

Josphat Phiri

List of Publications by Year in descending order

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14
papers

696
citations

1040056

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1125743

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14
docs citations

14
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Porosity, Water Interaction, and Redispersion of Nanocellulose Hydrogels by Osmotic Dehydration. ACS Applied Polymer Materials, 2022, 4, 24-28.	4.4	11
2	Biological activity of multicomponent bio-hydrogels loaded with tragacanth gum. International Journal of Biological Macromolecules, 2022, 215, 691-704.	7.5	13
3	Genetically engineered protein based nacre-like nanocomposites with superior mechanical and electrochemical performance. Journal of Materials Chemistry A, 2020, 8, 656-669.	10.3	10
4	Willow Bark for Sustainable Energy Storage Systems. Materials, 2020, 13, 1016.	2.9	9
5	Multidimensional Co-exfoliated Activated Graphene-Based Carbon Hybrid for Supercapacitor Electrode. Energy Technology, 2019, 7, 1900578.	3.8	5
6	Furfural production in a biphasic system using a carbonaceous solid acid catalyst. Applied Catalysis A: General, 2019, 585, 117180.	4.3	31
7	Highly Porous Willow Wood-Derived Activated Carbon for High-Performance Supercapacitor Electrodes. ACS Omega, 2019, 4, 18108-18117.	3.5	111
8	Erosion and Abrasion Resistance, Mechanical Properties, and Structure of the TiN, Ti-Cr-Al-N and Cr-Al-Ti-N Coatings Deposited by CFUBMS. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 913-923.	1.1	15
9	Characterising exfoliated few-layer graphene interactions in co-processed nanofibrillated cellulose suspension via water retention and dispersion rheology. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 37-51.	3.5	4
10	A comparative study of mechanical, thermal and electrical properties of graphene-, graphene oxide- and reduced graphene oxide-doped microfibrillated cellulose nanocomposites. Composites Part B: Engineering, 2018, 147, 104-113.	12.0	128
11	Co-exfoliation and fabrication of graphene based microfibrillated cellulose composites – mechanical and thermal stability and functional conductive properties. Nanoscale, 2018, 10, 9569-9582.	5.6	20
12	High-concentration shear-exfoliated colloidal dispersion of surfactant-polymer-stabilized few-layer graphene sheets. Journal of Materials Science, 2017, 52, 8321-8337.	3.7	47
13	General overview of graphene: Production, properties and application in polymer composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 215, 9-28.	3.5	289
14	Fast dewatering of high nanocellulose content papers with in-situ generated cationic micro-nano bubbles. Drying Technology, 0, , 1-14.	3.1	3