

Andreas Drexler

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

348
citations

758635

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1058022

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14
all docs

14
docs citations

14
times ranked

206
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of hydrogen diffusion, trapping and desorption in dual phase steels. Journal of Materials Science, 2022, 57, 4789-4805.	1.7	18
2	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
3	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
4	Hydrogen segregation near a crack tip in nickel. Scripta Materialia, 2021, 194, 113697.	2.6	18
5	Critical verification of the Kissinger theory to evaluate thermal desorption spectra. International Journal of Hydrogen Energy, 2021, 46, 39590-39606.	3.8	22
6	Cycled hydrogen permeation through Armco iron – A joint experimental and modeling approach. Corrosion Science, 2020, 176, 109017.	3.0	23
7	Verification of the generalised chemical potential for stress-driven hydrogen diffusion in nickel. Philosophical Magazine Letters, 2020, 100, 513-523.	0.5	16
8	Addressing H-Material Interaction in Fast Diffusion Materials – A Feasibility Study on a Complex Phase Steel. Materials, 2020, 13, 4677.	1.3	10
9	Microstructural based hydrogen diffusion and trapping models applied to Fe-C X alloys. Journal of Alloys and Compounds, 2020, 826, 154057.	2.8	50
10	An SEM compatible plasma cell for <i>in situ</i> studies of hydrogen-material interaction. Review of Scientific Instruments, 2020, 91, 043705.	0.6	13
11	Model-based interpretation of thermal desorption spectra of Fe-C-Ti alloys. Journal of Alloys and Compounds, 2019, 789, 647-657.	2.8	47
12	Experimental and numerical investigations of the M_{23}C_6 and M_{12}C_6 precipitation kinetics in Alloy 718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 723, 314-323.	2.6	50
13	A microstructural based creep model applied to alloy 718. International Journal of Plasticity, 2018, 105, 62-73.	4.1	36
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