Joris Proost

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10859157/publications.pdf

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21	703	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State-of-the art CAPEX data for water electrolysers, and their impact on renewable hydrogen price settings. International Journal of Hydrogen Energy, 2019, 44, 4406-4413.	7.1	173
2	Review and analysis of demonstration projects on power-to-X pathways in the world. International Journal of Hydrogen Energy, 2019, 44, 27637-27655.	7.1	108
3	What controls the pore spacing in porous anodic oxides?. Electrochemistry Communications, 2010, 12, 1174-1176.	4.7	61
4	Incentives and legal barriers for power-to-hydrogen pathways: An internationalÂsnapshot. International Journal of Hydrogen Energy, 2019, 44, 11394-11401.	7.1	58
5	Evolution of the growth stress, stiffness, and microstructure of alumina thin films during vapor deposition. Journal of Applied Physics, 2002, 91, 204.	2.5	56
6	Critical assessment of the production scale required for fossil parity of green electrolytic hydrogen. International Journal of Hydrogen Energy, 2020, 45, 17067-17075.	7.1	51
7	In situ detection of porosity initiation during aluminum thin film anodizing. Applied Physics Letters, 2009, 94, .	3.3	28
8	An in situ study of the hydriding kinetics of Pd thin films. Physical Chemistry Chemical Physics, 2011, 13, 11412.	2.8	28
9	Effect of structural defects on the hydriding kinetics of nanocrystalline Pd thin films. International Journal of Hydrogen Energy, 2015, 40, 7335-7347.	7.1	23
10	High resolution transmission electron microscopy characterization of fccâ€‰â†’â€‰9R transformation in nanocrystalline palladium films due to hydriding. Applied Physics Letters, 2013, 102, .	3.3	22
11	Mechanical behavior of ultrathin sputter deposited porous amorphous Al2O3 films. Acta Materialia, 2017, 125, 27-37.	7.9	20
12	Effect of internal stress on the hydriding kinetics of nanocrystalline Pd thin films. Acta Materialia, 2013, 61, 2320-2329.	7.9	15
13	Evolution of Water Diffusion in a Sorption-Enhanced Methanation Catalyst. Catalysts, 2018, 8, 341.	3.5	13
14	Internal stress and opto-electronic properties of ZnO thin films deposited by reactive sputtering in various oxygen partial pressures. Journal of Applied Physics, 2017, 122, .	2.5	9
15	In situ monitoring of electrostriction in anodic and thermal silicon dioxide thin films. Journal of Solid State Electrochemistry, 2013, 17, 1945-1954.	2.5	8
16	Structural and Opto-electronic characterization of CuO thin films prepared by DC reactive magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2020, 31, 4563-4573.	2.2	8
17	Large-scale synthesis of high-purity, one-dimensional Î±-Al2O3structures. Journal of Materials Chemistry, 2004, 14, 3058-3062.	6.7	7
18	On the Origin of Damped Electrochemical Oscillations at Silicon Anodes (Revisited). ChemPhysChem, 2014, 15, 3116-3124.	2.1	7

#	Article	IF	Citations
19	Electrochemical Characterization of Mass Transport in Porous Electrodes. Industrial & Engineering Chemistry Research, 2012, 51, 14229-14235.	3.7	5
20	Effect of hydriding induced defects on the small-scale plasticity mechanisms in nanocrystalline palladium thin films. Journal of Applied Physics, 2018, 124, 225105.	2.5	2
21	In-situ study of the stiffness of alumina thin films during vapor deposition. Materials Research Society Symposia Proceedings, 2001, 672, 1.	0.1	1