

# Dong Hee Kang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4939616/publications.pdf>

Version: 2024-02-01

13  
papers

191  
citations

1163117  
8  
h-index

1281871  
11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

238  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Surface energy characteristics of zeolite embedded PVDF nanofiber films with electrospinning process. <i>Applied Surface Science</i> , 2016, 387, 82-88.                                       | 6.1 | 50        |
| 2  | Advanced electrospinning using circle electrodes for freestanding PVDF nanofiber film fabrication. <i>Applied Surface Science</i> , 2018, 455, 251-257.  | 6.1 | 38        |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | 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        |
| 7  | 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         |
| 8  | 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         |
| 9  | Unevenness of Thin Liquid Layer by Contact Angle Variation of Substrate during Coating Process. <i>Coatings</i> , 2019, 9, 162.  | 2.6 | 2         |
| 10 | 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         |
| 11 | VEGF Detection via Simplified FLISA Using a 3D Microfluidic Disk Platform. <i>Biosensors</i> , 2021, 11, 270.  | 4.7 | 1         |
| 12 | 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         |
| 13 | 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         |