

Xinxin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

301
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study on charge transport and electrochemical performance of Gd and Pr co-doped ceria-based solid oxide fuel cells free from internal shorting. <i>Ionics</i> , 2022, 28, 3445-3452.	2.4	4
2	Modulating Reaction Pathways on Perovskite Cobaltite Nanofibers through Excessive Surface Oxygen Defects for Efficient Water Oxidation. <i>Energy & Fuels</i> , 2021, 35, 13967-13974.	5.1	7
3	New two-layer Ruddlesden-Popper cathode materials for protonic ceramics fuel cells. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1052-1060.	17.4	65
4	Novel dual-phase symmetrical electrode materials for protonic ceramic fuel cells. <i>Journal of Materials Science</i> , 2021, 56, 19651-19662.	3.7	7
5	Review of experimental and modelling developments for ceria-based solid oxide fuel cells free from internal short circuits. <i>Journal of Materials Science</i> , 2020, 55, 1-23.	3.7	56
6	Numerical modeling of ethanol-fueled solid oxide fuel cells with a Ni-BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O ₃ external reformer. <i>Ionics</i> , 2020, 26, 4587-4598.	2.4	6
7	Numerical Study on the Electron-Blocking Mechanism of Ceria-Related Composite Electrolytes Considering Mixed Conductivities of Free Electron, Oxygen Ion, and Proton. <i>ACS Applied Energy Materials</i> , 2019, 2, 3142-3150.	5.1	9
8	Experimental and numerical studies of a bifunctional proton conducting anode of ceria-based SOFCs free from internal shorting and carbon deposition. <i>Electrochimica Acta</i> , 2018, 264, 109-118.	5.2	25
9	Charge-Transfer Modeling and Polarization DRT Analysis of Proton Ceramics Fuel Cells Based on Mixed Conductive Electrolyte with the Modified Anode-Electrolyte Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35047-35059.	8.0	100
10	Numerical modeling of ceria-based SOFCs with bi-layer electrolyte free from internal short circuit: Comparison of two cell configurations. <i>Electrochimica Acta</i> , 2017, 248, 356-367.	5.2	22