Katrin Jahns

List of Publications by Year
in descending order

14	105	1684188 5	1372567 10
papers	citations	h-index	g-index

14	14	14	59
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface layer microstructure evolution during interdiffusion annealing of chromium electroplated iron substrates. Materialwissenschaft Und Werkstofftechnik, 2022, 53, 190-200.	0.9	0
2	On oxide formation on a single crystalline Ni-based superalloy at 900 Â°C in SO2 containing atmosphere: The effect of surface treatment. Corrosion Science, 2021, 180, 109154.	6.6	3
3	The Effect of Cu Content and Surface Finish on the Metal Dusting Resistance of Additively Manufactured NiCu Alloys. Oxidation of Metals, 2021, 96, 241-256.	2.1	4
4	Preliminary Studies on Rare Elements Addition and Effect on Oxidation Behaviour of Pack Cementation Coatings Deposited on Variety of Steels at High Temperature. Materials, 2021, 14, 6801.	2.9	1
5	Laser beam welding of deoxidized copper: microstructure investigation and thermodynamic consideration. Materialwissenschaft Und Werkstofftechnik, 2021, 52, 1161-1172.	0.9	1
6	Formation of corrosion pockets in FeNiCrAl at high temperatures investigated by 3D FIBâ€SEM tomography. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 1774-1782.	1.5	2
7	Additive manufacturing of CuCr1Zr by development of a gas atomization and laser powder bed fusion routine. International Journal of Advanced Manufacturing Technology, 2020, 107, 2151-2161.	3.0	37
8	Internal Oxidation Prediction by Cellular Automata Approach in Energy Materials at High Temperatures. Advanced Engineering Materials, 2019, 21, 1801142.	3.5	3
9	Oxidation behaviour of synthetic stainless steel interdiffusion layers. Materials at High Temperatures, 2018, 35, 89-96.	1.0	3
10	Prediction of high temperature corrosion phenomena by the cellular automata approach. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 125-132.	1.5	11
11	Modeling of Intergranular Oxidation by the Cellular Automata Approach. Oxidation of Metals, 2017, 87, 285-295.	2.1	11
12	Numerical analysis of high temperature internal corrosion mechanisms by the cellular automata approach. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 305-311.	1.5	14
13	Numerical Analysis of Internal Oxidation and Nitridation by the Cellular Automata Approach. Oxidation of Metals, 2013, 79, 107-120.	2.1	15
14	Numerical Analysis of Diffusion-Controlled Internal Corrosion by the Cellular Automata Approach. Defect and Diffusion Forum, 0, 383, 51-58.	0.4	0