Jing Sun

List of Publications by Year
in descending order

27 papers	695 citations	687363 13 h-index	752698 20 g-index
27 all docs	27 docs citations	27 times ranked	823 citing authors

#	Article	IF	Citations
1	Creating robust superamphiphobic coatings for both hard and soft materials. Journal of Materials Chemistry A, 2015, 3, 20999-21008.	10.3	123
2	Atmospheric Pressure Plasma Functionalized Polymer Mesh: An Environmentally Friendly and Efficient Tool for Oil/Water Separation. ACS Sustainable Chemistry and Engineering, 2016, 4, 6828-6837.	6.7	91
3	Underwater Spontaneous Pumpless Transportation of Nonpolar Organic Liquids on Extreme Wettability Patterns. ACS Applied Materials & Interfaces, 2016, 8, 2942-2949.	8.0	72
4	Stability of plasma treated superhydrophobic surfaces under different ambient conditions. Journal of Colloid and Interface Science, 2016, 470, 221-228.	9.4	67
5	Anisotropic sliding on dual-rail hydrophilic tracks. Lab on A Chip, 2017, 17, 1041-1050.	6.0	56
6	Maskless Hydrophilic Patterning of the Superhydrophobic Aluminum Surface by an Atmospheric Pressure Microplasma Jet for Water Adhesion Controlling. ACS Applied Materials & Interfaces, 2018, 10, 7497-7503.	8.0	46
7	Multi-functional application of oil-infused slippery Al surface: from anti-icing to corrosion resistance. Journal of Materials Science, 2018, 53, 16099-16109.	3.7	42
8	Dropletâ€Based Selfâ€Propelled Miniboat. Advanced Functional Materials, 2020, 30, 1910778.	14.9	38
9	A universal method to create surface patterns with extreme wettability on metal substrates. Journal of Colloid and Interface Science, 2019, 535, 100-110.	9.4	21
10	Fabrication of Long-Term Underwater Superoleophobic Al Surfaces and Application on Underwater Lossless Manipulation of Non-Polar Organic Liquids. Scientific Reports, 2016, 6, 31818.	3.3	18
11	Water strider-inspired design of a water walking robot using superhydrophobic Al surface. Journal of Dispersion Science and Technology, 2018, 39, 1840-1847.	2.4	18
12	Fabrication of superhydrophobic surfaces on copper substrates via flow plating technology. Micro and Nano Letters, 2015, 10, 88-92.	1.3	16
13	Adjusting the stability of plasma treated superhydrophobic surfaces by different modifications or microstructures. RSC Advances, 2016, 6, 79437-79447.	3.6	14
14	An Improved Adaptive Genetic Algorithm for Job-Shop Scheduling Problem. , 2007, , .		12
15	Facile preparation of superhydrophilic and underwater superoleophobic mesh for oil/water separation in harsh environments. Journal of Dispersion Science and Technology, 2019, 40, 784-793.	2.4	11
16	Atmospheric pressure plasma jet assisted micro-milling of Inconel 718. International Journal of Advanced Manufacturing Technology, 2019, 103, 4681-4687.	3.0	8
17	3D FEM simulation of chip breakage in turning AISI1045 with complicate-grooved insert. International Journal of Advanced Manufacturing Technology, 2020, 108, 1331-1341.	3.0	8
18	Camera Calibration Based on Improved Genetic Algorithm. , 2007, , .		7

#	Article	IF	Citations
19	Polyurethane-rubber punching process for micro-hole arrays. Microsystem Technologies, 2017, 23, 2943-2950.	2.0	7
20	Electrolytic colouring method for preparing robust coloured superhydrophobic surfaces with good corrosion resistance. Micro and Nano Letters, 2019, 14, 5-10.	1.3	6
21	A facile electrochemical machining process to fabricate superhydrophobic surface on iron materials and its applications in anti-icing. Journal of Dispersion Science and Technology, 2021, 42, 457-464.	2.4	5
22	Analyzing and Improving of Neural Networks used in Stereo Calibration. , 2007, , .		4
23	An Improved Genetic Algorithm with Recurrent Search for the Job-Shop Scheduling Problem. , 2006, , .		2
24	Fabrication of extreme wettability patterns with water-film protection for organic liquids. Journal of Dispersion Science and Technology, 2017, 38, 566-569.	2.4	2
25	Research on Manufacturing Product Quotation System Based-on Mass Customization. , 2006, , .		1
26	3D Reconstruction of Body of Revolution's Curved Surface from CCD Image Based on Fictitious Dimensional Plane and Available in Vision Measurement. , 2007, , .		0
27	Fabrication and application of superhydrophobic-superoleophilic porous Cu sponge. , 2017, , .		0