

# Robert David

## List of Publications by Year in descending order

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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	Tissue cohesion and the mechanics of cell rearrangement. <i>Development (Cambridge)</i> , 2014, 141, 3672-3682.	2.5	92
2	Cadherin-dependent differential cell adhesion in <i>Xenopus</i> causes cell sorting in vitro, but not in the embryo. <i>Journal of Cell Science</i> , 2012, 125, 1877-83.	2.0	75
3	Large-scale mechanical properties of <i>Xenopus</i> embryonic epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4000-4005.	7.1	59
4	Axisymmetric Drop Shape Analysis for Estimating the Surface Tension of Cell Aggregates by Centrifugation. <i>Biophysical Journal</i> , 2009, 96, 1606-1616.	0.5	58
5	Energy barriers between the Cassie and Wenzel states on random, superhydrophobic surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 425, 51-58.	4.7	45
6	3D-1D threading methods for protein fold recognition. <i>Pharmacogenomics</i> , 2000, 1, 445-455.	1.3	32
7	Contact Angle Patterns on Low-Energy Surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 46-56.	14.7	30
8	Anisotropic drop shapes on chemically striped surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 393, 32-36.	4.7	26
9	Empirical Equation to Account for the Length Dependence of Line Tension. <i>Langmuir</i> , 2007, 23, 11999-12002.	3.5	24
10	Computation of the Wetting Properties of Randomly Structured Superhydrophobic Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16601-16608.	3.1	24
11	Contact Angle Hysteresis on Randomly Rough Surfaces: A Computational Study. <i>Langmuir</i> , 2013, 29, 4551-4558.	3.5	24
12	Automatic Classification of Protein Sequences into Structure/Function Groups via Parallel Cascade Identification: A Feasibility Study. <i>Annals of Biomedical Engineering</i> , 2000, 28, 803-811.	2.5	20
13	Tissue surface tension measurement by rigorous axisymmetric drop shape analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 236-240.	5.0	19
14	Computation of Contact Lines on Randomly Heterogeneous Surfaces. <i>Langmuir</i> , 2010, 26, 13256-13262.	3.5	18
15	Shapes of drops in the Cassie state on grooved surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 399, 41-45.	4.7	18
16	A Theory for the Surface Tensions and Contact Angles of Hydrogen-Bonding Liquids. <i>Langmuir</i> , 2014, 30, 11634-11639.	3.5	13
17	Investigation of the Neumann triangle for dodecane liquid lenses on water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 333, 12-18.	4.7	12
18	Drop size dependence of contact angles on two fluoropolymers. <i>Colloid and Polymer Science</i> , 2009, 287, 1167-1173.	2.1	10

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19	Parallel cascade identification and its application to protein family prediction. Journal of Biotechnology, 2001, 91, 35-47.	3.8	5
20	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
21	Line Tension and the Drop Size Dependence of Contact Angles. Surfactant Science, 2010, , 701-733.	0.0	1
22	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