

# Seemita Banerjee

## List of Publications by Year in descending order

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28  
papers

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citations

516710

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580821

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docs citations

29  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Metal-Free Supramolecular Catalytic Hydrolysis of Ammonia Borane through Cucurbituril Nanocavitands. ACS Applied Materials & Interfaces, 2021, 13, 16218-16226.	8.0	19
3	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
4	Synthesis and Characterization of Metal Hydrides and Their Application. Indian Institute of Metals Series, 2021, , 785-830.	0.3	0
5	Hydrogen storage in boron-doped carbon nanotubes: Effect of dopant concentration. International Journal of Hydrogen Energy, 2021, 46, 39297-39314.	7.1	23
6	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
7	Electrochemical performance of hydrothermally synthesized N-Doped reduced graphene oxide electrodes for supercapacitor application. Solid State Sciences, 2019, 96, 105952.	3.2	24
8	Hydrogen storage properties of Ti2FeV BCC solid solution. Journal of Chemical Sciences, 2019, 131, 1.	1.5	4
9	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
10	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
11	On the nature of interaction between Pd nanoparticles and C3N4 support. Solid State Sciences, 2018, 83, 70-75.	3.2	9
12	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
13	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
14	Thermodynamics, kinetics and microstructural evolution of Ti <sub>0.43</sub> Zr <sub>0.07</sub> Cr <sub>0.25</sub> V <sub>0.25</sub> alloy upon hydrogenation. International Journal of Hydrogen Energy, 2017, 42, 11482-11492.	7.1	29
15	Influence of Laves phase on microstructure and hydrogen storage properties of Ti-Cr-V based alloy. International Journal of Hydrogen Energy, 2016, 41, 18130-18140.	7.1	25
16	Structural evolution of turbostratic carbon: Implications in H <sub>2</sub> storage. Solid State Sciences, 2016, 62, 105-111.	3.2	49
17	Synthesis, characterization and hydrogen storage studies on porous carbon. AIP Conference Proceedings, 2015, , .	0.4	0
18	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

#	ARTICLE	IF	CITATIONS
19	Hydrogen storage properties of Ti <sub>0.32</sub> Cr <sub>0.43</sub> V <sub>0.25</sub> alloy and its composite with TiMn <sub>2</sub> . Journal of Alloys and Compounds, 2015, 649, 801-808.	5.5	15
20	Nature of the Pd-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
21	Hydrogen absorption characteristics and Mössbauer spectroscopic study of Ti <sub>0.67</sub> Nb <sub>0.33</sub> xFe <sub>x</sub> (x=0.00, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0). Journal of Alloys and Compounds, 2015, 649, 1143-1148.	3.5	11
22	Conformers of hydrogenated SiC honeycomb structure: A first principles study. AIP Advances, 2013, 3, 082136.	1.3	9
23	Hydrogen storage properties of Ti <sub>2</sub> xCrVM <sub>x</sub> (M=Fe, Co, Ni) alloys. International Journal of Hydrogen Energy, 2013, 38, 13335-13342.	7.1	25
24	Effect of cycling on hydrogen storage properties of Ti <sub>2</sub> CrV alloy. International Journal of Hydrogen Energy, 2012, 37, 3677-3682.	7.1	39
25	Hydrogen storage on Ti decorated SiC nanostructures: A first principles study. International Journal of Hydrogen Energy, 2012, 37, 3733-3740.	7.1	39
26	Improvement of the hydrogen storage properties and electrochemical characteristics of Ti <sub>0.85</sub> VFe <sub>0.15</sub> alloy by Ce substitution. Journal of Alloys and Compounds, 2011, 509, 9079-9083.	5.5	15
27	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
28	Hydrogenation of HoCu: Hydride formation and magnetic properties. Journal of Alloys and Compounds, 2009, 467, 10-13.	5.5	1