

Young Soo Joung

List of Publications by Year in descending order

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16
papers

739
citations

1163117

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h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1154
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchically structured surfaces for boiling critical heat flux enhancement. Applied Physics Letters, 2013, 102, .	3.3	216
2	Bioaerosol generation by raindrops on soil. Nature Communications, 2017, 8, 14668.	12.8	176
3	Aerosol generation by raindrop impact on soil. Nature Communications, 2015, 6, 6083.	12.8	137
4	Electrophoretic Deposition of Unstable Colloidal Suspensions for Superhydrophobic Surfaces. Langmuir, 2011, 27, 4156-4163.	3.5	65
5	Antiwetting Fabric Produced by a Combination of Layer-by-Layer Assembly and Electrophoretic Deposition of Hydrophobic Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 20100-20110.	8.0	54
6	Optimal layout design of three-dimensional geometrically non-linear structures using the element connectivity parameterization method. International Journal for Numerical Methods in Engineering, 2007, 69, 1278-1304.	2.8	22
7	Scaling laws for drop impingement on porous films and papers. Physical Review E, 2014, 89, 013015.	2.1	19
8	A Hybrid Method Employing Breakdown Anodization and Electrophoretic Deposition for Superhydrophilic Surfaces. Journal of Physical Chemistry B, 2013, 117, 1714-1723.	2.6	13
9	Antimicrobial behavior of novel surfaces generated by electrophoretic deposition and breakdown anodization. Colloids and Surfaces B: Biointerfaces, 2015, 134, 204-212.	5.0	8
10	A mean-density model of ionic surfactants for the dispersion of carbon nanotubes in aqueous solutions. Applied Surface Science, 2018, 439, 1133-1142.	6.1	7
11	Schlieren imaging for the visualization of particles entrapped in bubble films. Journal of Colloid and Interface Science, 2020, 570, 52-60.	9.4	6
12	Design of capillary flows with functionally graded porous titanium oxide films fabricated by anodization instability. Journal of Colloid and Interface Science, 2014, 423, 143-150.	9.4	5
13	Hybrid Electrophoretic Deposition with Anodization Process for Superhydrophilic Surfaces to Enhance Critical Heat Flux. Key Engineering Materials, 2012, 507, 9-13.	0.4	4
14	Conductive hydrogel films produced by freestanding electrophoretic deposition and polymerization at the interface of immiscible liquids. Composites Science and Technology, 2017, 153, 128-135.	7.8	4
15	Antibacterial fabric with contradictory functions of water repellency and absorbency realized by electrophoretic deposition of hydrophobic SiO ₂ and hydrophilic ZnO nanoparticles. Progress in Organic Coatings, 2021, 161, 106455.	3.9	2
16	Long-term effect of nanobubbles generated by turbulent flow through diamond-pattern notches on liquid properties. Results in Engineering, 2022, , 100375.	5.1	1