Andreas Drexler

List of Publications by Year
in descending order

14	348	758635 12	1058022 14
papers	citations	h-index	g-index

14	14	14	206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental and numerical investigations of the Î³â€³ and Î³â€² precipitation kinetics in Alloy 718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 723, 314-323.	2.6	50
2	Microstructural based hydrogen diffusion and trapping models applied to Feâ€“C X alloys. Journal of Alloys and Compounds, 2020, 826, 154057.	2.8	50
3	Model-based interpretation of thermal desorption spectra of Fe-C-Ti alloys. Journal of Alloys and Compounds, 2019, 789, 647-657.	2.8	47
4	A microstructural based creep model applied to alloy 718. International Journal of Plasticity, 2018, 105, 62-73.	4.1	36
5	On the local evaluation of the hydrogen susceptibility of cold-formed and heat treated advanced high strength steel (AHSS) sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140276.	2.6	24
6	Cycled hydrogen permeation through Armco iron â€“ A joint experimental and modeling approach. Corrosion Science, 2020, 176, 109017.	3.0	23
7	Critical verification of the Kissinger theory to evaluate thermal desorption spectra. International Journal of Hydrogen Energy, 2021, 46, 39590-39606.	3.8	22
8	Local hydrogen accumulation after cold forming and heat treatment in punched advanced high strength steel sheets. Journal of Alloys and Compounds, 2021, 856, 158226.	2.8	18
9	Hydrogen segregation near a crack tip in nickel. Scripta Materialia, 2021, 194, 113697.	2.6	18
10	The role of hydrogen diffusion, trapping and desorption in dual phase steels. Journal of Materials Science, 2022, 57, 4789-4805.	1.7	18
11	Verification of the generalised chemical potential for stress-driven hydrogen diffusion in nickel. Philosophical Magazine Letters, 2020, 100, 513-523.	0.5	16
12	An SEM compatible plasma cell for in situ studies of hydrogen-material interaction. Review of Scientific Instruments, 2020, 91, 043705.	0.6	13
13	Addressing H-Material Interaction in Fast Diffusion Materialsâ€”A Feasibility Study on a Complex Phase Steel. Materials, 2020, 13, 4677.	1.3	10
14	Finite element modeling of the residual stress evolution in forged and direct-aged alloy 718 turbine disks during manufacturing and its experimental validation. AIP Conference Proceedings, 2017, , .	0.3	3