

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
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1058022

14
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16
all docs

16
docs citations

16
times ranked

662
citing authors

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