

# 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	Sulfur Vacancy and $\text{Ti}_3\text{C}_2\text{T}_x$ Cocatalyst Synergistically Boosting Interfacial Charge Transfer in 2D/2D $\text{Ti}_3\text{C}_2\text{T}_x/\text{ZnIn}_2\text{S}_4$ Heterostructure for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Science</i> , 2022, 9, e2103715.	11.2	120
2	Surface engineering of MXenes for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10265-10296.	10.3	41
3	Spontaneous reduction of copper on $\text{Ti}_3\text{C}_2\text{T}_x$ as fast electron transport channels and active sites for enhanced photocatalytic $\text{CO}_2$ reduction. <i>Chemical Engineering Journal</i> , 2022, 446, 137028.	12.7	24
4	Coke-resistant Ni-based bimetallic catalysts for the dry reforming of methane: effects of indium on the $\text{Ni}/\text{Al}_2\text{O}_3$ catalyst. <i>Catalysis Science and Technology</i> , 2022, 12, 4826-4836.	4.1	21
5	Mechanically activated starch magnetic microspheres for Cd(II) adsorption from aqueous solution. <i>Chinese Journal of Chemical Engineering</i> , 2021, 33, 40-49.	3.5	29
6	The enhancement of photocatalytic $\text{CO}_2$ reduction by the <i>in situ</i> growth of $\text{TiO}_2$ on $\text{Ti}_3\text{C}_2\text{MXene}$ . <i>Catalysis Science and Technology</i> , 2021, 11, 1602-1614.	4.1	65
7	Catalytic Ozonation of Cinnamaldehyde to Benzaldehyde over $\text{Ca}(\text{OH})_2$ . <i>ChemistrySelect</i> , 2021, 6, 5052-5060.	1.5	2
8	PEI modified magnetic porous cassava residue microspheres for adsorbing Cd(II) from aqueous solution. <i>European Polymer Journal</i> , 2021, 159, 110741.	5.4	12
9	$\text{Co}_3\text{O}_4/\text{CdS}$ p-n heterojunction for enhancing photocatalytic hydrogen production: Co-S bond as a bridge for electron transfer. <i>Applied Surface Science</i> , 2021, 567, 150849.	6.1	73
10	$\text{Ni}/\text{CeO}_2$ prepared by improved polyol method for DRM with highly dispersed Ni. , 2021, 11, 1245-1264.		8
11	Ba-modified Ni-P amorphous alloy/acidified bentonite catalyst: preparation and the catalytic hydrogenation of nitrobenzene to aniline. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 805-818.	1.7	3
12	The Adsorption of Ozone on the Solid Catalyst Surface and the Catalytic Reaction Mechanism for Organic Components. <i>ChemistrySelect</i> , 2020, 5, 15092-15116.	1.5	18
13	Construction of 2D $\text{BiVO}_4 \sim \text{CdS} \sim \text{Ti}_3\text{C}_2\text{T}_x$ Heterostructures for Enhanced Photo- $\epsilon$ redox Activities. <i>ChemCatChem</i> , 2020, 12, 3496-3503.	3.7	25
14	$\text{TiO}_2/\text{BiYO}_3$ composites for enhanced photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155428.	5.5	42
15	$\text{CO}_2$ reforming of $\text{CH}_4$ to syngas over nickel-based catalysts. <i>Environmental Chemistry Letters</i> , 2020, 18, 997-1017.	16.2	57
16	Effects of Surface Terminations of 2D $\text{Bi}_2\text{WO}_6$ on Photocatalytic Hydrogen Evolution from Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20067-20074.	8.0	78
17	$\text{CO}_2$ methanation on $\text{Co}/\text{TiO}_2$ catalyst: Effects of Y on the support. <i>Chemical Engineering Science</i> , 2019, 210, 115245.	3.8	36
18	Zr-Modified ZnO for the Selective Oxidation of Cinnamaldehyde to Benzaldehyde. <i>Catalysts</i> , 2019, 9, 716.	3.5	4

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19	An overview of photocatalysis facilitated by 2D heterojunctions. <i>Nanotechnology</i> , 2019, 30, 502002.	2.6	66
20	Polyethyleneimine modified activated carbon for adsorption of Cd(II) in aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103183.	6.7	70
21	Monolayer $\text{Ti}_3\text{C}_2$ as an Effective Co-catalyst for Enhanced Photocatalytic Hydrogen Production over $\text{TiO}_2$ . <i>ACS Applied Energy Materials</i> , 2019, 2, 4640-4651.	5.1	177
22	2D/2D heterojunction of $\text{Ti}_3\text{C}_2/\text{g-C}_3\text{N}_4$ nanosheets for enhanced photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2019, 11, 8138-8149.	5.6	289
23	Bi <sup>3+</sup> , Y <sup>3+</sup> -Codoped $\text{TiO}_2$ for Carbon Dioxide Photocatalytic Reduction to Formic Acid under Visible Light Irradiation. <i>Chinese Journal of Chemistry</i> , 2018, 36, 538-544.	4.9	15
24	Role of Interfaces in Two-Dimensional Photocatalyst for Water Splitting. <i>ACS Catalysis</i> , 2018, 8, 2253-2276.	11.2	773
25	One-Step Synthesis of $\text{Nb}_2\text{O}_5/\text{C}/\text{Nb}_2\text{C}$ (MXene) Composites and Their Use as Photocatalysts for Hydrogen Evolution. <i>ChemSusChem</i> , 2018, 11, 688-699.	6.8	315
26	Mn Modified Ni/Bsentonite for $\text{CO}_2$ Methanation. <i>Catalysts</i> , 2018, 8, 646.	3.5	27
27	$\text{g-C}_3\text{N}_4/\text{BiYO}_3$ Composite for Photocatalytic Hydrogen Evolution. <i>ChemistrySelect</i> , 2018, 3, 5891-5899.	1.5	21
28	Catalytic ozonation of cinnamaldehyde to benzaldehyde over CaO: Experiments and intrinsic kinetics. <i>AIChE Journal</i> , 2017, 63, 4403-4417.	3.6	11
29	Intrinsic Kinetics of Dimethyl Ether Synthesis from Plasma Activation of $\text{CO}_2$ Hydrogenation over $\text{Cu}^{\delta+}\text{Fe}^{\delta+}\text{Ce}/\text{HZSM-5}$ . <i>ChemPhysChem</i> , 2017, 18, 299-309.	2.1	15
30	In situ DRIFTS study of $\text{O}_3$ adsorption on $\text{CaO}$ , $\gamma\text{-Al}_2\text{O}_3$ , $\text{CuO}$ , $\gamma\text{-Fe}_2\text{O}_3$ and $\text{ZnO}$ at room temperature for the catalytic ozonation of cinnamaldehyde. <i>Applied Surface Science</i> , 2017, 412, 290-305.	6.1	65
31	Flexible polydimethylsiloxane/multi-walled carbon nanotubes membranous metacomposites with negative permittivity. <i>Polymer</i> , 2017, 125, 50-57.	3.8	379
32	Preparation and characterization of Cu modified $\text{BiYO}_3$ for carbon dioxide reduction to formic acid. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 364-373.	20.2	74
33	Density functional theory study on the interaction of $\text{CO}_2$ with $\text{Fe}_3\text{O}_4(111)$ surface. <i>Applied Surface Science</i> , 2016, 378, 270-276.	6.1	49
34	$\text{CuO-Fe}_2\text{O}_3\text{-CeO}_2/\text{HZSM-5}$ bifunctional catalyst hydrogenated $\text{CO}_2$ for enhanced dimethyl ether synthesis. <i>Chemical Engineering Science</i> , 2016, 153, 10-20.	3.8	84
35	Soft template induced hydrothermal $\text{BiYO}_3$ catalysts for enhanced formic acid formation from the photocatalytic reduction of carbon dioxide. <i>RSC Advances</i> , 2016, 6, 52665-52673.	3.6	32