell performance. <i>Science China Materials</i> , 2020, 63, 2465-2476.	6.3	26
48	Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1771-1780.	8.0	22
49	Construction of two-dimensional supramolecular nanostructure with aggregation-induced emission effect via host-guest interactions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1532-1537.	5.9	22
50	Confined Interfacial Synthesis of Highly Crystalline and Ultrathin Graphdiyne Films and Their Applications for N <sub>2</sub> Fixation. <i>Chemistry - A European Journal</i> , 2020, 26, 7801-7807.	3.3	22
51	Optical and electrical modulation in ultraviolet photodetectors based on organic one-dimensional photochromic arrays. <i>SmartMat</i> , 2021, 2, 388-397.	10.7	22
52	Self-assembly of indolocarbazole-containing macrocyclic molecules. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3923.	2.8	21
53	Three-Dimensional Covalent Organic Frameworks Loaded with Highly Dispersed Ultrafine Palladium Nanoparticles as Efficient Heterogeneous Catalyst. <i>ChemNanoMat</i> , 2021, 7, 95-99.	2.8	21
54	Lead-Free Chiral 2D Double Perovskite Microwire Arrays for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	21

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55	Electrochemical Energy Storage: Graphdiyne-Based Materials: Preparation and Application for Electrochemical Energy Storage (Adv. Mater. 42/2019). Advanced Materials, 2019, 31, 1970300.	21.0	20
56	A highly selective and active metal-free catalyst for ammonia production. Nanoscale Horizons, 2020, 5, 1274-1278.	8.0	20
57	Interfacial Synthesis of Conjugated Crystalline 2D Fluorescent Polymer Film Containing Aggregation-Induced Emission Unit. Small, 2019, 15, e1804519.	10.0	19
58	Big, Strong, Neutral, Twisted, and Chiral $\pi$ -Acids. Chemistry - A European Journal, 2015, 21, 6202-6207.	3.3	17
59	Sulfur-substituted perylene diimides: efficient tuning of LUMO levels and visible-light absorption via sulfur redox. Chemical Communications, 2019, 55, 13570-13573.	4.1	17
60	Donor-acceptor based two-dimensional covalent organic frameworks for near-infrared photothermal conversion. Materials Chemistry Frontiers, 2021, 5, 6575-6581.	5.9	17
61	Single-crystal-to-single-crystal Transformations for the Preparation of Small Molecules, 1D and 2D Polymers Single Crystals. Chemistry Letters, 2021, 50, 1015-1029.	1.3	17
62	Water-soluble host-guest fluorescent systems based on fluorophores and cucurbiturils with AIE or ACQ effects. Dyes and Pigments, 2021, 189, 109267.	3.7	17
63	2D Covalent Organic Frameworks as Photocatalysts for Solar Energy Utilization. Macromolecular Rapid Communications, 2022, 43, e2200108.	3.9	17
64	Construction of a functional [2]rotaxane with multilevel fluorescence responses. Organic and Biomolecular Chemistry, 2011, 9, 7500.	2.8	16
65	Cooperativity in Highly Active Ethylene Dimerization by Dinuclear Nickel Complexes Bearing a Bifunctional PN Ligand. Organometallics, 2021, 40, 184-193.	2.3	16
66	Crystalline porphyrin-based graphdiyne for electrochemical hydrogen and oxygen evolution reactions. Materials Chemistry Frontiers, 2021, 5, 4596-4603.	5.9	16
67	Scalable Single-Crystalline Organic 1D Arrays for Image Sensor. Small, 2021, 17, e2100332.	10.0	16
68	High Interfacial Energy and Lithiophilic Janus Interphase Enables Stable Lithium Metal Anodes. Small, 2021, 17, e2102196.	10.0	15
69	One-Pot Synthesis of Fully-Conjugated Chemically Stable Two-Dimensional Covalent Organic Framework. Chinese Journal of Chemistry, 2022, 40, 699-704.	4.9	14
70	Controllable Spatial Configuration on Cathode Interface for Enhanced Photovoltaic Performance and Device Stability. ACS Applied Materials & Interfaces, 2018, 10, 17401-17408.	8.0	11
71	Single-crystal structures of cucurbituril-based supramolecular host-guest complexes for bioimaging. Chemical Communications, 2021, 57, 10190-10193.	4.1	11
72	Construction of tetraphenylethylene-based fluorescent hydrogen-bonded organic frameworks for detection of explosives. Dyes and Pigments, 2022, 197, 109881.	3.7	11

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73	Synthesis of a naphthalenediimide-based cyclophane for controlling anion-arene interactions. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 661-667.	6.0	10
74	Triazine-Based Conjugated Microporous Polymers for Efficient Hydrogen Production. <i>ACS Omega</i> , 2021, 6, 23782-23787.	3.5	10
75	Capillary-Bridge Controlled Patterning of Stable Double-Perovskite Microwire Arrays for Non-toxic Photodetectors. <i>Frontiers in Chemistry</i> , 2020, 8, 632.	3.6	9
76	Multifunctional Organic Single-Crystalline Microwire Arrays toward Optical Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9
77	Preparation of a Large Amount of Ultrathin Graphdiyne. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	9
78	Ultrasensitive Photodetectors Based on Strongly Interacted Layered-Perovskite Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 1601-1608.	8.0	8
79	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.	7.8	8
80	Reversible phase transition for switchable second harmonic generation in 2D perovskite microwires. <i>SmartMat</i> , 2022, 3, 657-667.	10.7	8
81	Solid-State Photodimerization of Azaanthracene Derivative Based on a [4+4] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 906-909.	2.7	7
82	Interfacial Synthesis of a Monolayered Fluorescent Two-Dimensional Polymer through Dynamic Imine Chemistry. <i>ChemistryOpen</i> , 2020, 9, 381-385.	1.9	7
83	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.	3.3	7
84	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.	8.2	7
85	Heteroatom Doped Graphdiyne and Analogues: Synthesis, Structures and Applications. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1213-1223.	2.6	7
86	Template-Free Synthesis of an Interlocked Covalent Organic Molecular Cage. <i>Journal of Organic Chemistry</i> , 2022, 87, 2767-2772.	3.2	7
87	Graphdiyne-Supported Atomic Catalysts: Synthesis and Applications. <i>ChemPlusChem</i> , 2020, 85, 2570-2579.	2.8	6
88	Methane adsorption properties of N-doped graphdiyne: a first-principles study. <i>Structural Chemistry</i> , 2021, 32, 1517-1527.	2.0	6
89	Preparation of crystalline benzotrithiophene-based two-dimensional graphdiyne analogue. <i>2D Materials</i> , 2022, 9, 014001.	4.4	6
90	Regulating lithium deposition behavior by electrokinetic effects in a high-zeta-potential h-BN/zinc-lithium alloy for high-performance lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5221-5229.	10.3	6

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91	Coumarin synthesis on $\gamma$ -acidic surfaces. <i>Supramolecular Chemistry</i> , 2015, 27, 303-309.	1.2	4
92	Hierarchical Confined Assembly of Bilayer Heterostructures with Programmable Patterns. , 2022, 4, 770-778.		4
93	Tessellation strategy for the interfacial synthesis of an anthracene-based 2D polymer <i>via</i> [4+4]-photocycloaddition. <i>Chemical Communications</i> , 2021, 57, 5794-5797.	4.1	3
94	Configurational Selectivity Study of Two-dimensional Covalent Organic Frameworks Isomers Containing D <sub>2h</sub> and C <sub>2</sub> Building Blocks. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 639-642.	2.6	3
95	Enolate Stabilization by Anion- $\pi$ Interactions: Deuterium Exchange in Malonate Dilactones on $\gamma$ -Acidic Surfaces. <i>Chemistry - A European Journal</i> , 2016, 22, 2545-2545.	3.3	2
96	Innenr¼cktitelbild: Catalysis with Anion- $\pi$ Interactions ( <i>Angew. Chem.</i> 38/2013). <i>Angewandte Chemie</i> , 2013, 125, 10311-10311.	2.0	1
97	Interfacial synthesis of ultrathin two-dimensional 2PbCO <sub>3</sub> ·Pb(OH) <sub>2</sub> nanosheets with high enzyme mimic catalytic activity. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 498-503.	6.0	1
98	Donor- $\pi$ -Acceptor Interactions Induced Interfacial Synthesis of an Ultrathin Fluoric 2D Polymer by Photochemical [2+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2021, 27, 3574-3574.	3.3	0
99	Outside Back Cover: Volume 2 Issue 3. <i>SmartMat</i> , 2021, 2, ii.	10.7	0