

Robust self-cleaning surfaces that function when expos

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Robust Flower-Like TiO ₂ @Cotton Fabrics with Special Wettability for Effective Self-Cleaning and Versatile Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500220.	1.9	175
5	Bioinspired Superhydrophobic Fe ₃ O ₄ @Polydopamine@Ag Hybrid Nanoparticles for Liquid Marble and Oil Spill. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500234.	1.9	76
7	Wettability of hierarchically-textured ceramic coatings produced by suspension HVOF spraying. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13864-13873.	5.2	28
8	Fabrication of optimized oil-water separation devices through the targeted treatment of silica meshes. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 055006.	2.8	16
9	Robust Superhydrophobic Graphene-Based Composite Coatings with Self-Cleaning and Corrosion Barrier Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28482-28493.	4.0	242
10	One-step electrodeposition fabrication of a superhydrophobic surface on an aluminum substrate with enhanced self-cleaning and anticorrosion properties. <i>RSC Advances</i> , 2015, 5, 100000-100010.	1.7	61
11	Quantification of residual liquid on repellent cotton fabrics after liquid roll off. <i>RSC Advances</i> , 2015, 5, 103722-103728.	1.7	4
12	Fabricating an enhanced stable superhydrophobic surface on copper plates by introducing a sintering process. <i>Applied Surface Science</i> , 2015, 355, 145-152.	3.1	11
13	Alkylsilane-SiO ₂ Hybrids. A Concerted Picture of Temperature Effects in Vapor Phase Functionalization. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15390-15400.	1.5	35
14	Hydrogen-Bond Heterogeneity Boosts Hydrophobicity of Solid Interfaces. <i>Journal of the American Chemical Society</i> , 2015, 137, 10618-10623.	6.6	24
15	Fluorine-free superhydrophobic/hydrophobic polybenzoxazine/TiO ₂ films with excellent thermal stability and reversible wettability. <i>RSC Advances</i> , 2015, 5, 55513-55519.	1.7	28
16	Self-cleaning, superhydrophobic cotton fabrics with excellent washing durability, solvent resistance and chemical stability prepared from an SU-8 derived surface coating. <i>RSC Advances</i> , 2015, 5, 61044-61050.	1.7	80
17	Self-cleaning transparent superhydrophobic coatings through simple sol-gel processing of fluoroalkylsilane. <i>Applied Surface Science</i> , 2015, 351, 897-903.	3.1	208
18	Liquid repellent nanocomposites obtained from one-step water-based spray. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12880-12889.	5.2	81
19	Self-cleaning applications of TiO ₂ by photo-induced hydrophilicity and photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 396-428.	10.8	739
20	Creating robust superamphiphobic coatings for both hard and soft materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20999-21008.	5.2	123
21	A multifunctional transparent superhydrophobic gel nanocoating with self-healing properties. <i>Chemical Communications</i> , 2015, 51, 16794-16797.	2.2	93
22	A facile dip-coating approach to stable superhydrophobic SiO ₂ /epoxy resin membrane preparation for micro-water separation in transformer oil liquids. <i>RSC Advances</i> , 2015, 5, 92947-92953.	1.7	14

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23	Transparent and Superamphiphobic Surfaces from Mushroom-Like Micropillar Arrays. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24197-24203.	4.0	73
24	Ag Nanoparticle-Loaded Hierarchical Superamphiphobic Surface on an Al Substrate with Enhanced Anticorrosion and Antibacterial Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25449-25456.	1.5	65
25	Extremely durable biofouling-resistant metallic surfaces based on electrodeposited nanoporous tungstite films on steel. <i>Nature Communications</i> , 2015, 6, 8649.	5.8	326
26	A self-cleaning polybenzoxazine/TiO ₂ surface with superhydrophobicity and superoleophilicity for oil/water separation. <i>Nanoscale</i> , 2015, 7, 19476-19483.	2.8	150
27	Facile fabrication of robust superhydrophobic porous materials and their application in oil/water separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23252-23260.	5.2	94
28	Cotton fiber hot spot in situ growth of StÅrber particles. <i>Cellulose</i> , 2015, 22, 3597-3607.	2.4	10
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30	Superhydrophobic-like tunable droplet bouncing on slippery liquid interfaces. <i>Nature Communications</i> , 2015, 6, 7986.	5.8	229
31	Super dewetting surfaces: Focusing on their design and fabrication methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 528-546.	2.3	30
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33	A Mechanistic Explanation of the Peculiar Amphiphobic Properties of Hybrid Organic-Inorganic Coatings by Combining XPS Characterization and DFT Modeling. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19941-19947.	4.0	30
34	Titanate and titania nanostructured materials for environmental and energy applications: a review. <i>RSC Advances</i> , 2015, 5, 79479-79510.	1.7	247
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39	Novel Materials of Construction in the Food Industry. , 2016, , 395-444.		5
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41	A Robust Polyionized Hydrogel with an Unprecedented Underwater Anti-Oil Adhesion Property. <i>Advanced Materials</i> , 2016, 28, 5307-5314.	11.1	346
42	Large-Scale Fabrication of Robust Superhydrophobic Coatings with High Rigidity and Good Flexibility. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500718.	1.9	58
43	Polymer Self-Etching for Superhydrophobicity through a Green Hot-Pressing/Exfoliation Process: Low and High Adhesion. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 653-658.	1.7	6
44	Oxygen-Rich Enzyme Biosensor Based on Superhydrophobic Electrode. <i>Advanced Materials</i> , 2016, 28, 1477-1481.	11.1	134
45	Thermal Processing of Silicones for Green, Scalable, and Healable Superhydrophobic Coatings. <i>Advanced Materials</i> , 2016, 28, 3677-3682.	11.1	165
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49	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3419-3423.	7.2	201
50	Mechanical Properties of Highly Porous Super Liquid-Repellent Surfaces. <i>Advanced Functional Materials</i> , 2016, 26, 4914-4922.	7.8	37
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53	Thermal Alternating Polymer Nanocomposite (TAPNC) Coating Designed to Prevent Aerodynamic Insect Fouling. <i>Scientific Reports</i> , 2016, 6, 38459.	1.6	32
54	The influence of fluoroalkyl chains in redox electrolytes for energy conversion. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	0.8	7
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63	Crosslinked waterborne polyurethane with high waterproof performance. <i>Polymer Chemistry</i> , 2016, 7, 3913-3922.	1.9	81
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68	Ultra-Durable and Transparent Self-Cleaning Surfaces by Large-Scale Self-Assembly of Hierarchical Interpenetrated Polymer Networks. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13615-13623.	4.0	179
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70	Perfluorosilane treated <i>Calotropis gigantea</i> fiber: Instant hydrophobic-oleophilic surface with efficient oil-absorbing performance. <i>Chemical Engineering Journal</i> , 2016, 295, 477-483.	6.6	54
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72	Hybrid Gold Single Crystals Incorporating Amino Acids. <i>Crystal Growth and Design</i> , 2016, 16, 2972-2978.	1.4	14
73	Hybrid engineered materials with high water-collecting efficiency inspired by Namib Desert beetles. <i>Chemical Communications</i> , 2016, 52, 6809-6812.	2.2	76
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90	Facile tuning the morphology and porosity of a superwetting conjugated microporous polymers. Reactive and Functional Polymers, 2016, 106, 105-111.	2.0	18
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