

Zhi-An Lan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

5,011
citations

304602

22
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

5130
citing authors

#	ARTICLE	IF	CITATIONS
1	Overall water splitting by Pt/g-C ₃ N ₄ photocatalysts without using sacrificial agents. <i>Chemical Science</i> , 2016, 7, 3062-3066.	3.7	835
2	Conjugated Polymers: Catalysts for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15712-15727.	7.2	703
3	Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13445-13449.	7.2	536
4	A facile synthesis of Br-modified g-C ₃ N ₄ semiconductors for photoredox water splitting. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 116-125.	10.8	460
5	2D sp ² Carbon-Conjugated Covalent Organic Frameworks for Photocatalytic Hydrogen Production from Water. <i>CheM</i> , 2019, 5, 1632-1647.	5.8	408
6	Surface engineering of graphitic carbon nitride polymers with cocatalysts for photocatalytic overall water splitting. <i>Chemical Science</i> , 2017, 8, 5261-5274.	3.7	299
7	Photocatalytic Oxygen Evolution from Functional Triazine-Based Polymers with Tunable Band Structures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 470-474.	7.2	278
8	Reducing the Exciton Binding Energy of Donor-Acceptor-Based Conjugated Polymers to Promote Charge-Induced Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10236-10240.	7.2	278
9	Conjugated donor-acceptor polymer photocatalysts with electron-output "tentacles" for efficient hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 596-603.	10.8	187
10	Substantial Cyano-Substituted Fully sp ² Carbon-Linked Framework: Metal-Free Approach and Visible-Light-Driven Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017, 27, 1703146.	7.8	138
11	Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. <i>Angewandte Chemie</i> , 2017, 129, 13630-13634.	1.6	135
12	Konjugierte Polymere: Katalysatoren für die photokatalytische Wasserstoffentwicklung. <i>Angewandte Chemie</i> , 2016, 128, 15940-15956.	1.6	110
13	Ultrafine Cobalt Catalysts on Covalent Carbon Nitride Frameworks for Oxygenic Photosynthesis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2287-2296.	4.0	103
14	Cobalt selenide: a versatile cocatalyst for photocatalytic water oxidation with visible light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17946-17950.	5.2	96
15	A Fully Coplanar Donor-Acceptor Polymeric Semiconductor with Promoted Charge Separation Kinetics for Photochemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16355-16359.	7.2	94
16	Photocatalytic Oxygen Evolution from Functional Triazine-Based Polymers with Tunable Band Structures. <i>Angewandte Chemie</i> , 2018, 130, 479-483.	1.6	75
17	Ionothermal Synthesis of Covalent Triazine Frameworks in a NaCl-KCl-ZnCl ₂ Eutectic Salt for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	67
18	Enhancement of photocatalytic H ₂ evolution on pyrene-based polymer promoted by MoS ₂ and visible light. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 102-111.	10.8	55

#	ARTICLE	IF	CITATIONS
19	Merging Surface Organometallic Chemistry with Graphitic Carbon Nitride Photocatalysis for CO ₂ Photofixation. ChemCatChem, 2015, 7, 1422-1423.	1.8	33
20	Molecular Design of Covalent Triazine Frameworks with Anisotropic Charge Migration for Photocatalytic Hydrogen Production. Small, 2022, 18, e2200129.	5.2	33
21	Reducing the Exciton Binding Energy of Donor-Acceptor-Based Conjugated Polymers to Promote Charge-Induced Reactions. Angewandte Chemie, 2019, 131, 10342-10346.	1.6	32
22	Thermal annealing-induced structural reorganization in polymeric photocatalysts for enhanced hydrogen evolution. Chemical Communications, 2019, 55, 7756-7759.	2.2	29
23	Organic dyes with multi-branched structures for highly efficient photocatalytic hydrogen evolution under visible-light irradiation. Applied Catalysis B: Environmental, 2022, 309, 121257.	10.8	11
24	Ionothermal Synthesis of Covalent Triazine Frameworks in a NaCl-KCl-ZnCl ₂ Eutectic Salt for the Hydrogen Evolution Reaction. Angewandte Chemie, 2022, 134, .	1.6	7
25	A Fully Coplanar Donor-Acceptor Polymeric Semiconductor with Promoted Charge Separation Kinetics for Photochemistry. Angewandte Chemie, 2021, 133, 16491-16495.	1.6	6
26	A Dinuclear Cobalt Cryptate as a Photocatalyst for Highly Efficient Visible-Light Driven CO ₂ Reduction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 457-457.	2.2	3