

# 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	Stretchable fiber-shaped aqueous aluminum ion batteries. <i>EcoMat</i> , 2022, 4, .	11.9	14
2	Direct ink writing of programmable functional silicone-based composites for 4D printing applications. , 2022, 1, 507-516.		25
3	Pulmonary Targeting Crosslinked Cyclodextrin Metal-Organic Frameworks for Lung Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2004550.	14.9	35
4	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
5	Dendrite-Free Anodes Enabled by a Composite of a ZnAl Alloy with a Copper Mesh for High-Performing Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28129-28139.	8.0	47
6	Harnessing oxygen vacancy in V <sub>2</sub> O <sub>5</sub> as high performing aqueous zinc-ion battery cathode. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159403.	5.5	45
7	Metal Organic framework derived carbon for ultrahigh power and long cyclic life aqueous Zn ion capacitor. <i>Nano Materials Science</i> , 2020, 2, 159-163.	8.8	37
8	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118307.	20.2	28
9	Bismuth ion battery – A new member in trivalent battery technology. <i>Energy Storage Materials</i> , 2020, 25, 100-104.	18.0	3
10	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
11	Bi <sub>2</sub> S <sub>3</sub> for Aqueous Zn Ion Battery with Enhanced Cycle Stability. <i>Nano-Micro Letters</i> , 2020, 12, 8.	27.0	58
12	Energy Harvesting from Atmospheric Humidity by a Hydrogel-Integrated Ferroelectric-Semiconductor System. <i>Joule</i> , 2020, 4, 176-188.	24.0	94
13	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. <i>ACS Energy Letters</i> , 2020, 5, 3397-3404.	17.4	129
14	Defect Engineering in Manganese-Based Oxides for Aqueous Rechargeable Zinc-Ion Batteries: A Review. <i>Advanced Energy Materials</i> , 2020, 10, 2001769.	19.5	249
15	Manipulating unidirectional fluid transportation to drive sustainable solar water extraction and brine-drenching induced energy generation. <i>Energy and Environmental Science</i> , 2020, 13, 4891-4902.	30.8	162
16	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
17	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
18	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

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19	Structure Architecting for Salt-Rejecting Solar Interfacial Desalination to Achieve High-Performance Evaporation With In Situ Energy Generation. <i>Advanced Science</i> , 2020, 7, 1903478.	11.2	224
20	Recent Progress on Fullerene-Based Materials: Synthesis, Properties, Modifications, and Photocatalytic Applications. <i>Materials</i> , 2020, 13, 2924.	2.9	29
21	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
22	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. <i>Journal of Hazardous Materials</i> , 2020, 389, 122154.	12.4	31
23	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
24	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
25	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	30
26	Efficient incorporation and protection of lansoprazole in cyclodextrin metal-organic frameworks. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119442.	5.2	15
27	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
28	A real field phytoremediation of multi-metals contaminated soils by selected hybrid sweet sorghum with high biomass and high accumulation ability. <i>Chemosphere</i> , 2019, 237, 124536.	8.2	39
29	Defect Engineering of Oxygen-Deficient Manganese Oxide to Achieve High-Performing Aqueous Zinc Ion Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1803815.	19.5	504
30	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
31	Synergistically Configuring Intrinsic Activity and Fin-Tube-Like Architecture of Mn-Doped MoS <sub>2</sub> -Based Catalyst for Improved Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 493-502.	5.1	40
32	KCl-mediated dual electronic channels in layered g-C <sub>3</sub> N <sub>4</sub> for enhanced visible light photocatalytic NO removal. <i>Nanoscale</i> , 2018, 10, 8066-8074.	5.6	126
33	Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 493-504.	9.4	40
34	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. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 376-385.	20.2	495
35	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. <i>Catalysis Science and Technology</i> , 2018, 8, 1545-1554.	4.1	41
36	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. <i>Advanced Energy Materials</i> , 2018, 8, 1702630.	19.5	201

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37	Effect of high intensity ultrasound on structure and foaming properties of pea protein isolate. Food Research International, 2018, 109, 260-267.	6.2	249
38	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. Journal of Environmental Management, 2018, 205, 99-106.	7.8	75
39	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
40	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. Environmental Science: Nano, 2018, 5, 2604-2617.	4.3	93
41	Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and enhanced photocatalytic reduction of chromium (VI) under visible light. Journal of Colloid and Interface Science, 2018, 530, 481-492.	9.4	89
42	Optimizing Electrolyte Physicochemical Properties toward 2.8 V Aqueous Supercapacitor. ACS Applied Energy Materials, 2018, 1, 3070-3076.	5.1	28
43	2,2-Bis(hydroxymethyl)propane-1,3-diol-Functionalized Carbon Nanosheets as Low Self-Discharge Aqueous Supercapacitors. ChemSusChem, 2018, 11, 3307-3314.	6.8	27
44	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
45	Bi metal sphere/graphene oxide nanohybrids with enhanced direct plasmonic photocatalysis. Applied Catalysis B: Environmental, 2017, 214, 148-157.	20.2	98
46	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. Journal of Catalysis, 2017, 352, 102-112.	6.2	135
47	Mn <sub>3</sub> O <sub>4</sub> /reduced graphene oxide based supercapacitor with ultra-long cycling performance. Journal of Materials Chemistry A, 2017, 5, 12762-12768.	10.3	70
48	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. Energy and Environmental Science, 2017, 10, 2441-2449.	30.8	68
49	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. Environmental Science: Nano, 2017, 4, 2175-2185.	4.3	121
50	Exploring the photocatalysis mechanism on insulators. Applied Catalysis B: Environmental, 2017, 219, 450-458.	20.2	48
51	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
52	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. Journal of Catalysis, 2016, 344, 401-410.	6.2	172
53	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
54	Interlayer-I-doped BiOIO <sub>3</sub> nanoplates with an optimized electronic structure for efficient visible light photocatalysis. Chemical Communications, 2016, 52, 8243-8246.	4.1	66

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55	Bridging the g-C <sub>3</sub> N <sub>4</sub> Interlayers for Enhanced Photocatalysis. ACS Catalysis, 2016, 6, 2462-2472.	11.2	869
56	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
57	New insights into how RGO influences the photocatalytic performance of BiOIO <sub>3</sub> /RGO nanocomposites under visible and UV irradiation. Journal of Colloid and Interface Science, 2015, 447, 16-24.	9.4	71
58	Synergistic integration of thermocatalysis and photocatalysis on black defective (BiO) <sub>2</sub> CO <sub>3</sub> microspheres. Journal of Materials Chemistry A, 2015, 3, 18466-18474.	10.3	67
59	Improving g-C <sub>3</sub> N <sub>4</sub> photocatalysis for NO <sub>x</sub> removal by Ag nanoparticles decoration. Applied Surface Science, 2015, 358, 356-362.	6.1	101
60	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2Dâ€“2D heterostructures. Chemical Communications, 2015, 51, 8249-8252.	4.1	145
61	In situ synthesis of a C-doped (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical self-assembly effectively promoting visible light photocatalysis. Journal of Materials Chemistry A, 2015, 3, 6118-6127.	10.3	103
62	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
63	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
64	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
65	The rapid synthesis of photocatalytic (BiO) <sub>2</sub> CO <sub>3</sub> single-crystal nanosheets via an eco-friendly approach. CrystEngComm, 2014, 16, 3592-3604.	2.6	25
66	A semimetal bismuth element as a direct plasmonic photocatalyst. Chemical Communications, 2014, 50, 10386-10389.	4.1	282
67	Effects of Morphology and Crystallinity on the Photocatalytic Activity of (BiO) <sub>2</sub> CO <sub>3</sub> Nano/microstructures. Industrial & Engineering Chemistry Research, 2014, 53, 15002-15011.	3.7	66
68	Synthesis of BiOBrâ€“graphene and BiOBrâ€“graphene oxide nanocomposites with enhanced visible light photocatalytic performance. Ceramics International, 2014, 40, 9003-9008.	4.8	40
69	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
70	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. CrystEngComm, 2013, 15, 10522.	2.6	26
71	K <sup>+</sup> -Intercalated MnO <sub>2</sub> Electrode for High Performance Aqueous Supercapacitor. ACS Applied Energy Materials, 0, , .	5.1	10