Xing Ding

List of Publications by Year in descending order

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35 papers	3,147 citations	236925 25 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	3636 citing authors

#	Article	IF	Citations
1	Lightâ€Switchable Oxygen Vacancies in Ultrafine Bi₅O₇Br Nanotubes for Boosting Solarâ€Driven Nitrogen Fixation in Pure Water. Advanced Materials, 2017, 29, 1701774.	21.0	533
2	Enhanced Photocatalytic Removal of Sodium Pentachlorophenate with Self-Doped Bi₂WO₆ under Visible Light by Generating More Superoxide Ions. Environmental Science & Technology, 2014, 48, 5823-5831.	10.0	239
3	A plate-on-plate sandwiched Z-scheme heterojunction photocatalyst: BiOBr-Bi 2 MoO 6 with enhanced photocatalytic performance. Applied Surface Science, 2017, 391, 194-201.	6.1	238
4	Oxygen vacancy boosted photocatalytic decomposition of ciprofloxacin over Bi2MoO6: Oxygen vacancy engineering, biotoxicity evaluation and mechanism study. Journal of Hazardous Materials, 2019, 364, 691-699.	12.4	226
5	Oxygen vacancies induced special CO2 adsorption modes on Bi2MoO6 for highly selective conversion to CH4. Applied Catalysis B: Environmental, 2019, 259, 118088.	20.2	221
6	Controlling Monomer Feeding Rate to Achieve Highly Crystalline Covalent Triazine Frameworks. Advanced Materials, 2019, 31, e1807865.	21.0	158
7	Self doping promoted photocatalytic removal of no under visible light with bi2moo6: Indispensable role of superoxide ions. Applied Catalysis B: Environmental, 2016, 182, 316-325.	20.2	157
8	Intermolecular cascaded Ï€-conjugation channels for electron delivery powering CO2 photoreduction. Nature Communications, 2020, 11, 1149.	12.8	147
9	In Situ Carbon Homogeneous Doping on Ultrathin Bismuth Molybdate: A Dualâ€Purpose Strategy for Efficient Molecular Oxygen Activation. Advanced Functional Materials, 2017, 27, 1703923.	14.9	136
10	Constructing electron delocalization channels in covalent organic frameworks powering CO2 photoreduction in water. Applied Catalysis B: Environmental, 2020, 274, 119096.	20.2	113
11	Conjugated Polymers with Sequential Fluorination for Enhanced Photocatalytic H₂ Evolution via Proton-Coupled Electron Transfer. ACS Energy Letters, 2018, 3, 2544-2549.	17.4	109
12	Insight into the effect of bromine on facet-dependent surface oxygen vacancies construction and stabilization of Bi2MoO6 for efficient photocatalytic NO removal. Applied Catalysis B: Environmental, 2020, 265, 118585.	20.2	96
13	Conjugated microporous poly(benzothiadiazole)/TiO2 heterojunction for visible-light-driven H2 production and pollutant removal. Applied Catalysis B: Environmental, 2017, 203, 563-571.	20.2	94
14	Synthesis of 1,4-diethynylbenzene-based conjugated polymer photocatalysts and their enhanced visible/near-infrared-light-driven hydrogen production activity. Journal of Catalysis, 2017, 350, 64-71.	6.2	85
15	Fe@Fe 2 O 3 promoted electrochemical mineralization of atrazine via a triazinon ring opening mechanism. Water Research, 2017, 112, 9-18.	11.3	84
16	Novel in situ fabrication of conjugated microporous poly(benzothiadiazole)â€“Bi2MoO6 Z-scheme heterojunction with enhanced visible light photocatalytic activity. Journal of Catalysis, 2017, 345, 319-328.	6.2	71
17	Efficient visible light driven photocatalytic removal of NO with aerosol flow synthesized B, N-codoped TiO2 hollow spheres. Journal of Hazardous Materials, 2011, 190, 604-612.	12.4	58
18	Highly Intensified Molecular Oxygen Activation on Bi@Bi₂MoO₆ via a Metallic Bi-Coordinated Facet-Dependent Effect. ACS Applied Materials & Interfaces, 2020, 12, 1867-1876.	8.0	54

#	Article	IF	Citations
19	Deep insight into ROS mediated direct and hydroxylated dichlorination process for efficient photocatalytic sodium pentachlorophenate mineralization. Applied Catalysis B: Environmental, 2021, 296, 120352.	20.2	42
20	Simple fabrication of Fe₃O₄/C/g-C₃N₄ two-dimensional composite by hydrothermal carbonization approach with enhanced photocatalytic performance under visible light. Catalysis Science and Technology, 2018, 8, 3484-3492.	4.1	32
21	Surface plasmon resonance-induced visible-light photocatalytic performance of silver/silver molybdate composites. Chinese Journal of Catalysis, 2017, 38, 260-269.	14.0	31
22	Highly efficient visible light induced photocatalytic activity of a novel in situ synthesized conjugated microporous poly(benzothiadiazole)â€“C₃N₄ composite. Catalysis Science and Technology, 2017, 7, 418-426.	4.1	30
23	Design of a visible light driven photo-electrochemical/electro-Fenton coupling oxidation system for wastewater treatment. Journal of Hazardous Materials, 2012, 239-240, 233-240.	12.4	29
24	Insights into the Surface/Interface Modifications of Bi₂MoO₆: Feasible Strategies and Photocatalytic Applications. Solar Rrl, 2021, 5, 2000442.	5.8	29
25	A dual-cell wastewater treatment system with combining anodic visible light driven photoelectro-catalytic oxidation and cathodic electro-Fenton oxidation. Separation and Purification Technology, 2014, 125, 103-110.	7.9	25
26	Molecular structure design of conjugated microporous poly(dibenzo[b,d]thiophene 5,5-dioxide) for optimized photocatalytic NO removal. Journal of Catalysis, 2018, 357, 188-194.	6.2	25
27	Targeted removal of interfacial adventitious carbon towards directional charge delivery to isolated metal sites for efficient photocatalytic H2 production. Nano Energy, 2020, 76, 105077.	16.0	24
28	Iodine-doping-assisted tunable introduction of oxygen vacancies on bismuth tungstate photocatalysts for highly efficient molecular oxygen activation and pentachlorophenol mineralization. Chinese Journal of Catalysis, 2020, 41, 1544-1553.	14.0	17
29	Chloridion-induced dual tunable fabrication of oxygen-deficient Bi2WO6 atomic layers for deep oxidation of NO. Chinese Journal of Catalysis, 2021, 42, 1013-1023.	14.0	17
30	Pyrene-Based Conjugated Polymer/Bi2MoO6 Z-Scheme Hybrids: Facile Construction and Sustainable Enhanced Photocatalytic Performance in Ciprofloxacin and Cr(VI) Removal under Visible Light Irradiation. Catalysts, 2018, 8, 185.	3.5	9
31	Insight into surface hydroxyl groups for environmental purification: characterizations, applications and advances. Surfaces and Interfaces, 2021, 25, 101272.	3.0	7
32	H₃BO₃-Induced Formation of Metal Oxide Hollow Spheres in Flowing Aerosols. Journal of Physical Chemistry C, 2009, 113, 5455-5459.	3.1	4
33	Superoxide anion and singlet oxygen dominated faster photocatalytic elimination of nitric oxide over defective bismuth molybdates heterojunctions. Journal of Colloid and Interface Science, 2022, 618, 248-258.	9.4	4
34	Photocatalysis: Lightâ€Switchable Oxygen Vacancies in Ultrafine Bi₅O₇Br Nanotubes for Boosting Solarâ€Driven Nitrogen Fixation in Pure Water (Adv. Mater. 31/2017). Advanced Materials, 2017, 29, .	21.0	2
35	Continuously tuning the hydrogen evolution activity of MoS2 through sodium ions insertion. Electrochimica Acta, 2021, 369, 137686.	5.2	1