Ki Beom Park

List of Publications by Year
in descending order

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17	215	933447	996975
papers	citations	10	15
		h-index	g-index

17	17	17	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterizations of Hydrogen Absorption and Surface Properties of Ti0.2Zr0.2Nb0.2V0.2Cr0.17Fe0.03ÂHigh Entropy Alloy with Dual Phases. Metals and Materials International, 2022, 28, 565-571.	3.4	6
2	An integrated computational and experimental method for predicting hydrogen plateau pressures of TiFe1-xMx-based room temperature hydrides. International Journal of Hydrogen Energy, 2022, 47, 17673-17682.	7.1	15
3	Spark plasma sintering behavior of TaNbHfZrTi high-entropy alloy powder synthesized by hydrogenation-dehydrogenation reaction. Intermetallics, 2021, 130, 107077.	3.9	10
4	Study on hydrogen absorption and surface properties of TiZrVNbCr high entropy alloy. Intermetallics, 2021, 130, 107074.	3.9	19
5	Characterization of microstructure and surface oxide of Ti1.2Fe hydrogen storage alloy. International Journal of Hydrogen Energy, 2021, 46, 13082-13087.	7.1	20
6	Effect of Fe substitution by Mn and Cr on first hydrogenation kinetics of air-exposed TiFe-based hydrogen storage alloy. Materials Characterization, 2021, 178, 111246.	4.4	24
7	Effect of Fe substitution on first hydrogenation kinetics of TiFe-based hydrogen storage alloys after air exposure. International Journal of Hydrogen Energy, 2021, 46, 30780-30789.	7.1	25
8	Density functional theory study on the role of ternary alloying elements in TiFe-based hydrogen storage alloys. Journal of Materials Science and Technology, 2021, 92, 148-158.	10.7	25
9	Preparation of spherical TaNbHfZrTi high-entropy alloy powders by a hydrogenationâ€“dehydrogenation reaction and thermal plasma treatment. Journal of Alloys and Compounds, 2020, 817, 152757.	5.5	18
10	Spheroidization behavior of water-atomized 316 stainless steel powder by inductively-coupled thermal plasma. Materials Today Communications, 2020, 25, 101488.	1.9	10
11	Effect of the microstructure refinement by powder metallurgy on the oxidation behavior of Nb-6Mo-20Si-3Cr silicide-based alloy. Materials Characterization, 2020, 170, 110708.	4.4	5
12	Sintering behaviour of Nbâ€“16Siâ€“25Tiâ€“8Hfâ€“2Crâ€“2Al alloy powder fabricated by a hydrogenationâ€“dehydrogenation method. Materials Science and Technology, 2020, 36, 1372-1380.	1.6	1
13	Synthesis of Nb-Mo-Si based in situ composite powder by a hydrogenation-dehydrogenation reaction. Materials Letters, 2019, 248, 32-35.	2.6	3
14	Oxygen Reduction Behavior of HDH TiH2 Powder during Dehydrogenation Reaction. Metals, 2019, 9, 1154.	2.3	11
15	Spark Plasma Sintering Behavior of Nb-Mo-Si Alloy Powders Fabricated by Hydrogenation-Dehydrogenation Method. Materials, 2019, 12, 3549.	2.9	3
16	Synthesis of Spherical V-Nb-Mo-Ta-W High-Entropy Alloy Powder Using Hydrogen Embrittlement and Spheroidization by Thermal Plasma. Metals, 2019, 9, 1296.	2.3	14
17	Preparation of Nb-silicide based alloy powder by hydrogenation-dehydrogenation reaction. International Journal of Refractory Metals and Hard Materials, 2018, 76, 180-184.	3.8	6