

Ilaria Ritucci

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

138
citations

1478505

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12
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13
docs citations

13
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	SOFC stacks for mobile applications with excellent robustness towards thermal stresses. International Journal of Hydrogen Energy, 2020, 45, 29201-29211.	7.1	31
2	A Ba-free sealing glass with a high coefficient of thermal expansion and excellent interface stability optimized for SOFC/SOEC stack applications. International Journal of Applied Ceramic Technology, 2018, 15, 1011-1022.	2.1	27
3	A novel Ag based sealant for solid oxide cells with a fully tunable thermal expansion. Journal of Alloys and Compounds, 2020, 831, 154608.	5.5	19
4	A Novel SOFC/SOEC Sealing Glass with a Low SiO ₂ Content and a High Thermal Expansion Coefficient. ECS Transactions, 2017, 78, 1739-1747.	0.5	15
5	Enhancing the long-term stability of Ag based seals for solid oxide fuel/electrolysis applications by simple interconnect aluminization. International Journal of Hydrogen Energy, 2019, 44, 3063-3074.	7.1	15
6	Improving the interface adherence at sealings in solid oxide cell stacks. Journal of Materials Research, 2019, 34, 1167-1178.	2.6	12
7	Enhancing the Robustness of Brittle Solid Oxide Cell Stack Components. ECS Transactions, 2019, 91, 2201-2211.	0.5	5
8	Improved Robustness and Low Area Specific Resistance with Novel Contact Layers for the Solid Oxide Cell Air Electrode. ECS Transactions, 2019, 91, 2225-2232.	0.5	4
9	High toughness well conducting contact layers for solid oxide cell stacks by reactive oxidative bonding. Journal of the European Ceramic Society, 2021, 41, 2699-2708.	5.7	3
10	Ag-SiO ₂ - An optimized braze for robust joining of commercial coated stainless steel to ceramic solid oxide cells. Ceramics International, 2022, 48, 32740-32747.	4.8	3
11	Fracture toughness of reactive bonded Co-Mn and Cu-Mn contact layers after long-term aging. Ceramics International, 2022, 48, 20699-20711.	4.8	2
12	Joining of Co coated ferritic stainless steel to ceramic solid oxide cells by a novel Ag-SiO ₂ braze. Journal of Materials Science and Technology, 2022, 121, 174-180.	10.7	1
13	Torsional behaviour of a glass-ceramic joined alumina coated Crofer 22 APU steel. Ceramics International, 2022, 48, 25368-25373.	4.8	1