

Abba A Abubakr

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4607257/abba-a-abubakr-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

80
citations

4
h-index

8
g-index

34
ext. papers

118
ext. citations

3.7
avg, IF

2.67
L-index

#	Paper	IF	Citations
22	Phase field modeling of V2O5 hot corrosion kinetics in thermal barrier coatings. <i>Computational Materials Science</i> , 2015 , 99, 105-116	3.2	34
21	Dust removal from a hydrophobic surface by rolling fizzy water droplets.. <i>RSC Advances</i> , 2020 , 10, 198113-198219	3.7	19
20	Droplet Rolling and Spinning in V-Shaped Hydrophobic Surfaces for Environmental Dust Mitigation. <i>Molecules</i> , 2020 , 25,	4.8	6
19	The effect of porosity on the hot corrosion failure of thermal barrier coatings. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2015 , 23, 075001	2	5
18	Adhesion characteristics of solution treated environmental dust. <i>Scientific Reports</i> , 2020 , 10, 13812	4.9	4
17	Droplet Impacting on a Hydrophobic Surface: Influence of Surface Wetting State on Droplet Behavior. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020 , 142,	2.1	3
16	Environmental dust repelling from hydrophilic/hydrophobic surfaces under sonic excitations. <i>Scientific Reports</i> , 2020 , 10, 19348	4.9	2
15	Environmental dust repelling from hydrophobic and hydrophilic surfaces under vibrational excitation. <i>Scientific Reports</i> , 2020 , 10, 14346	4.9	2
14	Sliding Dynamics of a Water Droplet on Silicon Oil Film Surface. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021 , 143,	2.1	2
13	Avalanche effect for chemically modified dust mitigation from surfaces. <i>Scientific Reports</i> , 2021 , 11, 8174-8182	4.9	2
12	Droplet motion on sonically excited hydrophobic meshes.. <i>Scientific Reports</i> , 2022 , 12, 6759	4.9	2
11	Prediction of Residual Stresses During Gas Nitriding of H13 Steels Using Phase Field Approach. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2016 , 138,	3.3	1
10	Carbonated water droplets on a dusty hydrophobic surface. <i>Soft Matter</i> , 2020 , 16, 7144-7155	3.6	1
9	Experimental and Model Studies of Various Size Water Droplet Impacting on a Hydrophobic Surface. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021 , 143,	2.1	1
8	Solution Crystallization of Polycarbonate Surfaces for Hydrophobic State: Water Droplet Dynamics and Life Cycle Assessment towards Self-Cleaning Applications. <i>Polymers</i> , 2021 , 13,	4.5	1
7	On the mechanism of droplet rolling and spinning in inclined hydrophobic plates in wedge with different wetting states. <i>Scientific Reports</i> , 2021 , 11, 15086	4.9	1
6	Hydrophobized metallic meshes can ease water droplet rolling. <i>Soft Matter</i> , 2021 , 17, 7311-7321	3.6	1

5	A novel method for dust mitigation from PV cell surfaces. <i>Solar Energy</i> , 2021 , 225, 708-717	6.8	1
4	Droplet Rolling Dynamics over a Hydrophobic Surface with a Minute Width Channel. <i>Langmuir</i> , 2021 , 37, 7851-7861	4	0
3	Dust mitigation from inclined hydrophobic and hydrophilic surfaces under electrostatic repulsion. <i>Journal of Electrostatics</i> , 2021 , 109, 103536	1.7	0
2	Water droplet can mitigate dust from hydrophobized micro-post array surfaces. <i>Scientific Reports</i> , 2021 , 11, 18361	4.9	0
1	Impacting Droplet Can Mitigate Dust from PDMS Micro-Post Array Surfaces. <i>Coatings</i> , 2021 , 11, 1377	2.9	