

# Chenyu Wu

## List of Publications by Year in descending order

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29  
papers

1,805  
citations

361045

20  
h-index

500791

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1587  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.2	230
2	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.	6.6	195
3	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.	6.6	177
4	Interfacial Synthesis of Conjugated Two-Dimensional N-Graphdiyne. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 53-58.	4.0	124
5	Rational Design of Photocatalysts for Controlled Polymerization: Effect of Structures on Photocatalytic Activities. <i>Chemical Reviews</i> , 2022, 122, 5476-5518.	23.0	106
6	Synthesis of $\beta$ -graphyne using dynamic covalent chemistry. , 2022, 1, 449-454.		106
7	Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. <i>Macromolecules</i> , 2019, 52, 236-248.	2.2	105
8	Computer-Guided Discovery of a pH-Responsive Organic Photocatalyst and Application for pH and Light Dual-Gated Polymerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 8207-8220.	6.6	89
9	Charge transfer co-crystals based on donor-acceptor interactions for near-infrared photothermal conversion. <i>Chemical Communications</i> , 2020, 56, 5223-5226.	2.2	62
10	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 48-52.	6.6	60
11	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.	1.6	59
12	Chlorophyll a crude extract: efficient photo-degradable photocatalyst for PET-RAFT polymerization. <i>Chemical Communications</i> , 2017, 53, 12560-12563.	2.2	58
13	Unravelling an oxygen-mediated reductive quenching pathway for photopolymerisation under long wavelengths. <i>Nature Communications</i> , 2021, 12, 478.	5.8	54
14	A Process for Well-Defined Polymer Synthesis through Textile Dyeing Inspired Catalyst Immobilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15245-15253.	3.2	52
15	An Oxygen Paradox: Catalytic Use of Oxygen in Radical Photopolymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16811-16814.	7.2	48
16	Interfacial synthesis of crystalline two-dimensional cyano-graphdiyne. <i>Chemical Communications</i> , 2020, 56, 3210-3213.	2.2	44
17	Spirobifluorene-Based Three-Dimensional Covalent Organic Frameworks with Rigid Topological Channels as Efficient Heterogeneous Catalyst. <i>CCS Chemistry</i> , 2021, 3, 2418-2427.	4.6	38
18	Sulfur-rich Graphdiyne-Containing Electrochemical Active Tetrathiafulvalene for Highly Efficient Lithium Storage Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46070-46076.	4.0	29

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19	Triptycene-based three-dimensional covalent organic frameworks with <i>b</i> topology of honeycomb structure. <i>Materials Chemistry Frontiers</i> , 2021, 5, 944-949.	3.2	26
20	Selective Photoactivation of Trithiocarbonates Mediated by Metal Naphthalocyanines and Overcoming Activation Barriers Using Thermal Energy. <i>Journal of the American Chemical Society</i> , 2022, 144, 995-1005.	6.6	26
21	Construction of two-dimensional supramolecular nanostructure with aggregation-induced emission effect <i>via</i> host-guest interactions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1532-1537.	3.2	22
22	A highly selective and active metal-free catalyst for ammonia production. <i>Nanoscale Horizons</i> , 2020, 5, 1274-1278.	4.1	20
23	Interfacial Synthesis of Conjugated Crystalline 2D Fluorescent Polymer Film Containing Aggregation-Induced Emission Unit. <i>Small</i> , 2019, 15, e1804519.	5.2	19
24	Sulfur-substituted perylene diimides: efficient tuning of LUMO levels and visible-light absorption <i>via</i> sulfur redox. <i>Chemical Communications</i> , 2019, 55, 13570-13573.	2.2	17
25	An Oxygen Paradox: Catalytic Use of Oxygen in Radical Photopolymerization. <i>Angewandte Chemie</i> , 2019, 131, 16967-16970.	1.6	15
26	Screening RAFT agents and photocatalysts to mediate PET-RAFT polymerization using a high throughput approach. <i>Polymer Chemistry</i> , 2021, 12, 6548-6560.	1.9	15
27	Graphdiyne-Supported Atomic Catalysts: Synthesis and Applications. <i>ChemPlusChem</i> , 2020, 85, 2570-2579.	1.3	6
28	Tuning Catalyst-Free Photocontrolled Polymerization by Substitution: A Quantitative and Qualitative Interpretation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3290-3296.	2.1	2
29	Interfacial synthesis of ultrathin two-dimensional $2\text{PbCO}_3 \cdot \text{Pb}(\text{OH})_2$ nanosheets with high enzyme mimic catalytic activity. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 498-503.	3.0	1