

Vishwanath Hiremath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5644564/publications.pdf>

Version: 2024-02-01

20
papers

534
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly reversible CO ₂ capture using amino acid functionalized ionic liquids immobilized on mesoporous silica. <i>Chemical Engineering Journal</i> , 2016, 287, 602-617.	12.7	89
2	Fine-tuning of the Carbon Dioxide Capture Capability of Diamine-grafted Metal-Organic Framework Adsorbents Through Amine Functionalization. <i>ChemSusChem</i> , 2017, 10, 541-550.	6.8	88
3	Elevated temperature CO ₂ capture on nano-structured MgO-Al ₂ O ₃ aerogel: Effect of Mg/Al molar ratio. <i>Chemical Engineering Journal</i> , 2014, 242, 357-363.	12.7	87
4	Controlled oxidation state of Ti in MgO-TiO ₂ composite for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2017, 308, 177-183.	12.7	49
5	Diamine-Functionalization of a Metal-Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. <i>ChemSusChem</i> , 2018, 11, 1694-1707.	6.8	40
6	Mesoporous magnesium oxide nanoparticles derived via complexation-combustion for enhanced performance in carbon dioxide capture. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 55-63.	9.4	33
7	Self-assembled Mn ₃ O ₄ nano-clusters over carbon nanotube threads with enhanced supercapacitor performance. <i>New Journal of Chemistry</i> , 2018, 42, 19608-19614.	2.8	29
8	Eutectic mixture promoted CO ₂ sorption on MgO-TiO ₂ composite at elevated temperature. <i>Journal of Environmental Sciences</i> , 2019, 76, 80-88.	6.1	19
9	Hierarchically assembled porous TiO ₂ nanoparticles with enhanced photocatalytic activity towards Rhodamine-B degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124199.	4.7	16
10	Encapsulation of Phase-Changing Eutectic Salts in Magnesium Oxide Fibers for High-Temperature Carbon Dioxide Capture: Beyond the Capacity-Stability Tradeoff. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 518-526.	8.0	13
11	Highly porous honeycomb-like activated carbon derived using cellulose pulp for symmetric supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 4385-4395.	4.5	13
12	MgO insertion endowed strong basicity in mesoporous alumina framework and improved CO ₂ sorption capacity. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101294.	6.8	12
13	Mg Ion Inversion in MgO@MgO-Al ₂ O ₃ Oxides: The Origin of Basic Sites. <i>ChemSusChem</i> , 2019, 12, 2810-2818.	6.8	11
14	Synthesis and Characterization of AlCl ₃ Impregnated Molybdenum Oxide as Heterogeneous Nano-Catalyst for the Friedel-Crafts Acylation Reaction in Ambient Condition. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8243-8250.	0.9	10
15	Sacrificial templating method for fabrication of MgO-Al ₂ O ₃ @C spheres and their application to CO ₂ capture. <i>Materials Letters</i> , 2018, 211, 304-307.	2.6	7
16	Stabilization of NaNO ₃ -Promoted Magnesium Oxide for High-Temperature CO ₂ Capture. <i>Environmental Science & Technology</i> , 2018, 52, 11952-11959.	10.0	7
17	Preparation and Characterization of Electro-Spun Fabricated Ag-TiO ₂ Composite Nanofibers and Its Enhanced Photo-Catalytic Activity for the Degradation of Congo Red. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 7988-7996.	0.9	5
18	Synergistic activating effect of promoter and oxidant in single step conversion of methane into methanol over a tailored polymer-Ag coordination complex. <i>RSC Advances</i> , 2017, 7, 24168-24176.	3.6	4

#	ARTICLE	IF	CITATIONS
19	Induced application of biological waste Escherichia coli functionalized with an amine-based polymer for CO ₂ capture. RSC Advances, 2016, 6, 77535-77544.	3.6	2
20	Promoting Discarded Packing Waste into Value-Added 2D Porous Carbon Flakes for Multifunctional Applications. ACS Sustainable Chemistry and Engineering, 2019, , .	6.7	0