

Alidad Amirfazli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6410734/publications.pdf>

Version: 2024-02-01

171
papers

7,517
citations

61857

43
h-index

60497

81
g-index

172
all docs

172
docs citations

172
times ranked

6656
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust superhydrophobic fabric via UV-accelerated atmospheric deposition of polydopamine and silver nanoparticles for solar evaporation and water/oil separation. <i>Chemical Engineering Journal</i> , 2022, 429, 132539.	6.6	56
2	Effect of condensation on surface contact angle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127739.	2.3	4
3	Ice imaging in aircraft anti-icing fluid films using polarized light. <i>Cold Regions Science and Technology</i> , 2022, 194, 103459.	1.6	4
4	Novel SLIPS based on the photo-thermal MOFs with enhanced anti-icing/de-icing properties. <i>RSC Advances</i> , 2022, 12, 13792-13796.	1.7	4
5	Recent progress in stimulus-responsive superhydrophobic surfaces. <i>Progress in Organic Coatings</i> , 2022, 168, 106877.	1.9	19
6	Puncture of a Viscous Liquid Film Due to Droplet Falling. <i>Fluids</i> , 2022, 7, 196.	0.8	0
7	Anti-icing fluid performance on substrates with different thermal conductivity and roughness. <i>Cold Regions Science and Technology</i> , 2022, 202, 103630.	1.6	0
8	Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating. <i>Advanced Materials Interfaces</i> , 2021, 8, 1902110.	1.9	21
9	Polysiloxane as icephobic materials “The past, present and the future. <i>Chemical Engineering Journal</i> , 2021, 405, 127088.	6.6	83
10	One-step fabrication of transparent superhydrophobic surface. <i>Applied Surface Science</i> , 2021, 542, 148534.	3.1	47
11	Icing of static and high-speed water droplets on superhydrophobic surface. <i>Materials Letters</i> , 2021, 285, 129048.	1.3	12
12	Viscoelastic liquid bridge breakup and liquid transfer between two surfaces. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 1251-1256.	5.0	5
13	Conductive Coating: Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating (<i>Adv. Mater. Interfaces</i> 2/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170008.	1.9	2
14	Receding Phase and Rebound Behavior for Drop Impact onto an Ultrathin Film. <i>Langmuir</i> , 2021, 37, 3849-3857.	1.6	6
15	Durable Superhydrophobic Wood via One-Step Immersion in Composite Silane Solution. <i>ACS Omega</i> , 2021, 6, 7266-7274.	1.6	31
16	Droplet Control Based on Pinning and Substrate Wettability. <i>Langmuir</i> , 2021, 37, 4248-4255.	1.6	17
17	Determining transient heat transfer coefficient for dropwise condensation in the presence of an air flow. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121278.	2.5	10
18	Energy of a Drop Required to Break a Liquid Film. <i>Langmuir</i> , 2021, 37, 10433-10438.	1.6	1

#	ARTICLE	IF	CITATIONS
19	Unexpected Superhydrophobicity on a Wide Range of Substrates via a One-step Immersion in Aqueous Solution without Hydrophobic Agent. <i>Chemistry Letters</i> , 2021, 50, 1601-1603.	0.7	1
20	Preparations of versatile polytetrafluoroethylene superhydrophobic surfaces using the femtosecond laser technology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127441.	2.3	17
21	Water and mildew proof SiO ₂ & ZnO/silica sol superhydrophobic composite coating on a circuit board. <i>RSC Advances</i> , 2021, 11, 21862-21869.	1.7	6
22	Anti-icing fluids interaction with surfaces: Ice protection and wettability change. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105698.	2.9	8
23	Spray-On Nanocomposite Coatings: Wettability and Conductivity. <i>Langmuir</i> , 2020, 36, 11393-11410.	1.6	32
24	Unexpected superhydrophobic polydopamine on cotton fabric. <i>Progress in Organic Coatings</i> , 2020, 147, 105777.	1.9	11
25	Methyltrimethoxysilane as a multipurpose chemical for durable superhydrophobic cotton fabric. <i>Progress in Organic Coatings</i> , 2020, 146, 105700.	1.9	30
26	Reproducibility of superhydrophobic and oleophobic polymeric micro surface topographies. <i>Surface Topography: Metrology and Properties</i> , 2020, 8, 045010.	0.9	6
27	Droplet impact onto a solid sphere in mid-air: Effect of viscosity, gas density, and diameter ratio on impact outcomes. <i>Physics of Fluids</i> , 2020, 32, .	1.6	21
28	Effect of initial wetting state on plastron recovery through heating. <i>International Journal of Heat and Mass Transfer</i> , 2020, 156, 119705.	2.5	17
29	Diverse perspectives on interdisciplinarity from Members of the College of the Royal Society of Canada. <i>Facets</i> , 2020, 5, 138-165.	1.1	19
30	3D printed electro-thermal anti- or de-icing system for composite panels. <i>Cold Regions Science and Technology</i> , 2019, 166, 102844.	1.6	43
31	Wetting Transition on Textured Surfaces: A Thermodynamic Approach. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23976-23986.	1.5	31
32	DROP IMPACT ONTO A CANTILEVER BEAM: BEHAVIOR OF THE LAMELLA AND FORCE MEASUREMENT. <i>Interfacial Phenomena and Heat Transfer</i> , 2019, 7, 85-96.	0.3	8
33	Droplet impact: Viscosity and wettability effects on splashing. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 22-30.	5.0	89
34	Spreading of low-viscous liquids on a stationary and a moving surface. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	15
35	Shedding of a pair of sessile droplets. <i>International Journal of Multiphase Flow</i> , 2019, 110, 59-68.	1.6	10
36	Drop impact onto semi-infinite solid surfaces with different wettabilities. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	5

#	ARTICLE	IF	CITATIONS
37	Contact angle measurement with a smartphone. <i>Review of Scientific Instruments</i> , 2018, 89, 035117.	0.6	46
38	Shedding of multiple sessile droplets by an airflow. <i>Physics of Fluids</i> , 2018, 30, .	1.6	15
39	Sessile drop evaporation under an electric field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 580-585.	2.3	24
40	Fabrication and Characterization of Polystyrene Colloidal Photonic Crystals on Soft Sodium Alginate Film. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2018, 13, 472-478.	0.1	2
41	Contact angles and wettability: towards common and accurate terminology. <i>Surface Innovations</i> , 2017, 5, 3-8.	1.4	328
42	Motion of a liquid bridge between nonparallel surfaces. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 218-228.	5.0	15
43	Understanding the drop impact on moving hydrophilic and hydrophobic surfaces. <i>Soft Matter</i> , 2017, 13, 2040-2053.	1.2	42
44	Liquid bridge as a tunable-focus cylindrical liquid lens. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	10
45	Impact of particle-laden drops: Particle distribution on the substrate. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 108-118.	5.0	19
46	Asymmetric Spreading of a Drop upon Impact onto a Surface. <i>Langmuir</i> , 2017, 33, 5957-5964.	1.6	35
47	Stability of a liquid bridge between nonparallel hydrophilic surfaces. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 207-217.	5.0	26
48	Drop impact onto a thin film: Miscibility effect. <i>Physics of Fluids</i> , 2017, 29, .	1.6	35
49	Surface tension measurement with a smartphone using a pendant drop. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 213-217.	2.3	19
50	Behavior of a Liquid Bridge between Nonparallel Hydrophobic Surfaces. <i>Langmuir</i> , 2017, 33, 14674-14683.	1.6	11
51	Robust superhydrophobic coatings from modified siloxane resin. <i>Surface Innovations</i> , 2017, 5, 203-210.	1.4	6
52	Droplet impact onto a solid sphere: Effect of wettability and impact velocity. <i>Physics of Fluids</i> , 2017, 29, .	1.6	101
53	Resolving an ostensible inconsistency in calculating the evaporation rate of sessile drops. <i>Advances in Colloid and Interface Science</i> , 2017, 243, 121-128.	7.0	14
54	IMPACT OF PARTICLE-LADEN DROPS: SPLASHING CRITERION. <i>Atomization and Sprays</i> , 2017, 27, 395-406.	0.3	6

#	ARTICLE	IF	CITATIONS
55	Reversible transition between superhydrophobicity and superhydrophilicity of a silver surface. <i>Surface and Coatings Technology</i> , 2016, 294, 47-53.	2.2	18
56	Fabrication of water-repellent surfaces on galvanized steel. <i>RSC Advances</i> , 2016, 6, 71970-71976.	1.7	15
57	An experimental study for impact of a drop onto a particle in mid-air: The influence of particle wettability. <i>Journal of Fluids and Structures</i> , 2016, 66, 282-292.	1.5	22
58	Influence of Superhydrophobic Properties on Deicing. <i>Journal of Engineering Physics and Thermophysics</i> , 2016, 89, 1476-1481.	0.2	7
59	Pneumatic drop generator: Liquid pinch-off and velocity of single droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 204-213.	2.3	13
60	How pinning and contact angle hysteresis govern quasi-static liquid drop transfer. <i>Soft Matter</i> , 2016, 12, 1998-2008.	1.2	49
61	Anti-icing properties of superhydrophobic ZnO/PDMS composite coating. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	170
62	Washable and antibacterial superhydrophobic fabric. <i>Applied Surface Science</i> , 2016, 364, 81-85.	3.1	47
63	CHAPTER 11. Fundamentals of Anti-Icing Surfaces. <i>RSC Soft Matter</i> , 2016, , 319-346.	0.2	12
64	Dislodging a sessile drop by a high-Reynolds-number shear flow at subfreezing temperatures. <i>Physical Review E</i> , 2015, 92, 023007.	0.8	36
65	Effects of surface wettability on fast liquid transfer. <i>Physics of Fluids</i> , 2015, 27, .	1.6	31
66	Effects of Prolonged Exposure to UV and Water on Super-Hydrophobic Surfaces at Ambient and Icing Conditions. , 2015, , .		0
67	Complex Drop Impact Morphology. <i>Langmuir</i> , 2015, 31, 9833-9844.	1.6	38
68	Fast Liquid Transfer between Surfaces: Breakup of Stretched Liquid Bridges. <i>Langmuir</i> , 2015, 31, 11470-11476.	1.6	34
69	Effect of contact angle hysteresis on breakage of a liquid bridge. <i>European Physical Journal: Special Topics</i> , 2015, 224, 277-288.	1.2	5
70	Contact angles of surfactant solutions on heterogeneous surfaces. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5574-5585.	1.3	12
71	Shedding of Water Drops from a Surface under Icing Conditions. <i>Langmuir</i> , 2015, 31, 9340-9347.	1.6	41
72	Runback ice formation mechanism on hydrophilic and superhydrophobic surfaces. <i>Cold Regions Science and Technology</i> , 2015, 109, 53-60.	1.6	42

#	ARTICLE	IF	CITATIONS
73	INVESTIGATION OF WETTING BEHAVIOR ON PATTERNED SURFACES WITH DIFFERENT MICROGEOMETRIES. <i>Interfacial Phenomena and Heat Transfer</i> , 2014, 2, 155-180.	0.3	5
74	Understanding (sessile/constrained) bubble and drop oscillations. <i>Advances in Colloid and Interface Science</i> , 2014, 203, 22-36.	7.0	37
75	Liquid transfer mechanism between two surfaces and the role of contact angles. <i>Soft Matter</i> , 2014, 10, 2503.	1.2	45
76	Study of Model Superoleophobic Surfaces Fabricated with a Modified Bosch Etch Method. <i>Langmuir</i> , 2014, 30, 14039-14047.	1.6	16
77	Wetting of Rough Surfaces by a Low Surface Tension Liquid. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23777-23782.	1.5	29
78	Modeling and Measurement of Contact Angle Hysteresis on Textured High-Contact-Angle Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18554-18563.	1.5	29
79	Investigation of ice shedding properties of superhydrophobic coatings on helicopter blades. <i>Cold Regions Science and Technology</i> , 2014, 100, 50-58.	1.6	101
80	Oil drop shedding from solid substrates by a shearing liquid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 796-806.	2.3	36
81	Understanding the anti-icing behavior of superhydrophobic surfaces. <i>Surface Innovations</i> , 2014, 2, 94-102.	1.4	41
82	A methodology to determine the adhesion force of arbitrarily shaped drops with convex contact lines. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 425-433.	2.3	23
83	A novel electro-thermal anti-icing system for fiber-reinforced polymer composite airfoils. <i>Cold Regions Science and Technology</i> , 2013, 87, 47-58.	1.6	107
84	Understanding the evaporation of spherical drops in quiescent environment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 432, 82-88.	2.3	19
85	Study of Edge Effect to Stop Liquid Spillage for Microgravity Application. <i>Microgravity Science and Technology</i> , 2013, 25, 27-33.	0.7	16
86	Drop Rebound after Impact: The Role of the Receding Contact Angle. <i>Langmuir</i> , 2013, 29, 16045-16050.	1.6	135
87	Modeling Liquid Bridge between Surfaces with Contact Angle Hysteresis. <i>Langmuir</i> , 2013, 29, 3310-3319.	1.6	73
88	Simultaneous monitoring of ice accretion and thermography of an airfoil: an IR imaging methodology. <i>Measurement Science and Technology</i> , 2012, 23, 105405.	1.4	8
89	Drop impact and wettability: From hydrophilic to superhydrophobic surfaces. <i>Physics of Fluids</i> , 2012, 24, .	1.6	293
90	The path to developing realistic finite element long bone models. <i>International Journal of Experimental and Computational Biomechanics</i> , 2012, 2, 30.	0.4	0

#	ARTICLE	IF	CITATIONS
91	Fabrication of polymeric surfaces with similar contact angles but dissimilar contact angle hysteresis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 408, 17-21.	2.3	27
92	Understanding the drop impact phenomenon on soft PDMS substrates. <i>Soft Matter</i> , 2012, 8, 10045.	1.2	68
93	Understanding the Edge Effect in Wetting: A Thermodynamic Approach. <i>Langmuir</i> , 2012, 28, 9421-9430.	1.6	47
94	The Cassie equation: How it is meant to be used. <i>Advances in Colloid and Interface Science</i> , 2012, 170, 48-55.	7.0	234
95	Model and experimental studies for contact angles of surfactant solutions on rough and smooth hydrophobic surfaces. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16208.	1.3	35
96	Producing a superhydrophobic paper and altering its repellency through ink-jet printing. <i>Lab on A Chip</i> , 2011, 11, 936.	3.1	39
97	Understanding the effect of superhydrophobic coatings on energy reduction in anti-icing systems. <i>Cold Regions Science and Technology</i> , 2011, 67, 58-67.	1.6	369
98	A Robust Superhydrophobic Surface for Digital Microfluidics. , 2011, , .		0
99	In vitro biomechanical testing of anterior cruciate ligament reconstruction: Traditional versus physiologically relevant load analysis. <i>Knee</i> , 2011, 18, 193-201.	0.8	16
100	A method for measuring contact angle of asymmetric and symmetric drops. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 388, 29-37.	2.3	67
101	Direct laser patterning of self-assembled monolayer using elliptical laser beams: A theoretical parametric study. <i>Optics and Laser Technology</i> , 2011, 43, 1377-1384.	2.2	5
102	Understanding the Role of Surface Micro-Texture on the Delayed Freezing of Drops on Cold Surfaces. , 2011, , .		1
103	A Finite Element Model for Predicting the Collapse of Short and Large Two-Line Patterns During Drying Process in Photolithography. , 2010, , .		0
104	Representation of bone heterogeneity in subject-specific finite element models for knee. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 99, 154-171.	2.6	10
105	Effects of liquid viscosity and surface tension on atomization in two-phase, gas/liquid fluid coker nozzles. <i>Fuel</i> , 2010, 89, 1872-1882.	3.4	54
106	Magnetophoretic measurement of the drag force on partially immersed microparticles at air-liquid interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 120-128.	2.3	21
107	Review: The Status of Magnetic Aerosol Drug Targeting in the Lung. , 2010, , .		2
108	Electro-Thermal Icing Mitigation System for Polymeric Composite Airfoil. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
109	Interaction of a Microsphere with a Solid-Supported Liquid Film. <i>Langmuir</i> , 2010, 26, 11797-11803.	1.6	42
110	Detachment Force of Particles from Air-Liquid Interfaces of Films and Bubbles. <i>Langmuir</i> , 2010, 26, 18135-18143.	1.6	45
111	Autophilic Effect: Wetting of Hydrophobic Surfaces by Surfactant Solutions. <i>Langmuir</i> , 2010, 26, 4668-4674.	1.6	27
112	Understanding Pattern Collapse in Photolithography Process Due to Capillary Forces. <i>Langmuir</i> , 2010, 26, 13707-13714.	1.6	72
113	Drop Shedding by Shear Flow for Hydrophilic to Superhydrophobic Surfaces. <i>Langmuir</i> , 2009, 25, 14155-14164.	1.6	124
114	General Methodology for Evaluating the Adhesion Force of Drops and Bubbles on Solid Surfaces. <i>Langmuir</i> , 2009, 25, 6143-6154.	1.6	110
115	Subject-specific finite element model of knee: experimental validation using composite and bovine specimens. <i>International Journal of Experimental and Computational Biomechanics</i> , 2009, 1, 146.	0.4	1
116	Controller design and optimization for large-delays image processing in visual closed-loop systems. <i>Mechatronics</i> , 2008, 18, 251-261.	2.0	1
117	Use of mucolytics to enhance magnetic particle retention at a model airway surface. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1834-1843.	1.0	8
118	Understanding of sliding and contact angle results in tilted plate experiments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 73-82.	2.3	252
119	Factors affecting the measurement of roughness factor of surfaces and its implications for wetting studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 83-93.	2.3	63
120	A NURBS-based technique for subject-specific construction of knee bone geometry. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 92, 20-34.	2.6	18
121	Fabrication of Surface Energy/Chemical Gradients Using Self-Assembled Monolayer Surfaces. <i>Langmuir</i> , 2008, 24, 2892-2899.	1.6	21
122	Hierarchical structures for natural superhydrophobic surfaces. <i>Soft Matter</i> , 2008, 4, 462-466.	1.2	127
123	Analysis of Patterning Nanometer Thin Organic Monolayers by a Laser: Curvilinear Paths and Junctions. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 2054-2059.	0.4	1
124	DEVELOPMENT OF AN EXPERIMENTAL METHOD TO EVALUATE THE STABILITY OF GAS-LIQUID SPRAYS. <i>Small Group Research</i> , 2008, 18, 699-722.	1.8	8
125	Mechanism for femtosecond laser pulse patterning of self-assembled monolayers on gold-coated substrates. <i>Journal of Physics: Conference Series</i> , 2007, 59, 428-431.	0.3	11
126	Nanotechnology's Implications for Select Systems of Renewable Energy. <i>International Journal of Green Energy</i> , 2007, 4, 483-503.	2.1	10

#	ARTICLE	IF	CITATIONS
127	Superhydrophobic Surfaces: Adhesive Strongly to Water?. <i>Advanced Materials</i> , 2007, 19, 3421-3422.	11.1	54
128	Analytical study for atomization of biodiesels and their blends in a typical injector: Surface tension and viscosity effects. <i>Fuel</i> , 2007, 86, 1534-1544.	3.4	284
129	Magnetic nanoparticles hit the target. <i>Nature Nanotechnology</i> , 2007, 2, 467-468.	15.6	64
130	Contribution of loading conditions and material properties to stress shielding near the tibial component of total knee replacements. <i>Journal of Biomechanics</i> , 2007, 40, 1410-1416.	0.9	97
131	Microtextured superhydrophobic surfaces: A thermodynamic analysis. <i>Advances in Colloid and Interface Science</i> , 2007, 132, 51-68.	7.0	157
132	Fabrication of Superhydrophobic Surfaces of n-Hexatriacontane. <i>Langmuir</i> , 2006, 22, 5556-5559.	1.6	99
133	Effects of an electric field on the surface tension of conducting drops. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 289, 25-38.	2.3	35
134	Factors Affecting Magnetic Retention of Particles in the Upper Airways: An In Vitro and Ex Vivo Study. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2006, 19, 491-509.	1.2	19
135	Automatic Focusing for Objects with Large Displacement at High Magnification. <i>Measurement and Control</i> , 2006, 39, 118-121.	0.9	0
136	Effect of Gravity on the Macroscopic Advancing Contact Angle of Sessile Drops. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 39-43.	0.9	16
137	Effect of gravity and electric field on shape and surface tension of drops. <i>Advances in Space Research</i> , 2005, 36, 64-69.	1.2	44
138	A parametric analysis of fixation post shape in tibial knee prostheses. <i>Medical Engineering and Physics</i> , 2005, 27, 123-134.	0.8	37
139	A three-dimensional finite element stress analysis for tunnel placement and buttons in anterior cruciate ligament reconstructions. <i>Journal of Biomechanics</i> , 2005, 38, 827-832.	0.9	33
140	The effect of line tension on the shape of liquid menisci near stripwise heterogeneous walls. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 103-118.	7.0	14
141	Investigation of a hybrid method of soft tissue graft fixation for anterior cruciate ligament reconstruction. <i>Knee</i> , 2005, 12, 149-153.	0.8	13
142	Magnetic targeting of aerosol particles for cancer therapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 442-449.	1.0	52
143	Stiffness characteristics of hamstring tendon graft fixation methods at the femoral site. <i>International Orthopaedics</i> , 2005, 29, 35-38.	0.9	14
144	Effect of electric fields on contact angle and surface tension of drops. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 215-222.	5.0	90

#	ARTICLE	IF	CITATIONS
145	A thermodynamic approach for determining the contact angle hysteresis for superhydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 2005, 292, 195-201.	5.0	260
146	A novel methodology to study shape and surface tension of drops in Electric Fields. <i>Microgravity Science and Technology</i> , 2005, 16, 153-157.	0.7	9
147	Kinetics of alkanethiol monolayer desorption from gold in air. <i>Chemical Communications</i> , 2005, , 4869.	2.2	22
148	Contact Angle Measurement for Dispersed Microspheres Using Scanning Confocal Microscopy. <i>Journal of Dispersion Science and Technology</i> , 2005, 25, 567-574.	1.3	27
149	Thermo-Kinetics Study of Laser-Induced Desorption of Self-Assembled Monolayers from Gold:â€™ Case of Laser Micropatterning. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11996-12002.	1.2	19
150	ON THERMODYNAMICS OF THIN FILMS: THE MECHANICAL EQUILIBRIUM CONDITION AND CONTACT ANGLES. <i>Journal of Adhesion</i> , 2004, 80, 1003-1016.	1.8	8
151	Status of the three-phase line tension: a review. <i>Advances in Colloid and Interface Science</i> , 2004, 110, 121-141.	7.0	315
152	Direct Patterning of Self-Assembled Monolayers on Gold Using a Laser Beam. <i>Langmuir</i> , 2004, 20, 2667-2676.	1.6	47
153	Effect of Surfactants on Wetting of Super-Hydrophobic Surfaces. <i>Langmuir</i> , 2004, 20, 9657-9662.	1.6	147
154	Development of a New Methodology To Study Drop Shape and Surface Tension in Electric Fields. <i>Langmuir</i> , 2004, 20, 7589-7597.	1.6	84
155	Determination of line tension for systems near wetting. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 152-160.	5.0	42
156	A high-accuracy polynomial fitting approach to determine contact angles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 219, 215-231.	2.3	106
157	Generalized Mechanical Equilibrium Condition for Multiphase Contact Lines and Multiphase Contact Points. <i>Langmuir</i> , 2003, 19, 4658-4665.	1.6	3
158	Development of a finite element tool for stress analysis of femur and tibia incorporating anatomically realistic mechanical properties. , 2003, , 1617-1621.		2
159	Implementation and examination of a new drop shape analysis algorithm to measure contact angle and surface tension from the diameters of two sessile drops. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 161, 63-74.	2.3	8
160	Measurements of Line Tension for Solidâ€™Liquidâ€™Vapor Systems Using Drop Size Dependence of Contact Angles and Its Correlation with Solidâ€™Liquid Interfacial Tension. <i>Langmuir</i> , 2000, 16, 2024-2031.	1.6	64
161	Automation of the axisymmetric drop shape analysis-diameter for contact angle measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 156, 163-176.	2.3	26
162	Line Tension Measurements through Drop Size Dependence of Contact Angle. <i>Journal of Colloid and Interface Science</i> , 1998, 205, 1-11.	5.0	121

#	ARTICLE	IF	CITATIONS
163	Drop size dependence of contact angles for liquid tin on silica surface: line tension and its correlation with solid-liquid interfacial tension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 142, 183-188.	2.3	40
164	Line Tension Measurements: An Application of the Quadrilateral Relation to a Liquid Lens System. <i>Langmuir</i> , 1997, 13, 3035-3042.	1.6	31
165	Determination of contact angle of microspheres by microscopy methods. , 0, , .		3
166	Direct writing of self-assembled monolayers on gold coated substrates using a CW argon laser. , 0, , .		1
167	Effect of Superhydrophobic Surfaces for Wetting in Micro-Systems. , 0, , .		0
168	Model Studies of Magnetic Particle Retention in the Conducting Airways. , 0, , .		1
169	Effect of Gravity on the Macroscopic Advancing Contact Angle: An Experimental Investigation. , 0, , .		0
170	Effect of Biodiesel Fuel Properties and Its Blends on Atomization. , 0, , .		21
171	New Ellipse Fitting Method for Contact Angle Measurement. <i>Surface Innovations</i> , 0, , 1-9.	1.4	2