

Dong Hee Kang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Removal Efficiency of PM10 via Ventilation with Residential Exhaust Hood and Conditions for Reducing Human Intake Fraction. <i>Environmental Modeling and Assessment</i> , 2022, 27, 461-472.	2.2	1
2	VEGF Detection via Simplified FLISA Using a 3D Microfluidic Disk Platform. <i>Biosensors</i> , 2021, 11, 270.	4.7	1
3	Hybrid Structure of a ZnO Nanowire Array on a PVDF Nanofiber Membrane/Nylon Mesh for use in Smart Filters: Photoconductive PM Filters. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8006.	2.5	2
4	Electrostatic Charge Retention in PVDF Nanofiber-Nylon Mesh Multilayer Structure for Effective Fine Particulate Matter Filtration for Face Masks. <i>Polymers</i> , 2021, 13, 3235.	4.5	14
5	Experimental study of a thin water-film evaporative cooling system to enhance the energy conversion efficiency of a thermoelectric device. <i>Energy</i> , 2020, 211, 119040.	8.8	9
6	A microfluidic circuit consisting of individualized components with a 3D slope valve for automation of sequential liquid control. <i>Lab on A Chip</i> , 2020, 20, 4433-4441.	6.0	8
7	Theoretical analysis of natural evaporative cooling to enhance the efficiency of thermoelectric devices. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118512.	4.8	16
8	Unevenness of Thin Liquid Layer by Contact Angle Variation of Substrate during Coating Process. <i>Coatings</i> , 2019, 9, 162.	2.6	2
9	High efficient photo detector by using ZnO nanowire arrays on highly aligned electrospun PVDF-TrFE nanofiber film. <i>Nanotechnology</i> , 2019, 30, 365303.	2.6	15
10	Biomimetic fog harvesting surface by photo-induced micro-patterning of zinc-oxide silver hierarchical nanostructures. <i>Applied Surface Science</i> , 2019, 470, 161-167.	6.1	35
11	Advanced electrospinning using circle electrodes for freestanding PVDF nanofiber film fabrication. <i>Applied Surface Science</i> , 2018, 455, 251-257.	6.1	38
12	Water Absorption Property of Zeolite Embedded PVDF Film Fabricated by Electrospinning Method. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2018, 42, 373-377.	0.1	0
13	Surface energy characteristics of zeolite embedded PVDF nanofiber films with electrospinning process. <i>Applied Surface Science</i> , 2016, 387, 82-88.	6.1	50