

# Josphat Phiri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5958610/publications.pdf>

Version: 2024-02-01

14  
papers

696  
citations

1040056

9  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1052  
citing authors

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