

Kinetic and thermodynamic study of n-pentane adsorption  
by either carbonization or impregnation with ammonium

Microporous and Mesoporous Materials

302, 110196

DOI: [10.1016/j.micromeso.2020.110196](https://doi.org/10.1016/j.micromeso.2020.110196)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Adsorption of Anionic Dye on the Acid-Functionalized Bentonite. <i>Materials</i> , 2020, 13, 3600.	2.9	49
2	A review of common practices in gravimetric and volumetric adsorption kinetic experiments. <i>Adsorption</i> , 2021, 27, 295-318.	3.0	45
3	Influence of mixed alkali on the preparation of edible fungus substrate porous carbon material and its application for the removal of dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125675.	4.7	16
4	Effective treatment and the valorization of solid and liquid toxic discharges from olive oil industries, for sustainable and clean production of bio-coal. <i>Journal of Cleaner Production</i> , 2021, 288, 125649.	9.3	17
5	Adsorption of 5-Hydroxymethylfurfural, Levulinic Acid, Formic Acid, and Glucose Using Polymeric Resins Modified with Different Functional Groups. <i>ACS Omega</i> , 2021, 6, 16955-16968.	3.5	14
6	Zr-MOFs Integrated with a Guest Capturer and a Photosensitizer for the Simultaneous Adsorption and Degradation of 4-Chlorophenol. <i>Langmuir</i> , 2021, 37, 8157-8166.	3.5	11
7	Trimethylchlorosilane modified activated carbon for the adsorption of VOCs at high humidity. <i>Separation and Purification Technology</i> , 2021, 272, 118659.	7.9	36
8	Trap efficiency of exhaust gas pollutants in microporous sorbents under representative driving conditions. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120962.	20.2	8
9	Synthesis of rGO/AgNPs adsorbent for the effective removal of two basic dyes: kinetics, isotherms and thermodynamic studies. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 11483-11500.	3.5	2
10	Nitrogen-doped porous biochar for selective adsorption of toluene under humid conditions. <i>Fuel</i> , 2023, 334, 126452.	6.4	22
11	Using of Adsorbents Produced from Waste Polyethylene Pyrolysis Char in Adsorption of Some Aromatic Hydrocarbon Gases and Recoverability of Waste Adsorbents as Fuel. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	0
12	Molecular simulation of the effects of activated carbon structure on the adsorption performance for volatile organic compounds in fumes from gasoline. <i>Environmental Progress and Sustainable Energy</i> , 0, , .	2.3	0
13	A comprehensive evaluation of commercial activated carbon for key gasoline vapor removal based on the improved AHP method. <i>Journal of Environmental Chemical Engineering</i> , 2024, 12, 111829.	6.7	0