

# Renaud Delmelle

## List of Publications by Year in descending order

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11  
papers

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citations

1040056

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1281871

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docs citations

12  
times ranked

446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Reversibility and Nickel Particle stability in Lanthanum Iron Nickel Perovskite-type Catalysts. <i>ChemSusChem</i> , 2017, 10, 2505-2517.	6.8	52
2	An in situ study of the hydriding kinetics of Pd thin films. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11412.	2.8	28
3	Dislocation/hydrogen interaction mechanisms in hydrided nanocrystalline palladium films. <i>Acta Materialia</i> , 2016, 111, 253-261.	7.9	28
4	Effect of structural defects on the hydriding kinetics of nanocrystalline Pd thin films. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7335-7347.	7.1	23
5	High resolution transmission electron microscopy characterization of fcc to bcc transformation in nanocrystalline palladium films due to hydriding. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	22
6	Promotion of Hydrogen Desorption from Palladium Surfaces by Fluoropolymer Coating. <i>ChemCatChem</i> , 2016, 8, 1646-1650.	3.7	19
7	Effect of internal stress on the hydriding kinetics of nanocrystalline Pd thin films. <i>Acta Materialia</i> , 2013, 61, 2320-2329.	7.9	15
8	Closing the pressure gap in x-ray photoelectron spectroscopy by membrane hydrogenation. <i>Review of Scientific Instruments</i> , 2015, 86, 053104.	1.3	13
9	Evolution of Water Diffusion in a Sorption-Enhanced Methanation Catalyst. <i>Catalysts</i> , 2018, 8, 341.	3.5	13
10	Reactivity enhancement of oxide skins in reversible Ti-doped NaAlH <sub>4</sub> . <i>AIP Advances</i> , 2014, 4, 127130.	1.3	8
11	Effect of hydriding induced defects on the small-scale plasticity mechanisms in nanocrystalline palladium thin films. <i>Journal of Applied Physics</i> , 2018, 124, 225105.	2.5	2