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Tailoring biomass-based activated carbon for CH₄ storage by combining chemical activation with H₃PO₄ or ZnCl₂ and physical activation with CO₂

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#	Paper	IF	Citations
98	Nanoarchitectonics of Nanoporous Carbon Materials from Natural Resource for Supercapacitor Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 48-56	3.2	21
97	Physicochemical and adsorptive characteristics of activated carbons from waste polyester textiles utilizing MgO template method. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22602-22612	5.1	13
96	Mesoporous activated carbons synthesized by pyrolysis of waste polyester textiles mixed with Mg-containing compounds and their Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 549, 86-93	5.1	20
95	A cross-disciplinary overview of naturally derived materials for electrochemical energy storage. <i>Materials Today Energy</i> , 2018 , 7, 58-79	7	34
94	Highly mesoporous activated carbon synthesized by pyrolysis of waste polyester textiles and MgCl ₂ : Physiochemical characteristics and pore-forming mechanism. <i>Journal of Cleaner Production</i> , 2018 , 192, 453-461	10.3	42
93	Optimizing the fabrication of carbon nanotube electrode for effective capacitive deionization via electrophoretic deposition strategy. <i>Progress in Natural Science: Materials International</i> , 2018 , 28, 251-257 ^{3,6}	3.6	18
92	Preparation and characterization of high surface area activated carbon from pine wood sawdust by fast activation with H ₃ PO ₄ in a spouted bed. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 925-936	3.4	14
91	Box-Behnken design approach towards optimization of activated carbon synthesized by co-pyrolysis of waste polyester textiles and MgCl ₂ . <i>Applied Surface Science</i> , 2018 , 427, 340-348	6.7	28
90	Removal of emerging contaminants from the environment by adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 150, 1-17	7	443
89	Activated carbon recycled from bitter-tea and palm shell wastes for capacitive desalination of salt water. <i>Journal of Cleaner Production</i> , 2018 , 174, 927-932	10.3	32
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81	Template-free and fast one-step synthesis from enzymatic hydrolysis lignin to hierarchical porous carbon for CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2019 , 280, 57-65	5.3	19
80	Activated carbon produced from waste coffee grounds for an effective removal of bisphenol-A in aqueous medium. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24850-24862	5.1	23
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