

# Tao An

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,757  
citations

566801

15  
h-index

580395

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g-index

28  
all docs

28  
docs citations

28  
times ranked

3357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Reduction in Alkaline Media: From Mechanisms to Recent Advances of Catalysts. ACS Catalysis, 2015, 5, 4643-4667.	5.5	1,022
2	String of pyrolyzed ZIF-67 particles on carbon fibers for high-performance electrocatalysis. Energy Storage Materials, 2020, 25, 137-144.	9.5	102
3	Web@Like Interconnected Carbon Networks from NaCl@Assisted Pyrolysis of ZIF@8 for Highly Efficient Oxygen Reduction Catalysis. Small, 2018, 14, e1704169.	5.2	95
4	Tellurium@Ordered Macroporous Carbon Composite and Free@Standing Tellurium Nanowire Mat as Cathode Materials for Rechargeable Lithium@Tellurium Batteries. Advanced Energy Materials, 2015, 5, 1401999.	10.2	83
5	One-Step Facile Synthesis of Cobalt Phosphides for Hydrogen Evolution Reaction Catalysts in Acidic and Alkaline Medium. ACS Applied Materials & Interfaces, 2018, 10, 15673-15680.	4.0	76
6	Janus Electrocatalysts Containing MOF-Derived Carbon Networks and NiFe-LDH Nanoplates for Rechargeable Zinc@Air Batteries. ACS Applied Energy Materials, 2019, 2, 1784-1792.	2.5	54
7	Facile One-Pot Synthesis of CoFe Alloy Nanoparticles Decorated N-Doped Carbon for High-Performance Rechargeable Zinc@Air Battery Stacks. ACS Sustainable Chemistry and Engineering, 2018, 6, 7743-7751.	3.2	41
8	Co<sub>3</sub>O<sub>4</sub> nanoparticles grown on N-doped Vulcan carbon as a scalable bifunctional electrocatalyst for rechargeable zinc@air batteries. RSC Advances, 2015, 5, 75773-75780.	1.7	39
9	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor CeNbO<sub>4.25</sub>. Journal of the American Chemical Society, 2016, 138, 1273-1279.	6.6	34
10	Five-Dimensional Incommensurate Structure of the Melilite Electrolyte [CaNd]<sub>2</sub>[Ga]<sub>2</sub>[Ga<sub>2</sub>O<sub>7</sub>]<sub>2</sub>. Journal of the American Chemical Society, 2011, 133, 15200-15211.	6.6	32
11	Co3O4 nanoparticles anchored in MnO2 nanorods as efficient oxygen reduction reaction catalyst for metal-air batteries. Journal of Alloys and Compounds, 2020, 814, 152239.	2.8	28
12	Fergusonite-type CeNbO4+: Single crystal growth, symmetry revision and conductivity. Journal of Solid State Chemistry, 2013, 204, 291-297.	1.4	25
13	Sheet@on@Sheet Hierarchical Nanostructured C@MnO<sub>2</sub> for Zn@Air and Zn@MnO<sub>2</sub> Batteries. ChemNanoMat, 2017, 3, 401-405.	1.5	24
14	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Chemistry of Materials, 2013, 25, 1109-1120.	3.2	18
15	Crystal Chemistry of Melilite [CaLa]<sub>2</sub>[Ga]<sub>2</sub>[Ga<sub>2</sub>O<sub>7</sub>]<sub>2</sub>: a Five Dimensional Solid Electrolyte. Inorganic Chemistry, 2012, 51, 5941-5949.	1.9	16
16	Hydrothermal Synthesis, Structure Investigation, and Oxide Ion Conductivity of Mixed Si/Ge-Based Apatite-Type Phases. Inorganic Chemistry, 2014, 53, 4803-4812.	1.9	14
17	Interstitial Oxide Ion Distribution and Transport Mechanism in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Journal of the American Chemical Society, 2016, 138, 4468-4483.	6.6	12
18	Single crystal growth of apatite-type Al-doped neodymium silicates by the floating zone method. Journal of Crystal Growth, 2011, 333, 70-73.	0.7	9

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19	Crystal Chemical Analysis of Nd <sub>9.33</sub> Si <sub>6</sub> O <sub>26</sub> and Nd <sub>8</sub> Sr <sub>2</sub> Si <sub>6</sub> O <sub>26</sub> Apatite Electrolytes Using Aberration-Corrected Scanning Transmission Electron Microscopy and Impedance Spectroscopy. Chemistry of Materials, 2015, 27, 1217-1222.	3.2	8
20	Structural Study of the Apatite Nd <sub>8</sub> Sr <sub>2</sub> Si <sub>6</sub> O <sub>26</sub> by Laue Neutron Diffraction and Single-Crystal Raman Spectroscopy. Inorganic Chemistry, 2014, 53, 9416-9423.	1.9	7
21	Nanostructured Perovskite LaCo <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> as Bifunctional Catalysts for Rechargeable Metal-Air Batteries. Journal of Molecular and Engineering Materials, 2015, 03, 1540006.	0.9	5
22	Zn-Air Batteries: Web-Like Interconnected Carbon Networks from NaCl-Assisted Pyrolysis of ZIF-8 for Highly Efficient Oxygen Reduction Catalysis (Small 16/2018). Small, 2018, 14, 1870070.	5.2	4
23	A nanostructured nickel/carbon matrix as an efficient oxygen evolution reaction electrocatalyst for rechargeable zinc-air batteries. Inorganic Chemistry Frontiers, 2019, 6, 1873-1880.	3.0	4
24	Observation of atomic scale compositional and displacive modulations in incommensurate melilite electrolytes. Journal of Solid State Chemistry, 2013, 203, 291-296.	1.4	3
25	Oxygen Migration in Dense Spark Plasma Sintered Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Journal of the American Ceramic Society, 2013, 96, 3457-3462.	1.9	2