

JosÃ© Bellosta von Colbe

List of Publications by Year in descending order

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13
papers

1,241
citations

932766

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1125271

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13
all docs

13
docs citations

13
times ranked

1256
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of the hydrogen sorption kinetics in an AB2 laves type metal hydride alloy. Journal of Alloys and Compounds, 2022, 893, 162135.	2.8	20
2	A Novel Emergency Gas-to-Power System Based on an Efficient and Long-Lasting Solid-State Hydride Storage System: Modeling and Experimental Validation. Energies, 2022, 15, 844.	1.6	3
3	Magnesium- and intermetallic alloys-based hydrides for energy storage: modelling, synthesis and properties. Progress in Energy, 2022, 4, 032007.	4.6	29
4	HYDRIDE4MOBILITY: An EU HORIZON 2020 project on hydrogen powered fuel cell utility vehicles using metal hydrides in hydrogen storage and refuelling systems. International Journal of Hydrogen Energy, 2021, 46, 35896-35909.	3.8	34
5	Materials for hydrogen-based energy storage – past, recent progress and future outlook. Journal of Alloys and Compounds, 2020, 827, 153548.	2.8	518
6	Effect of the Process Parameters on the Energy Transfer during the Synthesis of the 2LiBH ₄ -MgH ₂ Reactive Hydride Composite for Hydrogen Storage. Metals, 2019, 9, 349.	1.0	11
7	Application of hydrides in hydrogen storage and compression: Achievements, outlook and perspectives. International Journal of Hydrogen Energy, 2019, 44, 7780-7808.	3.8	486
8	New Insight on the Hydrogen Absorption Evolution of the Mg-Fe-H System under Equilibrium Conditions. Metals, 2018, 8, 967.	1.0	17
9	Fundamental Material Properties of the 2LiBH ₄ -MgH ₂ Reactive Hydride Composite for Hydrogen Storage: (II) Kinetic Properties. Energies, 2018, 11, 1170.	1.6	21
10	Fundamental Material Properties of the 2LiBH ₄ -MgH ₂ Reactive Hydride Composite for Hydrogen Storage: (I) Thermodynamic and Heat Transfer Properties. Energies, 2018, 11, 1081.	1.6	24
11	Hydrogen storage in Mg-LiBH ₄ composites catalyzed by FeF ₃ . Journal of Power Sources, 2014, 267, 799-811.	4.0	36
12	Sorption behavior of the MgH ₂ -Mg ₂ FeH ₆ hydride storage system synthesized by mechanical milling followed by sintering. International Journal of Hydrogen Energy, 2013, 38, 14618-14630.	3.8	37
13	Application of Danckwerts-type boundary conditions to the modeling of the thermal behavior of metal hydride reactors. Chemical Engineering Science, 2011, 66, 4654-4662.	1.9	5