

Jing Sun

List of Publications by Year in descending order

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27
papers

695
citations

687363

13
h-index

752698

20
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27
all docs

27
docs citations

27
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile electrochemical machining process to fabricate superhydrophobic surface on iron materials and its applications in anti-icing. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 457-464.	2.4	5
2	3D FEM simulation of chip breakage in turning AISI1045 with complicate-grooved insert. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1331-1341.	3.0	8
3	Droplet-Based Self-Propelled Miniboat. <i>Advanced Functional Materials</i> , 2020, 30, 1910778.	14.9	38
4	Atmospheric pressure plasma jet assisted micro-milling of Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 4681-4687.	3.0	8
5	Facile preparation of superhydrophilic and underwater superoleophobic mesh for oil/water separation in harsh environments. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 784-793.	2.4	11
6	A universal method to create surface patterns with extreme wettability on metal substrates. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 100-110.	9.4	21
7	Electrolytic colouring method for preparing robust coloured superhydrophobic surfaces with good corrosion resistance. <i>Micro and Nano Letters</i> , 2019, 14, 5-10.	1.3	6
8	Maskless Hydrophilic Patterning of the Superhydrophobic Aluminum Surface by an Atmospheric Pressure Microplasma Jet for Water Adhesion Controlling. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7497-7503.	8.0	46
9	Water strider-inspired design of a water walking robot using superhydrophobic Al surface. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1840-1847.	2.4	18
10	Multi-functional application of oil-infused slippery Al surface: from anti-icing to corrosion resistance. <i>Journal of Materials Science</i> , 2018, 53, 16099-16109.	3.7	42
11	Fabrication of extreme wettability patterns with water-film protection for organic liquids. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 566-569.	2.4	2
12	Anisotropic sliding on dual-rail hydrophilic tracks. <i>Lab on A Chip</i> , 2017, 17, 1041-1050.	6.0	56
13	Polyurethane-rubber punching process for micro-hole arrays. <i>Microsystem Technologies</i> , 2017, 23, 2943-2950.	2.0	7
14	Fabrication and application of superhydrophobic-superoleophilic porous Cu sponge. , 2017, , .		0
15	Atmospheric Pressure Plasma Functionalized Polymer Mesh: An Environmentally Friendly and Efficient Tool for Oil/Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6828-6837.	6.7	91
16	Adjusting the stability of plasma treated superhydrophobic surfaces by different modifications or microstructures. <i>RSC Advances</i> , 2016, 6, 79437-79447.	3.6	14
17	Fabrication of Long-Term Underwater Superoleophobic Al Surfaces and Application on Underwater Lossless Manipulation of Non-Polar Organic Liquids. <i>Scientific Reports</i> , 2016, 6, 31818.	3.3	18
18	Underwater Spontaneous Pumpless Transportation of Nonpolar Organic Liquids on Extreme Wettability Patterns. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2942-2949.	8.0	72

#	ARTICLE	IF	CITATIONS
19	Stability of plasma treated superhydrophobic surfaces under different ambient conditions. Journal of Colloid and Interface Science, 2016, 470, 221-228.	9.4	67
20	Creating robust superamphiphobic coatings for both hard and soft materials. Journal of Materials Chemistry A, 2015, 3, 20999-21008.	10.3	123
21	Fabrication of superhydrophobic surfaces on copper substrates via flow plating technology. Micro and Nano Letters, 2015, 10, 88-92.	1.3	16
22	Camera Calibration Based on Improved Genetic Algorithm. , 2007, , .		7
23	An Improved Adaptive Genetic Algorithm for Job-Shop Scheduling Problem. , 2007, , .		12
24	3D Reconstruction of Body of Revolution's Curved Surface from CCD Image Based on Fictitious Dimensional Plane and Available in Vision Measurement. , 2007, , .		0
25	Analyzing and Improving of Neural Networks used in Stereo Calibration. , 2007, , .		4
26	An Improved Genetic Algorithm with Recurrent Search for the Job-Shop Scheduling Problem. , 2006, , .		2
27	Research on Manufacturing Product Quotation System Based-on Mass Customization. , 2006, , .		1