

Maryna N Kavalenka

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

438
citations

758635

12
h-index

1058022

14
g-index

16
all docs

16
docs citations

16
times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Air-Retaining Nanofur for Drag Reduction. ACS Applied Materials & Interfaces, 2015, 7, 10651-10655.	4.0	73
2	Self-cleaning performance of superhydrophobic hot-embossed fluoropolymer films for photovoltaic modules. Solar Energy Materials and Solar Cells, 2019, 189, 188-196.	3.0	59
3	Bioinspired Superhydrophobic Highly Transmissive Films for Optical Applications. Small, 2016, 12, 6144-6152.	5.2	54
4	Microstructures of superhydrophobic plant leaves - inspiration for efficient oil spill cleanup materials. Bioinspiration and Biomimetics, 2016, 11, 056003.	1.5	45
5	Adaptable bioinspired special wetting surface for multifunctional oil/water separation. Scientific Reports, 2017, 7, 39970.	1.6	40
6	Wood-based microhaired superhydrophobic and underwater superoleophobic surfaces for oil/water separation. RSC Advances, 2014, 4, 31079-31083.	1.7	36
7	Chemical capacitive sensing using ultrathin flexible nanoporous electrodes. Sensors and Actuators B: Chemical, 2012, 162, 22-26.	4.0	22
8	Ballistic and non-ballistic gas flow through ultrathin nanopores. Nanotechnology, 2012, 23, 145706.	1.3	20
9	Effect of repeated immersions and contamination on plastron stability in superhydrophobic surfaces. Physics of Fluids, 2019, 31, .	1.6	19
10	Self-Cleaning Microcavity Array for Photovoltaic Modules. ACS Applied Materials & Interfaces, 2018, 10, 2929-2936.	4.0	17
11	Photocurrent enhancement for ultrathin crystalline silicon solar cells via a bioinspired polymeric nanofur film with high forward scattering. Solar Energy Materials and Solar Cells, 2018, 186, 105-110.	3.0	16
12	Selective filtration of oil/water mixtures with bioinspired porous membranes. RSC Advances, 2017, 7, 32806-32811.	1.7	15
13	Pressure- and Air-Retaining Nanostructured Surfaces Inspired by Natural Air Plastrons. Advanced Materials Interfaces, 2018, 5, 1800125.	1.9	13
14	Copper atomic-scale transistors. Beilstein Journal of Nanotechnology, 2017, 8, 530-538.	1.5	9
15	Metallized Ultrathin Nanocrystalline Si Membranes as Biochemical SPR Sensors. , 2011, , .		0
16	Impact of Fabrication Parameters on the Self-cleaning Performance of Hot-embossed Fluoropolymer Films for Photovoltaic Modules. , 2018, , .		0