Robert David

List of Publications by Year
in descending order

22 papers	607 citations	567281 15 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	807 citing authors

#	Article	IF	Citations
1	A density depletion model for the interfacial tension between immiscible liquids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 498, 156-160.	4.7	2
2	Contact Angle Patterns on Low-Energy Surfaces. Advances in Colloid and Interface Science, 2014, 206, 46-56.	14.7	30
3	Tissue cohesion and the mechanics of cell rearrangement. Development (Cambridge), 2014, 141, 3672-3682.	2.5	92
4	A Theory for the Surface Tensions and Contact Angles of Hydrogen-Bonding Liquids. Langmuir, 2014, 30, 11634-11639.	3.5	13
5	Energy barriers between the Cassie and Wenzel states on random, superhydrophobic surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 425, 51-58.	4.7	45
6	Contact Angle Hysteresis on Randomly Rough Surfaces: A Computational Study. Langmuir, 2013, 29, 4551-4558.	3.5	24
7	Cadherin-dependent differential cell adhesion in Xenopus causes cell sorting in vitro, but not in the embryo. Journal of Cell Science, 2012, 125, 1877-83.	2.0	75
8	Computation of the Wetting Properties of Randomly Structured Superhydrophobic Surfaces. Journal of Physical Chemistry C, 2012, 116, 16601-16608.	3.1	24
9	Anisotropic drop shapes on chemically striped surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 393, 32-36.	4.7	26
10	Shapes of drops in the Cassie state on grooved surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 399, 41-45.	4.7	18
11	Cadherin-dependent differential cell adhesion in <i>Xenopus</i> causes cell sorting in vitro but not in the embryo. Development (Cambridge), 2012, 139, e1307-e1307.	2.5	0
12	Large-scale mechanical properties of <i>Xenopus</i> embryonic epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4000-4005.	7.1	59
13	Computation of Contact Lines on Randomly Heterogeneous Surfaces. Langmuir, 2010, 26, 13256-13262.	3.5	18
14	Line Tension and the Drop Size Dependence of Contact Angles. Surfactant Science, 2010, , 701-733.	0.0	1
15	Drop size dependence of contact angles on two fluoropolymers. Colloid and Polymer Science, 2009, 287, 1167-1173.	2.1	10
16	Tissue surface tension measurement by rigorous axisymmetric drop shape analysis. Colloids and Surfaces B: Biointerfaces, 2009, 72, 236-240.	5.0	19
17	Investigation of the Neumann triangle for dodecane liquid lenses on water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 333, 12-18.	4.7	12
18	Axisymmetric Drop Shape Analysis for Estimating the Surface Tension of Cell Aggregates by Centrifugation. Biophysical Journal, 2009, 96, 1606-1616.	0.5	58

#	Article	IF	Citations
19	Empirical Equation to Account for the Length Dependence of Line Tension. Langmuir, 2007, 23, 11999-12002.	3.5	24
20	Parallel cascade identification and its application to protein family prediction. Journal of Biotechnology, 2001, 91, 35-47.	3.8	5
21	Automatic Classification of Protein Sequences into Structure/Function Groups via Parallel Cascade Identification: A Feasibility Study. Annals of Biomedical Engineering, 2000, 28, 803-811.	2.5	20
22	3D-1D threading methods for protein fold recognition. Pharmacogenomics, 2000, 1, 445-455.	1.3	32