Daniel RÃ¶hrens

List of Publications by Year
in descending order

11 papers	301 citations	1307594 7 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	490 citing authors

#	Article	IF	Citations
1	A kinetic study of the decomposition of the cubic perovskite-type oxide BaxSr1â^'xCo0.8Fe0.2O3â^'Î´ (BSCF) (x = 0.1 and 0.5). Physical Chemistry Chemical Physics, 2010, 12, 10320.	2.8	157
2	Thermodynamics, structure and kinetics in the system Gaâ€“Oâ€“N. Progress in Solid State Chemistry, 2009, 37, 132-152.	7.2	33
3	Phase Equilibria in the Alâ€“Coâ€“Crâ€“Feâ€“Ni High Entropy Alloy System: Thermodynamic Description and Experimental Study. Frontiers in Materials, 2020, 7, .	2.4	29
4	Anisotropic sintering behavior of freeze-cast ceramics by optical dilatometry and discrete-element simulations. Acta Materialia, 2018, 155, 343-349.	7.9	24
5	Advances beyond traditional SOFC cell designs. International Journal of Hydrogen Energy, 2015, 40, 11538-11542.	7.1	20
6	Operation of Thin-Film Electrolyte Metal-Supported Solid Oxide Fuel Cells in Lightweight and Stationary Stacks: Material and Microstructural Aspects. Materials, 2016, 9, 762.	2.9	11
7	Microstructure and Mechanical Properties of BCC-FCC Eutectics in Ternary, Quaternary and Quinary Alloys From the Al-Co-Cr-Fe-Ni System. Frontiers in Materials, 2020, 7, .	2.4	10
8	Microstructures and Mechanical Properties of Hybrid, Additively Manufactured Ti6Al4V after Thermomechanical Processing. Materials, 2021, 14, 1039.	2.9	6
9	Optimizing the transfer of [18F]fluoride from aqueous to organic solvents by electrodeposition using carbon electrodes. Applied Radiation and Isotopes, 2014, 91, 1-7.	1.5	5
10	Characterization of the Contact Resistance of Cathodic SOFC Contacting. ECS Transactions, 2015, 68, 751-756.	0.5	3
11	High Performance (La,Sr)(Co,Fe)O3Cathodes with Improved Adherence for Metal-Supported Fuel Cells. ECS Transactions, 2017, 78, 709-715.	0.5	3