# Barbara Szczesniak

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Mechanochemistry: Toward green synthesis of metal–organic frameworks. *Materials Today*, **2021**, 46, 109-124 | 21.8 | 38 |
| 18 | Facile mechanochemical synthesis of highly mesoporous γ-Al2O3 using boehmite. *Microporous and Mesoporous Materials*, **2021**, 312, 110792 | 5.3 | 7 |
| 17 | Recent advances in mechanochemical synthesis of mesoporous metal oxides. *Materials Advances*, **2021**, 2, 2510-2523 | 3.3 | 6 |
| 16 | Highly Porous Carbons Synthesized from Tannic Acid via a Combined Mechanochemical Salt-Templating and Mild Activation Strategy. *Molecules*, **2021**, 26, | 4.8 | 2 |
| 15 | Advances in Microwave Synthesis of Nanoporous Materials. *Advanced Materials*, **2021**, 33, e2103477 | 24 | 9 |
| 14 | Major advances in the development of ordered mesoporous materials. *Chemical Communications*, **2020**, 56, 7836-7848 | 5.8 | 41 |
| 13 | Mechanochemical synthesis of highly porous materials. *Materials Horizons*, **2020**, 7, 1457-1473 | 14.4 | 70 |
| 12 | Mechanochemical synthesis of three-component graphene oxide/ordered mesoporous carbon/metal-organic framework composites. *Journal of Colloid and Interface Science*, **2020**, 577, 163-172 | 9.3 | 11 |
| 11 | Recent advances in the development and applications of biomass-derived carbons with uniform porosity. *Journal of Materials Chemistry A*, **2020**, 8, 18464-18491 | 13 | 27 |
| 10 | Graphene-containing microporous composites for selective CO2 adsorption. *Microporous and Mesoporous Materials*, **2020**, 292, 109761 | 5.3 | 14 |
| 9 | High benzene adsorption capacity of micro-mesoporous carbon spheres prepared from XAD-4 resin beads with pores protected effectively by silica. *Journal of Materials Science*, **2019**, 54, 13892-13900 | 4.3 | 8 |
| 8 | Development of activated graphene-MOF composites for H2 and CH4 adsorption. *Adsorption*, **2019**, 25, 521-528 | 2.6 | 6 |
| 7 | Ultrahigh benzene adsorption capacity of graphene-MOF composite fabricated via MOF crystallization in 3D mesoporous graphene. *Microporous and Mesoporous Materials*, **2019**, 279, 387-394 | 5.3 | 34 |
| 6 | Benzene adsorption on synthesized and commercial metal–organic frameworks. *Journal of Porous Materials*, **2019**, 26, 775-783 | 2.4 | 13 |
| 5 | Highly porous carbons obtained by activation of polypyrrole/reduced graphene oxide as effective adsorbents for CO2, H2 and C6H6. *Journal of Porous Materials*, **2018**, 25, 621-627 | 2.4 | 18 |
| 4 | Tailoring surface and structural properties of composite materials by coupling Pt-decorated graphene oxide and ZIF-8-derived carbon. *Applied Surface Science*, **2018**, 459, 760-766 | 6.7 | 9 |
| 3 | Gas adsorption properties of hybrid graphene-MOF materials. *Journal of Colloid and Interface Science*, **2018**, 514, 801-813 | 9.3 | 99 |

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|---|---|---|---|
| 2 | Effect of graphene oxide on the adsorption properties of ordered mesoporous carbons toward H2, C6H6, CH4 and CO2. *Microporous and Mesoporous Materials*, **2018**, 261, 105-110 | 5.3 | 27 |
| 1 | Gas adsorption properties of graphene-based materials. *Advances in Colloid and Interface Science*, **2017**, 243, 46-59 | 14.3 | 75 |