

Zhifeng Yan

List of Publications by Year in descending order

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papers

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401
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#	ARTICLE	IF	CITATIONS
1	Hierarchical dual-nanonet of polymer nanofibers and supramolecular nanofibrils for air filtration with a high filtration efficiency, low air resistance and high moisture permeation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14093-14100.	10.3	84
2	Extraction and characterization of microcrystalline cellulose from waste cotton fabrics via hydrothermal method. <i>Waste Management</i> , 2018, 82, 139-146.	7.4	56
3	Preparation and characterization of microcrystalline cellulose from waste cotton fabrics by using phosphotungstic acid. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 363-368.	7.5	41
4	NH ₃ adsorption on the Lewis and Bronsted acid sites of MoO ₃ (010) surface: A cluster DFT study. <i>Applied Surface Science</i> , 2014, 288, 690-694.	6.1	38
5	Separation and Characterization of Waste Cotton/polyester Blend Fabric with Hydrothermal Method. <i>Fibers and Polymers</i> , 2018, 19, 742-750.	2.1	31
6	Adsorption of NO on MoO ₃ (010) surface with different location of terminal oxygen vacancy defects: A density functional theory study. <i>Applied Surface Science</i> , 2012, 258, 3163-3167.	6.1	23
7	A cluster DFT study of NH ₃ and NO adsorption on the (MoO ₂) ₂ /HZSM-5 surface: Lewis versus Brønsted acid sites. <i>Applied Surface Science</i> , 2014, 321, 339-347.	6.1	21
8	Deeper insight into hydrolysis mechanisms of polyester/cotton blended fabrics for separation by explicit solvent models. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 596-605.	7.5	14
9	Microstructure and Mechanical Properties of AZ31B Magnesium Alloy via Ultrasonic Surface Rolling Process. <i>Advanced Engineering Materials</i> , 2021, 23, 2100076.	3.5	8
10	The Initial Stages of NH ₃ and NO Adsorption On (Mo ₂ O ₅) ₂ /HZSM-5 with Two Adjacent Unsaturated fiveFold Mo Sites in SCR Reaction: A Cluster DFT Study. <i>Catalysis Letters</i> , 2017, 147, 1006-1018.	2.6	4
11	As-extruded AZ31B magnesium alloy fatigue crack propagation behavior. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1114-1120.	1.0	3
12	Insights into adsorption performances and direct decomposition mechanisms of NO on [FeO] ₁ -ZSM-5: A density functional theory study. <i>Applied Surface Science</i> , 2020, 508, 145212.	6.1	1
13	Preparation of Silicalite-1 Nanosheets and its Application in Vapor-Phase Beckmann Rearrangement of Cyclohexanone Oxime. <i>Integrated Ferroelectrics</i> , 2021, 213, 12-20.	0.7	0