

# Directional water collection on wetted spider silk

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Direction Controlled Driving of Tiny Water Drops on Bioinspired Artificial Spider Silks. <i>Advanced Materials</i> , 2010, 22, 5521-5525.	11.1	272
4	Tetrakis(arylisocyanide) Rhodium(I) Salts in Water: NIR Luminescent and Conductive Supramolecular Polymeric Nanowires with Hierarchical Organization. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9968-9971.	7.2	45
5	Dew catchers. <i>Nature</i> , 2010, 463, 618-618.	13.7	3
6	Directed rebounding of droplets by microscale surface roughness gradients. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	78
7	Recent developments in bio-inspired special wettability. <i>Chemical Society Reviews</i> , 2010, 39, 3240.	18.7	922
8	Insoluble Synthetic Polypeptide Mats from Aqueous Solution by Electrospinning. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2728-2732.	4.0	20
9	Bio-inspired anisotropic micro/nano-surface from a natural stamp: grasshopper wings. <i>Soft Matter</i> , 2011, 7, 7973.	1.2	25
10	pH-responsive assembly and disassembly of a supramolecular cryptand-based pseudorotaxane driven by $\pi$ - $\pi$ stacking interaction. <i>Chemical Communications</i> , 2011, 47, 9840.	2.2	56
11	Direct Generation of Silica Nanowire-Based Thin Film on Various Substrates with Tunable Surface Nanostructure and Extreme Repellency toward Complex Liquids. <i>Langmuir</i> , 2011, 27, 9588-9596.	1.6	25
12	Anisotropic Wetting on Checkerboard-Patterned Surfaces. <i>Langmuir</i> , 2011, 27, 9630-9637.	1.6	6
13	Effect of Concentration on Structure and Properties of Concentrated Regenerated Silk Fibroin Solution. <i>Advanced Materials Research</i> , 0, 311-313, 1653-1656.	0.3	3
14	Anisotropic Wetting on Microstrips Surface Fabricated by Femtosecond Laser. <i>Langmuir</i> , 2011, 27, 359-365.	1.6	101
15	Arrays of Lucius microprisms for directional allocation of light and autostereoscopic three-dimensional displays. <i>Nature Communications</i> , 2011, 2, 455.	5.8	62
16	Multifunctional Integration: From Biological to Bio-Inspired Materials. <i>ACS Nano</i> , 2011, 5, 6786-6790.	7.3	163
17	Digitally tunable physicochemical coding of material composition and topography in continuous microfibrils. <i>Nature Materials</i> , 2011, 10, 877-883.	13.3	397
18	One-step electrodeposition process to fabricate cathodic superhydrophobic surface. <i>Applied Surface Science</i> , 2011, 258, 1395-1398.	3.1	74
19	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. <i>Soft Matter</i> , 2011, 7, 5144.	1.2	61
20	Metallic surfaces with special wettability. <i>Nanoscale</i> , 2011, 3, 825.	2.8	348

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21	One-step vapour-phase formation of patternable, electrically conductive, superamphiphobic coatings on fibrous materials. <i>Soft Matter</i> , 2011, 7, 8158.	1.2	84
22	The Form and Function of Spider Orb Webs. <i>Advances in Insect Physiology</i> , 2011, , 175-262.	1.1	118
23	Drops on functional fibers: from barrels to clamshells and back. <i>Soft Matter</i> , 2011, 7, 5138.	1.2	90
24	The Frontier of Inorganic Synthesis and Preparative Chemistry (I)â€”Biomimetic Synthesis. , 2011, , 525-553.		3
25	Biom mineralization and Biomimetic Synthesis of Biomineral and Nanomaterials. , 2011, , .		2
26	Superhydrophobic silicon surfaces with microâ€”nano hierarchical structures via deep reactive ion etching and galvanic etching. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 219-229.	5.0	68
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29	A miniature droplet reactor built on nanoparticle-derived superhydrophobic pedestals. <i>Nano Research</i> , 2011, 4, 266-273.	5.8	72
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31	In Situ Imaging of Multiphase Bioâ€”interfaces at the Microâ€”Nanoscale. <i>Small</i> , 2011, 7, 2825-2835.	5.2	7
32	Largeâ€”Scale Fabrication of Bioinspired Fibers for Directional Water Collection. <i>Small</i> , 2011, 7, 3429-3433.	5.2	119
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34	Towards the Next Level of Bioinspired Dry Adhesives: New Designs and Applications. <i>Advanced Functional Materials</i> , 2011, 21, 3606-3616.	7.8	157
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94	Elaborately Aligning Bead-Shaped Nanowire Arrays Generated by a Superhydrophobic Micropillar Guiding Strategy. <i>Advanced Functional Materials</i> , 2012, 22, 4569-4576.	7.8	33

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