

Tao An

List of Publications by Year in descending order

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25
papers

1,757
citations

566801

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580395

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docs citations

28
times ranked

3357
citing authors

#	ARTICLE	IF	CITATIONS
1	Co ₃ O ₄ nanoparticles anchored in MnO ₂ nanorods as efficient oxygen reduction reaction catalyst for metal-air batteries. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152239.	2.8	28
2	String of pyrolyzed ZIF-67 particles on carbon fibers for high-performance electrocatalysis. <i>Energy Storage Materials</i> , 2020, 25, 137-144.	9.5	102
3	Janus Electrocatalysts Containing MOF-Derived Carbon Networks and NiFe-LDH Nanoplates for Rechargeable Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 1784-1792.	2.5	54
4	A nanostructured nickel/carbon matrix as an efficient oxygen evolution reaction electrocatalyst for rechargeable zinc-air batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1873-1880.	3.0	4
5	Web-Like Interconnected Carbon Networks from NaCl-Assisted Pyrolysis of ZIF-8 for Highly Efficient Oxygen Reduction Catalysis. <i>Small</i> , 2018, 14, e1704169.	5.2	95
6	One-Step Facile Synthesis of Cobalt Phosphides for Hydrogen Evolution Reaction Catalysts in Acidic and Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15673-15680.	4.0	76
7	Zn-Air Batteries: Web-Like Interconnected Carbon Networks from NaCl-Assisted Pyrolysis of ZIF-8 for Highly Efficient Oxygen Reduction Catalysis (<i>Small</i> 16/2018). <i>Small</i> , 2018, 14, 1870070.	5.2	4
8	Facile One-Pot Synthesis of CoFe Alloy Nanoparticles Decorated N-Doped Carbon for High-Performance Rechargeable Zinc-Air Battery Stacks. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7743-7751.	3.2	41
9	Sheet-on-Sheet Hierarchical Nanostructured C@MnO ₂ for Zn-Air and Zn-MnO ₂ Batteries. <i>ChemNanoMat</i> , 2017, 3, 401-405.	1.5	24
10	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor CeNbO _{4.25} . <i>Journal of the American Chemical Society</i> , 2016, 138, 1273-1279.	6.6	34
11	Interstitial Oxide Ion Distribution and Transport Mechanism in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Journal of the American Chemical Society</i> , 2016, 138, 4468-4483.	6.6	12
12	Crystal Chemical Analysis of Nd _{9.33} Si ₆ O ₂₆ and Nd ₈ Sr ₂ Si ₆ O ₂₆ Apatite Electrolytes Using Aberration-Corrected Scanning Transmission Electron Microscopy and Impedance Spectroscopy. <i>Chemistry of Materials</i> , 2015, 27, 1217-1222.	3.2	8
13	Tellurium@Ordered Macroporous Carbon Composite and Free-Standing Tellurium Nanowire Mat as Cathode Materials for Rechargeable Lithium-Tellurium Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401999.	10.2	83
14	Oxygen Reduction in Alkaline Media: From Mechanisms to Recent Advances of Catalysts. <i>ACS Catalysis</i> , 2015, 5, 4643-4667.	5.5	1,022
15	Nanostructured Perovskite LaCo _{1-x} Mn _x O ₃ as Bifunctional Catalysts for Rechargeable Metal-Air Batteries. <i>Journal of Molecular and Engineering Materials</i> , 2015, 03, 1540006.	0.9	5
16	Co ₃ O ₄ nanoparticles grown on N-doped Vulcan carbon as a scalable bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>RSC Advances</i> , 2015, 5, 75773-75780.	1.7	39
17	Structural Study of the Apatite Nd ₈ Sr ₂ Si ₆ O ₂₆ by Laue Neutron Diffraction and Single-Crystal Raman Spectroscopy. <i>Inorganic Chemistry</i> , 2014, 53, 9416-9423.	1.9	7
18	Hydrothermal Synthesis, Structure Investigation, and Oxide Ion Conductivity of Mixed Si/Ge-Based Apatite-Type Phases. <i>Inorganic Chemistry</i> , 2014, 53, 4803-4812.	1.9	14

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19	Fergusonite-type CeNbO ₄ +: Single crystal growth, symmetry revision and conductivity. Journal of Solid State Chemistry, 2013, 204, 291-297.	1.4	25
20	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Chemistry of Materials, 2013, 25, 1109-1120.	3.2	18
21	Observation of atomic scale compositional and displacive modulations in incommensurate melilite electrolytes. Journal of Solid State Chemistry, 2013, 203, 291-296.	1.4	3
22	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
23	Crystal Chemistry of Melilite [CaLa] ₂ [Ga] ₂ [Ga ₂ O ₇] ₂ : a Five Dimensional Solid Electrolyte. Inorganic Chemistry, 2012, 51, 5941-5949.	1.9	16
24	Five-Dimensional Incommensurate Structure of the Melilite Electrolyte [CaNd] ₂ [Ga] ₂ [Ga ₂ O ₇] ₂ . Journal of the American Chemical Society, 2011, 133, 15200-15211.	6.6	32
25	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