

# Ting Xiong

## List of Publications by Year in descending order

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71  
papers

8,476  
citations

61984

43  
h-index

91884

69  
g-index

71  
all docs

71  
docs citations

71  
times ranked

9006  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Construction of g-C <sub>3</sub> N <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Metal-Free Heterojunction for Enhanced Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2013, 5, 11392-11401.	8.0	1,102
2	Bridging the g-C <sub>3</sub> N <sub>4</sub> Interlayers for Enhanced Photocatalysis. ACS Catalysis, 2016, 6, 2462-2472.	11.2	869
3	Defect Engineering of Oxygen-Deficient Manganese Oxide to Achieve High-Performing Aqueous Zinc Ion Battery. Advanced Energy Materials, 2019, 9, 1803815.	19.5	504
4	In-situ synthesis of direct solid-state dual Z-scheme WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> O <sub>3</sub> photocatalyst for the degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 227, 376-385.	20.2	495
5	Visible-light-driven removal of tetracycline antibiotics and reclamation of hydrogen energy from natural water matrices and wastewater by polymeric carbon nitride foam. Water Research, 2018, 144, 215-225.	11.3	481
6	A semimetal bismuth element as a direct plasmonic photocatalyst. Chemical Communications, 2014, 50, 10386-10389.	4.1	282
7	Effect of high intensity ultrasound on structure and foaming properties of pea protein isolate. Food Research International, 2018, 109, 260-267.	6.2	249
8	Defect Engineering in Manganese-Based Oxides for Aqueous Rechargeable Zinc-Ion Batteries: A Review. Advanced Energy Materials, 2020, 10, 2001769.	19.5	249
9	Structure Architecting for Salt-Rejecting Solar Interfacial Desalination to Achieve High-Performance Evaporation With In Situ Energy Generation. Advanced Science, 2020, 7, 1903478.	11.2	224
10	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. Advanced Energy Materials, 2018, 8, 1702630.	19.5	201
11	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. Journal of Catalysis, 2016, 344, 401-410.	6.2	172
12	Manipulating unidirectional fluid transportation to drive sustainable solar water extraction and brine-drenching induced energy generation. Energy and Environmental Science, 2020, 13, 4891-4902.	30.8	162
13	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2D-2D heterostructures. Chemical Communications, 2015, 51, 8249-8252.	4.1	145
14	Growth of BiOBr nanosheets on C <sub>3</sub> N <sub>4</sub> nanosheets to construct two-dimensional nanojunctions with enhanced photoreactivity for NO removal. Journal of Colloid and Interface Science, 2014, 418, 317-323.	9.4	136
15	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. Journal of Catalysis, 2017, 352, 102-112.	6.2	135
16	Three dimensional Z-scheme (BiO) <sub>2</sub> CO <sub>3</sub> /MoS <sub>2</sub> with enhanced visible light photocatalytic NO removal. Applied Catalysis B: Environmental, 2016, 199, 87-95.	20.2	133
17	Guaranteeing Complete Salt Rejection by Channeling Saline Water through Fluidic Photothermal Structure toward Synergistic Zero Energy Clean Water Production and <i>In Situ</i> Energy Generation. ACS Energy Letters, 2020, 5, 3397-3404.	17.4	129
18	KCl-mediated dual electronic channels in layered g-C <sub>3</sub> N <sub>4</sub> for enhanced visible light photocatalytic NO removal. Nanoscale, 2018, 10, 8066-8074.	5.6	126

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19	Highly efficient visible-light-induced photoactivity of Z-scheme Ag <sub>2</sub> CO <sub>3</sub> /Ag/WO <sub>3</sub> photocatalysts for organic pollutant degradation. <i>Environmental Science: Nano</i> , 2017, 4, 2175-2185.	4.3	121
20	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , 2019, 15, e1803088.	10.0	111
21	In situ synthesis of a C-doped (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical self-assembly effectively promoting visible light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6118-6127.	10.3	103
22	Improving g-C <sub>3</sub> N <sub>4</sub> photocatalysis for NO <sub>x</sub> removal by Ag nanoparticles decoration. <i>Applied Surface Science</i> , 2015, 358, 356-362.	6.1	101
23	Bi metal sphere/graphene oxide nanohybrids with enhanced direct plasmonic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 214, 148-157.	20.2	98
24	Energy Harvesting from Atmospheric Humidity by a Hydrogel-Integrated Ferroelectric-Semiconductor System. <i>Joule</i> , 2020, 4, 176-188.	24.0	94
25	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , 2018, 5, 2604-2617.	4.3	93
26	Hexagonal MoO <sub>3</sub> as a zinc intercalation anode towards zinc metal-free zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9006-9012.	10.3	91
27	Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and enhanced photocatalytic reduction of chromium (VI) under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 481-492.	9.4	89
28	Unraveling MoS <sub>2</sub> and Transition Metal Dichalcogenides as Functional Zinc-Ion Battery Cathode: A Perspective. <i>Small Methods</i> , 2021, 5, e2000815.	8.6	76
29	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , 2018, 205, 99-106.	7.8	75
30	New insights into how RGO influences the photocatalytic performance of BiOIO <sub>3</sub> /RGO nanocomposites under visible and UV irradiation. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 16-24.	9.4	71
31	Mn <sub>3</sub> O <sub>4</sub> /reduced graphene oxide based supercapacitor with ultra-long cycling performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12762-12768.	10.3	70
32	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. <i>Energy and Environmental Science</i> , 2017, 10, 2441-2449.	30.8	68
33	Binder-free V <sub>2</sub> O <sub>5</sub> /CNT paper electrode for high rate performance zinc ion battery. <i>Nanoscale</i> , 2019, 11, 19723-19728.	5.6	68
34	Synergistic integration of thermocatalysis and photocatalysis on black defective (BiO) <sub>2</sub> CO <sub>3</sub> microspheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18466-18474.	10.3	67
35	Effects of Morphology and Crystallinity on the Photocatalytic Activity of (BiO) <sub>2</sub> CO <sub>3</sub> Nano/microstructures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15002-15011.	3.7	66
36	Interlayer-I-doped BiOIO <sub>3</sub> nanoplates with an optimized electronic structure for efficient visible light photocatalysis. <i>Chemical Communications</i> , 2016, 52, 8243-8246.	4.1	66

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37	Single Precursor Mediated-Synthesis of Bi Semimetal Deposited N-Doped (BiO) <sub>2</sub> CO <sub>3</sub> Superstructures for Highly Promoted Photocatalysis. ACS Sustainable Chemistry and Engineering, 2016, 4, 2969-2979.	6.7	64
38	Bi <sub>2</sub> S <sub>3</sub> for Aqueous Zn Ion Battery with Enhanced Cycle Stability. Nano-Micro Letters, 2020, 12, 8.	27.0	58
39	Ternary Ag/AgCl/BiOIO <sub>3</sub> composites for enhanced visible-light-driven photocatalysis. Chinese Journal of Catalysis, 2015, 36, 2155-2163.	14.0	54
40	Exploring the photocatalysis mechanism on insulators. Applied Catalysis B: Environmental, 2017, 219, 450-458.	20.2	48
41	Enhanced extrinsic absorption promotes the visible light photocatalytic activity of wide band-gap (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical structure. RSC Advances, 2014, 4, 56307-56312.	3.6	47
42	Dendrite-Free Anodes Enabled by a Composite of a ZnAl Alloy with a Copper Mesh for High-Performing Aqueous Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28129-28139.	8.0	47
43	Growth mechanism and photocatalytic activity of self-organized N-doped (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical nanosheet microspheres from bismuth citrate and urea. Dalton Transactions, 2014, 43, 6631-6642.	3.3	45
44	Harnessing oxygen vacancy in V <sub>2</sub> O <sub>5</sub> as high performing aqueous zinc-ion battery cathode. Journal of Alloys and Compounds, 2021, 870, 159403.	5.5	45
45	Near-infrared-driven Cr(VI) reduction in aqueous solution based on a MoS <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> photocatalyst. Catalysis Science and Technology, 2018, 8, 1545-1554.	4.1	41
46	Synthesis of BiOBr-graphene and BiOBr-graphene oxide nanocomposites with enhanced visible light photocatalytic performance. Ceramics International, 2014, 40, 9003-9008.	4.8	40
47	Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. Journal of Colloid and Interface Science, 2018, 530, 493-504.	9.4	40
48	Synergistically Configuring Intrinsic Activity and Fin-Tube-Like Architecture of Mn-Doped MoS <sub>2</sub> -Based Catalyst for Improved Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 493-502.	5.1	40
49	A real field phytoremediation of multi-metals contaminated soils by selected hybrid sweet sorghum with high biomass and high accumulation ability. Chemosphere, 2019, 237, 124536.	8.2	39
50	Metal Organic framework derived carbon for ultrahigh power and long cyclic life aqueous Zn ion capacitor. Nano Materials Science, 2020, 2, 159-163.	8.8	37
51	Pulmonary Targeting Crosslinked Cyclodextrin Metal-Organic Frameworks for Lung Cancer Therapy. Advanced Functional Materials, 2021, 31, 2004550.	14.9	35
52	Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. Environmental Science and Pollution Research, 2018, 25, 32562-32571.	5.3	31
53	Integrating the (311) facet of MnO <sub>2</sub> and the functional groups of poly(m-phenylenediamine) in core-shell MnO <sub>2</sub> @poly(m-phenylenediamine) adsorbent to remove Pb ions from water. Journal of Hazardous Materials, 2020, 389, 122154.	12.4	31
54	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	30

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55	Recent Progress on Fullerene-Based Materials: Synthesis, Properties, Modifications, and Photocatalytic Applications. <i>Materials</i> , 2020, 13, 2924.	2.9	29
56	Mechanistic insights into heavy metals affinity in magnetic MnO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> /poly(m-phenylenediamine) core-shell adsorbent. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110326.	6.0	29
57	Optimizing Electrolyte Physiochemical Properties toward 2.8 V Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , 2018, 1, 3070-3076.	5.1	28
58	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118307.	20.2	28
59	1,2,3,4,5-Pentabenzene-1,4-diol-Functionalized Carbon Nanosheets as Low Self-Discharge Aqueous Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 3307-3314.	6.8	27
60	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17659-17668.	8.0	27
61	Interlayer Engineering of MnO <sub>2</sub> with High Charge Density Bi <sup>3+</sup> for High Rate and Stable Aqueous Supercapacitor. <i>Batteries and Supercaps</i> , 2020, 3, 519-526.	4.7	27
62	Ammonia induced formation of N-doped (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical microspheres: the effect of hydrothermal temperature on the morphology and photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 10522.	2.6	26
63	The rapid synthesis of photocatalytic (BiO) <sub>2</sub> CO <sub>3</sub> single-crystal nanosheets via an eco-friendly approach. <i>CrystEngComm</i> , 2014, 16, 3592-3604.	2.6	25
64	Direct ink writing of programmable functional silicone-based composites for 4D printing applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 1, 507-516.		25
65	New insight into modification of extracellular polymeric substances extracted from waste activated sludge by homogeneous Fe(II)/persulfate process. <i>Chemosphere</i> , 2020, 247, 125804.	8.2	24
66	Engineering sulphur vacancy in VS <sub>2</sub> as high performing zinc-ion batteries with high cyclic stability. <i>New Journal of Chemistry</i> , 2020, 44, 15951-15957.	2.8	23
67	Oxygen-Deficient Birnessite-MnO <sub>2</sub> for High-Performing Rechargeable Aqueous Zinc-Ion Batteries. <i>ChemNanoMat</i> , 2020, 6, 1357-1364.	2.8	22
68	Efficient incorporation and protection of lansoprazole in cyclodextrin metal-organic frameworks. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119442.	5.2	15
69	Stretchable fiber-shaped aqueous aluminum ion batteries. <i>EcoMat</i> , 2022, 4, .	11.9	14
70	K <sup>+</sup> -Intercalated MnO <sub>2</sub> Electrode for High Performance Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	10
71	Bismuth ion battery "A new member in trivalent battery technology. <i>Energy Storage Materials</i> , 2020, 25, 100-104.	18.0	3