Eun Seon Cho

List of Publications by Year
in descending order

23 papers	1,244 citations	623734 14 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1569 citing authors

#	Article	IF	Citations
1	Enhancement of effective thermal conductivity of rGO/Mg nanocomposite packed beds. International Journal of Heat and Mass Transfer, 2022, 192, 122891.	4.8	8
2	Heteroatom-Doped Graphenes as Actively Interacting 2D Encapsulation Media for Mg-Based Hydrogen Storage. ACS Applied Materials & Interfaces, 2022, 14, 20823-20834.	8.0	19
3	Uncovering the Encapsulation Effect of Reduced Graphene Oxide Sheets on Hydrogen Storage Properties of Palladium Nanocubes. Nanoscale, 2021, 13, 16942-16951.	5.6	8
4	Revealing the role of defects in graphene oxide in the evolution of magnesium nanocrystals and the resulting effects on hydrogen storage. Journal of Materials Chemistry A, 2021, 9, 9875-9881.	10.3	27
5	Computational Screening of Trillions of Metalâ€“Organic Frameworks for High-Performance Methane Storage. ACS Applied Materials & Interfaces, 2021, 13, 23647-23654.	8.0	81
6	Reversing the Irreversible: Thermodynamic Stabilization of LiAlH₄ Nanoconfined Within a Nitrogen-Doped Carbon Host. ACS Nano, 2021, 15, 10163-10174.	14.6	24
7	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. Angewandte Chemie, 2021, 133, 22652-22660.	2.0	6
8	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. Angewandte Chemie - International Edition, 2021, 60, 22478-22486.	13.8	31
9	Chemomechanical effect of reduced graphene oxide encapsulation on hydrogen storage performance of Pd nanoparticles. Journal of Materials Chemistry A, 2021, 9, 11641-11650.	10.3	6
10	Enhanced hydrogen storage kinetics and air stability of nanoconfined NaAlH₄ in graphene oxide framework. RSC Advances, 2021, 11, 32533-32540.	3.6	5
11	Effect of carbon nanoscaffolds on hydrogen storage performance of magnesium hydride. Korean Journal of Chemical Engineering, 2020, 37, 1306-1316.	2.7	15
12	Ultrathin Magnesium Nanosheet for Improved Hydrogen Storage with Fishbone Shaped One-Dimensional Carbon Matrix. ACS Applied Energy Materials, 2020, 3, 8143-8149.	5.1	16
13	Design of Subâ€Nanochannels between Graphene Oxide Sheets via Crown Ether Intercalation to Selectively Regulate Cation Permeation. Advanced Materials Interfaces, 2020, 7, 1901876.	3.7	17
14	Edge-Functionalized Graphene Nanoribbon Encapsulation To Enhance Stability and Control Kinetics of Hydrogen Storage Materials. Chemistry of Materials, 2019, 31, 2960-2970.	6.7	26
15	Inâ€Situ/Operando Xâ€ray Characterization of Metal Hydrides. ChemPhysChem, 2019, 20, 1261-1271.	2.1	12
16	Nanostructured Metal Hydrides for Hydrogen Storage. Chemical Reviews, 2018, 118, 10775-10839.	47.7	461
17	An assessment of strategies for the development of solid-state adsorbents for vehicular hydrogen storage. Energy and Environmental Science, 2018, 11, 2784-2812.	30.8	162
18	Hierarchically Controlled Insideâ€Out Doping of Mg Nanocomposites for Moderate Temperature Hydrogen Storage. Advanced Functional Materials, 2017, 27, 1704316.	14.9	72

#	Article	IF	Citations
19	Atomically Thin Interfacial Suboxide Key to Hydrogen Storage Performance Enhancements of Magnesium Nanoparticles Encapsulated in Reduced Graphene Oxide. Nano Letters, 2017, 17, 5540-5545.	9.1	37
20	Tailoring Polymer Conformation for Nanocrystal Growth: The Role of Chain Length and Solvent. Small, 2017, 13, 1602572.	10.0	6
21	Graphene oxide/metal nanocrystal multilaminates as the atomic limit for safe and selective hydrogen storage. Nature Communications, 2016, 7, 10804.	12.8	178
22	Synergetic Effect of Physicochemical and Electrostatic Strategies on Ion Sieving for Polymer Cross-linked Graphene Oxide Membrane. Environmental Science: Nano, 0, , .	4.3	2
23	Facile Fabrication of Defect-Controlled Graphene Oxide Membrane through Shear-Induced Alignment for Regulating Ion Transport. ACS Omega, 0, , .	3.5	1