

Muhammad Saqib

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ceramic fuel cells using novel proton-conducting $\text{BaCe}_{0.5}\text{Zr}_{0.3}\text{Y}_{0.1}\text{Yb}_{0.05}\text{Zn}_{0.05}\text{O}_{3-\delta}$ electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 111-120.	2.5	6
2	Cobalt-free perovskite $\text{Ba}_{1-x}\text{Nd}_x\text{FeO}_{3-\delta}$ air electrode materials for reversible solid oxide cells. <i>Ceramics International</i> , 2021, 47, 7985-7993.	4.8	20
3	Activity of layered swedenborgite structured $\text{Y}_{0.8}\text{Er}_{0.2}\text{BaCo}_{3.2}\text{Ga}_{0.8}\text{O}_{7-\delta}$ for oxygen electrode reactions in at intermediate temperature reversible ceramic cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 607-621.	10.3	36
4	Transition from perovskite to misfit-layered structure materials: a highly oxygen deficient and stable oxygen electrode catalyst. <i>Energy and Environmental Science</i> , 2021, 14, 2472-2484.	30.8	53
5	Triple perovskite structured $\text{Nd}_{1.5}\text{Ba}_{1.5}\text{CoFeMnO}_9$ oxygen electrode materials for highly efficient and stable reversible protonic ceramic cells. <i>Journal of Power Sources</i> , 2021, 510, 230409.	7.8	24
6	Degradation Mechanisms of Solid Oxide Fuel Cells under Various Thermal Cycling Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49868-49878.	8.0	17
7	A New High-Performance Proton-Conducting Electrolyte for Next-Generation Solid Oxide Fuel Cells. <i>Energy Technology</i> , 2020, 8, 2000486.	3.8	12
8	Degradation studies of ceria-based solid oxide fuel cells at intermediate temperature under various load conditions. <i>Journal of Power Sources</i> , 2020, 452, 227758.	7.8	20
9	Modification of Oxygen-Ionic Transport Barrier of $\text{BaCo}_{0.4}\text{Zr}_{0.1}\text{Fe}_{0.4}\text{Y}_{0.1}\text{O}_{3-\delta}$ Steam (Air) Electrode by Impregnating Samarium-Doped Ceria Nanoparticles for Proton-Conducting Reversible Solid Oxide Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, F746-F754.	2.9	35
10	$\text{BaCo}_{0.4}\text{Fe}_{0.4}\text{Zr}_{0.2}\text{O}_{3-\delta}$ Cathode Materials for Protonic Ceramic Fuel Cells. <i>ECS Transactions</i> , 2019, 91, 1503-1507.	0.5	3
11	Stable ceria-based electrolytes for intermediate temperature-solid oxide fuel cells via hafnium oxide blocking layer. <i>Journal of Alloys and Compounds</i> , 2019, 779, 121-128.	5.5	5
12	Operation Protocols To Improve Durability of Protonic Ceramic Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 457-468.	8.0	14
13	Degradation of Anode-Supported Solid Oxide Fuel Cells under Load Trip and Cycle Conditions and Their Degradation Prevention Operating Logic. <i>Journal of the Electrochemical Society</i> , 2018, 165, F728-F735.	2.9	12