Martin E R Shanahan

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	1,755 citations	411340 20 h-index	425179 34 g-index
35 all docs	35 docs citations	35 times ranked	1738 citing authors

#	Article	IF	Citations
1	â€œBiodropâ€•Evaporation and Ring-Stain Deposits: The Significance of DNA Length. Langmuir, 2016, 32, 4361-4369.	1.6	20
2	Kinetics of Evaporation of Pinned Nanofluid Volatile Droplets at Subatmospheric Pressures. Langmuir, 2016, 32, 5812-5820.	1.6	7
3	Effect of Poly(ethylene oxide) Molecular Weight on the Pinning and Pillar Formation of Evaporating Sessile Droplets: The Role of the Interface. Langmuir, 2015, 31, 5908-5918.	1.6	14
4	Effect of particle geometry on triple line motion of nano-fluid drops and deposit nano-structuring. Advances in Colloid and Interface Science, 2015, 222, 44-57.	7.0	40
5	Evaporation of nanofluid droplets with applied DC potential. Journal of Colloid and Interface Science, 2013, 407, 29-38.	5.0	43
6	Inertial to Viscoelastic Transition in Early Drop Spreading on Soft Surfaces. Langmuir, 2013, 29, 1893-1898.	1.6	67
7	Young-Lippmann equation revisited for nano-suspensions. Applied Physics Letters, 2013, 102, .	1.5	31
8	Structural transitions in a ring stain created at the contact line of evaporating nanosuspension sessile drops. Physical Review E, 2013, 87, 012301.	0.8	27
9	Monolith formation and ring-stain suppression in low-pressure evaporation of poly(ethylene oxide) droplets. Journal of Fluid Mechanics, 2012, 695, 321-329.	1.4	23
10	Impact of Interface Heterogeneity on Joint Fracture. Journal of Adhesion, 2012, 88, 885-902.	1.8	6
11	Antagonist adhesion effects due to variable substrate surface. Soft Matter, 2012, 8, 8321.	1.2	7
12	Nanoparticle deposits near the contact line of pinned volatile droplets: size and shape revealed by atomic force microscopy. Soft Matter, 2011, 7, 4152.	1.2	46
13	Stickâ€“Slip of Evaporating Droplets: Substrate Hydrophobicity and Nanoparticle Concentration. Langmuir, 2011, 27, 12834-12843.	1.6	240
14	Capillary rise of superspreaders. Journal of Colloid and Interface Science, 2011, 361, 643-648.	5.0	11
15	Dynamics of Trisiloxane Wetting: Effects of Diffusion and Surface Hydrophobicity. Journal of Physical Chemistry C, 2010, 114, 13620-13629.	1.5	31
16	Spreading and Wetting Behaviour of Trisiloxanes. Journal of Bionic Engineering, 2009, 6, 341-349.	2.7	17
17	On the effect of pH on spreading of surfactant solutions on hydrophobic surfaces. Journal of Colloid and Interface Science, 2009, 332, 497-504.	5.0	35
18	Effect of TiO₂ Nanoparticles on Contact Line Stickâ˜Slip Behavior of Volatile Drops. Journal of Physical Chemistry B, 2009, 113, 8860-8866.	1.2	143

#	Article	IF	Citations
19	Wetting and Evaporation of Binary Mixture Drops. Journal of Physical Chemistry B, 2008, 112, 11317-11323.	1.2	117
20	A 3D EFFECT IN THE WEDGE ADHESION TEST: APPLICATION OF SPECKLE INTERFEROMETRY. Journal of Adhesion, 2004, 80, 1173-1194.	1.8	15
21	Wetting Line Behavior on a Locally Surface Treated Poly(tetrafluoroethylene). Langmuir, 2003, 19, 6711-6716.	1.6	21
22	Deformation mechanisms at the interface between grafted polyethylene and ethylene/vinyl alcohol copolymer. Journal of Adhesion, 2003, 79, 419-442.	1.8	1
23	Spreading of Water: Condensation Effects. Langmuir, 2001, 17, 8229-8235.	1.6	32
24	Condensation Transport in Dynamic Wetting. Langmuir, 2001, 17, 3997-4002.	1.6	44
25	Adhesion of grafted polyethylene to an ethylene/vinyl alcohol copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 2843-2851.	2.4	8
26	On the Spreading of Glycerol Trioleate. Journal of Colloid and Interface Science, 2001, 235, 197-199.	5.0	0
27	Strange Spreading Behavior of Tricresyl Phosphate. Langmuir, 1998, 14, 528-532.	1.6	19
28	Viscoelastic effects in the spreading of liquids. Nature, 1996, 379, 432-434.	13.7	268
29	Wetting phenomena on polymeric surfaces. Macromolecular Symposia, 1996, 101, 463-470.	0.4	4
30	Direct Evidence for Viscosity-Independent Spreading on a Soft Solid. Langmuir, 1995, 11, 24-26.	1.6	53
31	Simple Theory of "Stick-Slip" Wetting Hysteresis. Langmuir, 1995, 11, 1041-1043.	1.6	242
32	Anomalous Spreading of Liquid Drops on an Elastomeric Surface. Langmuir, 1994, 10, 1647-1649.	1.6	56
33	Statics and dynamics of wetting on thin solids. Revue De Physique AppliquÃ©e, 1988, 23, 1031-1037.	0.4	12
34	Equilibrium of Liquid Drops on Thin Plates; Plate Rigidity and Stability Considerations. Journal of Adhesion, 1987, 20, 261-274.	1.8	20
35	Contact Angle Equilibrium on Thin Elastic Solids. Journal of Adhesion, 1985, 18, 247-267.	1.8	35