

Ki Beom Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Fe substitution on first hydrogenation kinetics of TiFe-based hydrogen storage alloys after air exposure. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30780-30789.	7.1	25
2	Density functional theory study on the role of ternary alloying elements in TiFe-based hydrogen storage alloys. <i>Journal of Materials Science and Technology</i> , 2021, 92, 148-158.	10.7	25
3	Effect of Fe substitution by Mn and Cr on first hydrogenation kinetics of air-exposed TiFe-based hydrogen storage alloy. <i>Materials Characterization</i> , 2021, 178, 111246.	4.4	24
4	Characterization of microstructure and surface oxide of Ti _{1.2} Fe hydrogen storage alloy. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13082-13087.	7.1	20
5	Study on hydrogen absorption and surface properties of TiZrVNbCr high entropy alloy. <i>Intermetallics</i> , 2021, 130, 107074.	3.9	19
6	Preparation of spherical TaNbHfZrTi high-entropy alloy powders by a hydrogenation-dehydrogenation reaction and thermal plasma treatment. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152757.	5.5	18
7	An integrated computational and experimental method for predicting hydrogen plateau pressures of TiFe _{1-x} M _x -based room temperature hydrides. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 17673-17682.	7.1	15
8	Synthesis of Spherical V-Nb-Mo-Ta-W High-Entropy Alloy Powder Using Hydrogen Embrittlement and Spheroidization by Thermal Plasma. <i>Metals</i> , 2019, 9, 1296.	2.3	14
9	Oxygen Reduction Behavior of HDH TiH ₂ Powder during Dehydrogenation Reaction. <i>Metals</i> , 2019, 9, 1154.	2.3	11
10	Spheroidization behavior of water-atomized 316 stainless steel powder by inductively-coupled thermal plasma. <i>Materials Today Communications</i> , 2020, 25, 101488.	1.9	10
11	Spark plasma sintering behavior of TaNbHfZrTi high-entropy alloy powder synthesized by hydrogenation-dehydrogenation reaction. <i>Intermetallics</i> , 2021, 130, 107077.	3.9	10
12	Preparation of Nb-silicide based alloy powder by hydrogenation-dehydrogenation reaction. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 76, 180-184.	3.8	6
13	Characterizations of Hydrogen Absorption and Surface Properties of Ti _{0.2} Zr _{0.2} Nb _{0.2} V _{0.2} Cr _{0.17} Fe _{0.03} High Entropy Alloy with Dual Phases. <i>Metals and Materials International</i> , 2022, 28, 565-571.	3.4	6
14	Effect of the microstructure refinement by powder metallurgy on the oxidation behavior of Nb-6Mo-20Si-3Cr silicide-based alloy. <i>Materials Characterization</i> , 2020, 170, 110708.	4.4	5
15	Synthesis of Nb-Mo-Si based in situ composite powder by a hydrogenation-dehydrogenation reaction. <i>Materials Letters</i> , 2019, 248, 32-35.	2.6	3
16	Spark Plasma Sintering Behavior of Nb-Mo-Si Alloy Powders Fabricated by Hydrogenation-Dehydrogenation Method. <i>Materials</i> , 2019, 12, 3549.	2.9	3
17	Sintering behaviour of Nb ₁₆ Si ₂₅ Ti ₈ Hf ₂ Cr ₂ Al alloy powder fabricated by a hydrogenation-dehydrogenation method. <i>Materials Science and Technology</i> , 2020, 36, 1372-1380.	1.6	1