

Barbara Szczesniak

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19 papers	515 citations	11 h-index	20 g-index
20 ext. papers	807 ext. citations	8 avg, IF	5.03 L-index

#	Paper	IF	Citations
19	Gas adsorption properties of hybrid graphene-MOF materials. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 801-813	9.3	99
18	Gas adsorption properties of graphene-based materials. <i>Advances in Colloid and Interface Science</i> , 2017 , 243, 46-59	14.3	75
17	Mechanochemical synthesis of highly porous materials. <i>Materials Horizons</i> , 2020 , 7, 1457-1473	14.4	70
16	Major advances in the development of ordered mesoporous materials. <i>Chemical Communications</i> , 2020 , 56, 7836-7848	5.8	41
15	Mechanochemistry: Toward green synthesis of metal-organic frameworks. <i>Materials Today</i> , 2021 , 46, 109-124	21.8	38
14	Ultrahigh benzene adsorption capacity of graphene-MOF composite fabricated via MOF crystallization in 3D mesoporous graphene. <i>Microporous and Mesoporous Materials</i> , 2019 , 279, 387-394	5.3	34
13	Recent advances in the development and applications of biomass-derived carbons with uniform porosity. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18464-18491	13	27
12	Effect of graphene oxide on the adsorption properties of ordered mesoporous carbons toward H ₂ , C ₆ H ₆ , CH ₄ and CO ₂ . <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 105-110	5.3	27
11	Highly porous carbons obtained by activation of polypyrrole/reduced graphene oxide as effective adsorbents for CO ₂ , H ₂ and C ₆ H ₆ . <i>Journal of Porous Materials</i> , 2018 , 25, 621-627	2.4	18
10	Graphene-containing microporous composites for selective CO ₂ adsorption. <i>Microporous and Mesoporous Materials</i> , 2020 , 292, 109761	5.3	14
9	Benzene adsorption on synthesized and commercial metal-organic frameworks. <i>Journal of Porous Materials</i> , 2019 , 26, 775-783	2.4	13
8	Mechanochemical synthesis of three-component graphene oxide/ordered mesoporous carbon/metal-organic framework composites. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 163-172	9.3	11
7	Tailoring surface and structural properties of composite materials by coupling Pt-decorated graphene oxide and ZIF-8-derived carbon. <i>Applied Surface Science</i> , 2018 , 459, 760-766	6.7	9
6	Advances in Microwave Synthesis of Nanoporous Materials. <i>Advanced Materials</i> , 2021 , 33, e2103477	24	9
5	High benzene adsorption capacity of micro-mesoporous carbon spheres prepared from XAD-4 resin beads with pores protected effectively by silica. <i>Journal of Materials Science</i> , 2019 , 54, 13892-13900	4.3	8
4	Facile mechanochemical synthesis of highly mesoporous γ-Al ₂ O ₃ using boehmite. <i>Microporous and Mesoporous Materials</i> , 2021 , 312, 110792	5.3	7
3	Development of activated graphene-MOF composites for H ₂ and CH ₄ adsorption. <i>Adsorption</i> , 2019 , 25, 521-528	2.6	6

2	Recent advances in mechanochemical synthesis of mesoporous metal oxides. <i>Materials Advances</i> , 2021 , 2, 2510-2523	3.3	6
1	Highly Porous Carbons Synthesized from Tannic Acid via a Combined Mechanochemical Salt-Templating and Mild Activation Strategy. <i>Molecules</i> , 2021 , 26,	4.8	2