Tongming Su

List of Publications by Year in descending order

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35 papers	3,126 citations	279798 23 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	3995 citing authors

#	Article	IF	Citations
1	Role of Interfaces in Two-Dimensional Photocatalyst for Water Splitting. ACS Catalysis, 2018, 8, 2253-2276.	11.2	773
2	Flexible polydimethylsiloxane/multi-walled carbon nanotubes membranous metacomposites with negative permittivity. Polymer, 2017, 125, 50-57.	3.8	379
3	Oneâ€Step Synthesis of Nb₂O₅/C/Nb₂C (MXene) Composites and Their Use as Photocatalysts for Hydrogen Evolution. ChemSusChem, 2018, 11, 688-699.	6.8	315
4	2D/2D heterojunction of Ti₃C₂/g-C₃N₄ nanosheets for enhanced photocatalytic hydrogen evolution. Nanoscale, 2019, 11, 8138-8149.	5.6	289
5	Monolayer Ti₃C₂T_x as an Effective Co-catalyst for Enhanced Photocatalytic Hydrogen Production over TiO₂. ACS Applied Energy Materials, 2019, 2, 4640-4651.	5.1	177
6	Sulfur Vacancy and Ti₃C₂T_x Cocatalyst Synergistically Boosting Interfacial Charge Transfer in 2D/2D Ti₃C₂T_x/ZnIn₂S₄ Heterostructure for Enhanced Photocatalytic Hydrogen Evolution. Advanced Science, 2022, 9, e2103715.	11.2	120
7	CuO-Fe2O3-CeO2/HZSM-5 bifunctional catalyst hydrogenated CO2 for enhanced dimethyl ether synthesis. Chemical Engineering Science, 2016, 153, 10-20.	3.8	84
8	Effects of Surface Terminations of 2D Bi₂WO₆ on Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 20067-20074.	8.0	78
9	Preparation and characterization of Cu modified BiYO3 for carbon dioxide reduction to formic acid. Applied Catalysis B: Environmental, 2017, 202, 364-373.	20.2	74
10	Co3O4/CdS p-n heterojunction for enhancing photocatalytic hydrogen production: Co-S bond as a bridge for electron transfer. Applied Surface Science, 2021, 567, 150849.	6.1	73
11	Polyethyleneimine modified activated carbon for adsorption of Cd(II) in aqueous solution. Journal of Environmental Chemical Engineering, 2019, 7, 103183.	6.7	70
12	An overview of photocatalysis facilitated by 2D heterojunctions. Nanotechnology, 2019, 30, 502002.	2.6	66
13	In situ DRIFTS study of O 3 adsorption on CaO, Î³-Al 2 O 3 , CuO, Î±-Fe 2 O 3 and ZnO at room temperature for the catalytic ozonation of cinnamaldehyde. Applied Surface Science, 2017, 412, 290-305.	6.1	65
14	The enhancement of photocatalytic CO₂ reduction by the in situ growth of TiO₂ on Ti₃C₂ MXene. Catalysis Science and Technology, 2021, 11, 1602-1614.	4.1	65
15	CO2 reforming of CH4 to syngas over nickel-based catalysts. Environmental Chemistry Letters, 2020, 18, 997-1017.	16.2	57
16	Density functional theory study on the interaction of CO2 with Fe3O4(111) surface. Applied Surface Science, 2016, 378, 270-276.	6.1	49
17	TiO2/BiYO3 composites for enhanced photocatalytic hydrogen production. Journal of Alloys and Compounds, 2020, 836, 155428.	5.5	42
18	Surface engineering of MXenes for energy and environmental applications. Journal of Materials Chemistry A, 2022, 10, 10265-10296.	10.3	41

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19	CO2 methanation on Co/TiO2 catalyst: Effects of Y on the support. Chemical Engineering Science, 2019, 210, 115245.	3.8	36
20	Soft template inducted hydrothermal BiYO₃ catalysts for enhanced formic acid formation from the photocatalytic reduction of carbon dioxide. RSC Advances, 2016, 6, 52665-52673.	3.6	32
21	Mechanically activated starch magnetic microspheres for Cd(II) adsorption from aqueous solution. Chinese Journal of Chemical Engineering, 2021, 33, 40-49.	3.5	29
22	Mn Modified Ni/Bsentonite for CO2 Methanation. Catalysts, 2018, 8, 646.	3.5	27
23	Construction of 2D BiVO₄â^'CdSâ^'Ti₃C₂T_x Heterostructures for Enhanced Photoâ€redox Activities. ChemCatChem, 2020, 12, 3496-3503.	3.7	25
24	Spontaneous reduction of copper on Ti3C2Tx as fast electron transport channels and active sites for enhanced photocatalytic CO2 reduction. Chemical Engineering Journal, 2022, 446, 137028.	12.7	24
25	gâ€C₃N₄/BiYO₃ Composite for Photocatalytic Hydrogen Evolution. ChemistrySelect, 2018, 3, 5891-5899.	1.5	21
26	Coke-resistant Ni-based bimetallic catalysts for the dry reforming of methane: effects of indium on the Ni/Al₂O₃catalyst. Catalysis Science and Technology, 2022, 12, 4826-4836.	4.1	21
27	The Adsorption of Ozone on the Solid Catalyst Surface and the Catalytic Reaction Mechanism for Organic Components. ChemistrySelect, 2020, 5, 15092-15116.	1.5	18
28	Intrinsic Kinetics of Dimethyl Ether Synthesis from Plasma Activation of CO₂ Hydrogenation over Cuâ€"Feâ€"Ce/HZSMâ€5. ChemPhysChem, 2017, 18, 299-309.	2.1	15
29	Biâ€, Yâ€Codoped TiO2 for Carbon Dioxide Photocatalytic Reduction to Formic Acid under Visible Light Irradiation. Chinese Journal of Chemistry, 2018, 36, 538-544.	4.9	15
30	PEI modified magnetic porous cassava residue microspheres for adsorbing Cd(II) from aqueous solution. European Polymer Journal, 2021, 159, 110741.	5.4	12
31	Catalytic ozonation of cinnamaldehyde to benzaldehyde over CaO: Experiments and intrinsic kinetics. AIChE Journal, 2017, 63, 4403-4417.	3.6	11
32	Ni/CeO₂ prepared by improved polyol method for DRM with highly dispersed Ni. , 2021, 11, 1245-1264.		8
33	Zr-Modified ZnO for the Selective Oxidation of Cinnamaldehyde to Benzaldehyde. Catalysts, 2019, 9, 716.	3.5	4
34	Ba-modified Ni-P amorphous alloy/acidified bentonite catalyst: preparation and the catalytic hydrogenation of nitrobenzene to aniline. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 805-818.	1.7	3
35	Catalytic Ozonation of Cinnamaldehyde to Benzaldehyde over Ca(OH)₂. ChemistrySelect, 2021, 6, 5052-5060.	1.5	2