Seemita Banerjee

List of Publications by Year
in descending order

28	641	516710 16	580821 25
papers	citations	h-index	g-index

29	29	29	680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative evaluation of hydrogen storage behavior of Pd doped carbon nanotubes prepared by wet impregnation and polyol methods. International Journal of Hydrogen Energy, 2015, 40, 3268-3276.	7.1	62
2	Structural evolution of turbostratic carbon: Implications in H2 storage. Solid State Sciences, 2016, 62, 105-111.	3.2	49
3	Effect of cycling on hydrogen storage properties of Ti2CrV alloy. International Journal of Hydrogen Energy, 2012, 37, 3677-3682.	7.1	39
4	Hydrogen storage on Ti decorated SiC nanostructures: A first principles study. International Journal of Hydrogen Energy, 2012, 37, 3733-3740.	7.1	39
5	Improvement of hydrogen storage properties of TiCrV alloy by Zr substitution for Ti. International Journal of Hydrogen Energy, 2009, 34, 6684-6689.	7.1	37
6	Effect of surface functional groups on hydrogen adsorption properties of Pd dispersed reduced graphene oxide. International Journal of Hydrogen Energy, 2017, 42, 8032-8041.	7.1	37
7	Effect of in-situ boron doping on hydrogen adsorption properties of carbon nanotubes. International Journal of Hydrogen Energy, 2019, 44, 18193-18204.	7.1	37
8	Nature of the Pdâ€“CNT interaction in Pd nanoparticles dispersed on multi-walled carbon nanotubes and its implications in hydrogen storage properties. RSC Advances, 2015, 5, 41468-41474.	3.6	33
9	Synthesis of boron and nitrogen co-doped carbon nanotubes and their application in hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 13406-13413.	7.1	33
10	Thermodynamics, kinetics and microstructural evolution of Ti 0.43 Zr 0.07 Cr 0.25 V 0.25 alloy upon hydrogenation. International Journal of Hydrogen Energy, 2017, 42, 11482-11492.	7.1	29
11	Hydrogen storage properties of Ti2â^'xCrVMx (MÂ=ÂFe, Co, Ni) alloys. International Journal of Hydrogen Energy, 2013, 38, 13335-13342.	7.1	25
12	Influence of Laves phase on microstructure and hydrogen storage properties of Tiâ€“Crâ€“V based alloy. International Journal of Hydrogen Energy, 2016, 41, 18130-18140.	7.1	25
13	Nitrogen doped porous carbon derived from EDTA: Effect of pores on hydrogen storage properties. International Journal of Hydrogen Energy, 2018, 43, 8385-8394.	7.1	24
14	Electrochemical performance of hydrothermally synthesized N-Doped reduced graphene oxide electrodes for supercapacitor application. Solid State Sciences, 2019, 96, 105952.	3.2	24
15	Hydrogen storage in boron-doped carbon nanotubes: Effect of dopant concentration. International Journal of Hydrogen Energy, 2021, 46, 39297-39314.	7.1	23
16	Metal-Free Supramolecular Catalytic Hydrolysis of Ammonia Borane through Cucurbituril Nanocavitands. ACS Applied Materials & Interfaces, 2021, 13, 16218-16226.	8.0	19
17	In-situ nitrogen doping in carbon nanotubes using a fluidized bed reactor and hydrogen storage behavior of the doped nanotubes. International Journal of Hydrogen Energy, 2017, 42, 10047-10056.	7.1	18
18	Improvement of the hydrogen storage properties and electrochemical characteristics of Ti0.85VFe0.15 alloy by Ce substitution. Journal of Alloys and Compounds, 2011, 509, 9079-9083.	5.5	15

#	Article	IF	Citations
19	Hydrogen storage properties of Ti0.32Cr0.43V0.25 alloy and its composite with TiMn2. Journal of Alloys and Compounds, 2015, 649, 801-808.	5.5	15
20	Nitrogen-doped hierarchically porous carbon obtained via single step method for high performance supercapacitors. International Journal of Hydrogen Energy, 2022, 47, 12829-12840.	7.1	15
21	Hydrogen absorption characteristics and MÃ¶ssbauer spectroscopic study of Ti0.67Nb0.33â^'xFex (x=0.00,) Tj ETQq1 1 0.784314 rgBT	5.5	11
22	Conformers of hydrogenated SiC honeycomb structure: A first principles study. AIP Advances, 2013, 3, 082136.	1.3	9
23	On the nature of interaction between Pd nanoparticles and C3N4 support. Solid State Sciences, 2018, 83, 70-75.	3.2	9
24	Improvement of hydrogen storage characteristics of catalyst free magnesium nanoparticles prepared by wet milling. International Journal of Energy Research, 2021, 45, 17597-17608.	4.5	9
25	Hydrogen storage properties of Ti2FeV BCC solid solution. Journal of Chemical Sciences, 2019, 131, 1.	1.5	4
26	Hydrogenation of HoCu: Hydride formation and magnetic properties. Journal of Alloys and Compounds, 2009, 467, 10-13.	5.5	1
27	Synthesis, characterization and hydrogen storage studies on porous carbon. AIP Conference Proceedings, 2015, , .	0.4	0
28	Synthesis and Characterization of Metal Hydrides and Their Application. Indian Institute of Metals Series, 2021, , 785-830.	0.3	0