

Eun Seon Cho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2120959/publications.pdf>

Version: 2024-02-01

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	Nanostructured Metal Hydrides for Hydrogen Storage. <i>Chemical Reviews</i> , 2018, 118, 10775-10839.	47.7	461
2	Graphene oxide/metal nanocrystal multilaminates as the atomic limit for safe and selective hydrogen storage. <i>Nature Communications</i> , 2016, 7, 10804.	12.8	178
3	An assessment of strategies for the development of solid-state adsorbents for vehicular hydrogen storage. <i>Energy and Environmental Science</i> , 2018, 11, 2784-2812.	30.8	162
4	Computational Screening of Trillions of Metal-Organic Frameworks for High-Performance Methane Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23647-23654.	8.0	81
5	Hierarchically Controlled Inside-Out Doping of Mg Nanocomposites for Moderate Temperature Hydrogen Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1704316.	14.9	72
6	Atomically Thin Interfacial Suboxide Key to Hydrogen Storage Performance Enhancements of Magnesium Nanoparticles Encapsulated in Reduced Graphene Oxide. <i>Nano Letters</i> , 2017, 17, 5540-5545.	9.1	37
7	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22478-22486.	13.8	31
8	Revealing the role of defects in graphene oxide in the evolution of magnesium nanocrystals and the resulting effects on hydrogen storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9875-9881.	10.3	27
9	Edge-Functionalized Graphene Nanoribbon Encapsulation To Enhance Stability and Control Kinetics of Hydrogen Storage Materials. <i>Chemistry of Materials</i> , 2019, 31, 2960-2970.	6.7	26
10	Reversing the Irreversible: Thermodynamic Stabilization of LiAlH_4 Nanoconfined Within a Nitrogen-Doped Carbon Host. <i>ACS Nano</i> , 2021, 15, 10163-10174.	14.6	24
11	Heteroatom-Doped Graphenes as Actively Interacting 2D Encapsulation Media for Mg-Based Hydrogen Storage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20823-20834.	8.0	19
12	Design of Sub-Nanochannels between Graphene Oxide Sheets via Crown Ether Intercalation to Selectively Regulate Cation Permeation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901876.	3.7	17
13	Ultrathin Magnesium Nanosheet for Improved Hydrogen Storage with Fishbone Shaped One-Dimensional Carbon Matrix. <i>ACS Applied Energy Materials</i> , 2020, 3, 8143-8149.	5.1	16
14	Effect of carbon nanoscaffolds on hydrogen storage performance of magnesium hydride. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1306-1316.	2.7	15
15	In-Situ/Operando X-ray Characterization of Metal Hydrides. <i>ChemPhysChem</i> , 2019, 20, 1261-1271.	2.1	12
16	Uncovering the Encapsulation Effect of Reduced Graphene Oxide Sheets on Hydrogen Storage Properties of Palladium Nanocubes. <i>Nanoscale</i> , 2021, 13, 16942-16951.	5.6	8
17	Enhancement of effective thermal conductivity of rGO/Mg nanocomposite packed beds. <i>International Journal of Heat and Mass Transfer</i> , 2022, 192, 122891.	4.8	8
18	Tailoring Polymer Conformation for Nanocrystal Growth: The Role of Chain Length and Solvent. <i>Small</i> , 2017, 13, 1602572.	10.0	6

#	ARTICLE	IF	CITATIONS
19	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. <i>Angewandte Chemie</i> , 2021, 133, 22652-22660.	2.0	6
20	Chemomechanical effect of reduced graphene oxide encapsulation on hydrogen storage performance of Pd nanoparticles. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11641-11650.	10.3	6
21	Enhanced hydrogen storage kinetics and air stability of nanoconfined NaAlH ₄ in graphene oxide framework. <i>RSC Advances</i> , 2021, 11, 32533-32540.	3.6	5
22	Synergetic Effect of Physicochemical and Electrostatic Strategies on Ion Sieving for Polymer Cross-linked Graphene Oxide Membrane. <i>Environmental Science: Nano</i> , , .	4.3	2
23	Facile Fabrication of Defect-Controlled Graphene Oxide Membrane through Shear-Induced Alignment for Regulating Ion Transport. <i>ACS Omega</i> , 0, , .	3.5	1