

Seong Jin Kim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

479
citations

687363

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752698

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docs citations

22
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid spreading on superhydrophilic micropillar arrays. <i>Journal of Fluid Mechanics</i> , 2011, 680, 477-487.	3.4	76
2	Porous Carbon Nanoparticle Networks with Tunable Absorbability. <i>Scientific Reports</i> , 2013, 3, 2524.	3.3	50
3	Thermal stability of superhydrophobic, nanostructured surfaces. <i>Journal of Colloid and Interface Science</i> , 2013, 391, 152-157.	9.4	45
4	Experimental study of drop spreading on textured superhydrophilic surfaces. <i>Physics of Fluids</i> , 2013, 25, .	4.0	43
5	Automatic resonance tuning mechanism for ultra-wide bandwidth mechanical energy harvesting. <i>Nano Energy</i> , 2020, 77, 104986.	16.0	43
6	Hierarchical structures of ALOOH nanoflakes nested on Si nanopillars with anti-reflectance and superhydrophobicity. <i>Nanoscale</i> , 2013, 5, 10014.	5.6	30
7	Surface energy tunable nanohairy dry adhesive by broad ion beam irradiation. <i>Soft Matter</i> , 2012, 8, 1673-1680.	2.7	24
8	Dynamic criteria of plankton jumping out of water. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150582.	3.4	23
9	Frictional behavior on wrinkle patterns of diamond-like carbon films on soft polymer. <i>Diamond and Related Materials</i> , 2012, 23, 61-65.	3.9	19
10	Single-step plasma-induced hierarchical structures for tunable water adhesion. <i>Scientific Reports</i> , 2020, 10, 874.	3.3	18
11	Composite oxygen-barrier coating on a polypropylene food container. <i>Thin Solid Films</i> , 2013, 540, 112-117.	1.8	17
12	Nano-embossed structure on polypropylene induced by low energy Ar ion beam irradiation. <i>Surface and Coatings Technology</i> , 2010, 205, S104-S108.	4.8	15
13	Wicking and flooding of liquids on vertical porous sheets. <i>Physics of Fluids</i> , 2015, 27, .	4.0	14
14	Extremes of the pinch-off location and time in a liquid column by an accelerating solid sphere. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	14
15	Clogged water bridges for fog harvesting. <i>Soft Matter</i> , 2021, 17, 136-144.	2.7	13
16	Unclogged Janus Mesh for Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21713-21726.	8.0	13
17	Direct recovery of spilled oil using hierarchically porous oil scoop with capillary-induced anti-oil-fouling. <i>Journal of Hazardous Materials</i> , 2021, 410, 124549.	12.4	10
18	Capillary spreading of contact line over a sinking sphere. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	9

#	ARTICLE	IF	CITATIONS
19	Numerical investigation of oil-water separation on a mesh-type filter. Acta Mechanica, 2022, 233, 1041-1059.	2.1	2
20	Multiple air-bubble enhanced oil rupture on nanostructured cellulose fabric for easy-oil cleaning fouled in a dry state. Scientific Reports, 2019, 9, 14538.	3.3	1
21	Poster: An emerging string of fluid pearls. , 0, , .		0
22	Emerging string of fluid pearls. Physical Review Fluids, 2016, 1, .	2.5	0