Alidad Amirfazli

List of Publications by Year
in descending order

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	Understanding the effect of superhydrophobic coatings on energy reduction in anti-icing systems. Cold Regions Science and Technology, 2011, 67, 58-67.	1.6	369
2	Contact angles and wettability: towards common and accurate terminology. Surface Innovations, 2017, 5, 3-8.	1.4	328
3	Status of the three-phase line tension: a review. Advances in Colloid and Interface Science, 2004, 110, 121-141.	7.0	315
4	Drop impact and wettability: From hydrophilic to superhydrophobic surfaces. Physics of Fluids, 2012, 24, .	1.6	293
5	Analytical study for atomization of biodiesels and their blends in a typical injector: Surface tension and viscosity effects. Fuel, 2007, 86, 1534-1544.	3.4	284
6	A thermodynamic approach for determining the contact angle hysteresis for superhydrophobic surfaces. Journal of Colloid and Interface Science, 2005, 292, 195-201.	5.0	260
7	Understanding of sliding and contact angle results in tilted plate experiments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 323, 73-82.	2.3	252
8	The Cassie equation: How it is meant to be used. Advances in Colloid and Interface Science, 2012, 170, 48-55.	7.0	234
9	Anti-icing properties of superhydrophobic ZnO/PDMS composite coating. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	170
10	Microtextured superhydrophobic surfaces: A thermodynamic analysis. Advances in Colloid and Interface Science, 2007, 132, 51-68.	7.0	157
11	Effect of Surfactants on Wetting of Super-Hydrophobic Surfaces. Langmuir, 2004, 20, 9657-9662.	1.6	147
12	Drop Rebound after Impact: The Role of the Receding Contact Angle. Langmuir, 2013, 29, 16045-16050.	1.6	135
13	Hierarchical structures for natural superhydrophobic surfaces. Soft Matter, 2008, 4, 462-466.	1.2	127
14	Drop Shedding by Shear Flow for Hydrophilic to Superhydrophobic Surfaces. Langmuir, 2009, 25, 14155-14164.	1.6	124
15	Line Tension Measurements through Drop Size Dependence of Contact Angle. Journal of Colloid and Interface Science, 1998, 205, 1-11.	5.0	121
16	General Methodology for Evaluating the Adhesion Force of Drops and Bubbles on Solid Surfaces. Langmuir, 2009, 25, 6143-6154.	1.6	110
17	A novel electro-thermal anti-icing system for fiber-reinforced polymer composite airfoils. Cold Regions Science and Technology, 2013, 87, 47-58.	1.6	107
18	A high-accuracy polynomial fitting approach to determine contact angles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 219, 215-231.	2.3	106

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19	Investigation of ice shedding properties of superhydrophobic coatings on helicopter blades. Cold Regions Science and Technology, 2014, 100, 50-58.	1.6	101
20	Droplet impact onto a solid sphere: Effect of wettability and impact velocity. Physics of Fluids, 2017, 29, .	1.6	101
21	Fabrication of Superhydrophobic Surfaces ofn-Hexatriacontane. Langmuir, 2006, 22, 5556-5559.	1.6	99
22	Contribution of loading conditions and material properties to stress shielding near the tibial component of total knee replacements. Journal of Biomechanics, 2007, 40, 1410-1416.	0.9	97
23	Effect of electric fields on contact angle and surface tension of drops. Journal of Colloid and Interface Science, 2005, 283, 215-222.	5.0	90
24	Droplet impact: Viscosity and wettability effects on splashing. Journal of Colloid and Interface Science, 2019, 553, 22-30.	5.0	89
25	Development of a New Methodology To Study Drop Shape and Surface Tension in Electric Fields. Langmuir, 2004, 20, 7589-7597.	1.6	84
26	Polysiloxane as icephobic materials â€“ The past, present and the future. Chemical Engineering Journal, 2021, 405, 127088.	6.6	83
27	Modeling Liquid Bridge between Surfaces with Contact Angle Hysteresis. Langmuir, 2013, 29, 3310-3319.	1.6	73
28	Understanding Pattern Collapse in Photolithography Process Due to Capillary Forces. Langmuir, 2010, 26, 13707-13714.	1.6	72
29	Understanding the drop impact phenomenon on soft PDMS substrates. Soft Matter, 2012, 8, 10045.	1.2	68
30	A method for measuring contact angle of asymmetric and symmetric drops. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 388, 29-37.	2.3	67
31	Measurements of Line Tension for Solidâ^'Liquidâ^'Vapor Systems Using Drop Size Dependence of Contact Angles and Its Correlation with Solidâ^'Liquid Interfacial Tension. Langmuir, 2000, 16, 2024-2031.	1.6	64
32	Magnetic nanoparticles hit the target. Nature Nanotechnology, 2007, 2, 467-468.	15.6	64
33	Factors affecting the measurement of roughness factor of surfaces and its implications for wetting studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 323, 83-93.	2.3	63
34	Robust superhydrophobic fabric via UV-accelerated atmospheric deposition of polydopamine and silver nanoparticles for solar evaporation and water/oil separation. Chemical Engineering Journal, 2022, 429, 132539.	6.6	56
35	Superhydrophobic Surfaces: Adhesive Strongly to Water?. Advanced Materials, 2007, 19, 3421-3422.	11.1	54
36	Effects of liquid viscosity and surface tension on atomization in two-phase, gas/liquid fluid coker nozzles. Fuel, 2010, 89, 1872-1882.	3.4	54

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37	Magnetic targeting of aerosol particles for cancer therapy. Journal of Magnetism and Magnetic Materials, 2005, 293, 442-449.	1.0	52
38	How pinning and contact angle hysteresis govern quasi-static liquid drop transfer. Soft Matter, 2016, 12, 1998-2008.	1.2	49
39	Direct Patterning of Self-Assembled Monolayers on Gold Using a Laser Beam. Langmuir, 2004, 20, 2667-2676.	1.6	47
40	Understanding the Edge Effect in Wetting: A Thermodynamic Approach. Langmuir, 2012, 28, 9421-9430.	1.6	47
41	Washable and antibacterial superhydrophbic fabric. Applied Surface Science, 2016, 364, 81-85.	3.1	47
42	One-step fabrication of transparent superhydrophobic surface. Applied Surface Science, 2021, 542, 148534.	3.1	47
43	Contact angle measurement with a smartphone. Review of Scientific Instruments, 2018, 89, 035117.	0.6	46
44	Detachment Force of Particles from Airâ^'Liquid Interfaces of Films and Bubbles. Langmuir, 2010, 26, 18135-18143.	1.6	45
45	Liquid transfer mechanism between two surfaces and the role of contact angles. Soft Matter, 2014, 10, 2503.	1.2	45
46	Effect of gravity and electric field on shape and surface tension of drops. Advances in Space Research, 2005, 36, 64-69.	1.2	44
47	3D printed electro-thermal anti- or de-icing system for composite panels. Cold Regions Science and Technology, 2019, 166, 102844.	1.6	43
48	Determination of line tension for systems near wetting. Journal of Colloid and Interface Science, 2003, 265, 152-160.	5.0	42
49	Interaction of a Microsphere with a Solid-Supported Liquid Film. Langmuir, 2010, 26, 11797-11803.	1.6	42
50	Runback ice formation mechanism on hydrophilic and superhydrophobic surfaces. Cold Regions Science and Technology, 2015, 109, 53-60.	1.6	42
51	Understanding the drop impact on moving hydrophilic and hydrophobic surfaces. Soft Matter, 2017, 13, 2040-2053.	1.2	42
52	Understanding the anti-icing behavior of superhydrophobic surfaces. Surface Innovations, 2014, 2, 94-102.	1.4	41
53	Shedding of Water Drops from a Surface under Icing Conditions. Langmuir, 2015, 31, 9340-9347.	1.6	41
54	Drop size dependence of contact angles for liquid tin on silica surface: line tension and its correlation with solidâ€“liquid interfacial tension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 142, 183-188.	2.3	40

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55	Producing a superhydrophobic paper and altering its repellency through ink-jet printing. Lab on A Chip, 2011, 11, 936.	3.1	39
56	Complex Drop Impact Morphology. Langmuir, 2015, 31, 9833-9844.	1.6	38
57	A parametric analysis of fixation post shape in tibial knee prostheses. Medical Engineering and Physics, 2005, 27, 123-134.	0.8	37
58	Understanding (sessile/constrained) bubble and drop oscillations. Advances in Colloid and Interface Science, 2014, 203, 22-36.	7.0	37
59	Oil drop shedding from solid substrates by a shearing liquid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 796-806.	2.3	36
60	Dislodging a sessile drop by a high-Reynolds-number shear flow at subfreezing temperatures. Physical Review E, 2015, 92, 023007.	0.8	36
61	Effects of an electric field on the surface tension of conducting drops. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 289, 25-38.	2.3	35
62	Model and experimental studies for contact angles of surfactant solutions on rough and smooth hydrophobic surfaces. Physical Chemistry Chemical Physics, 2011, 13, 16208.	1.3	35
63	Asymmetric Spreading of a Drop upon Impact onto a Surface. Langmuir, 2017, 33, 5957-5964.	1.6	35
64	Drop impact onto a thin film: Miscibility effect. Physics of Fluids, 2017, 29, .	1.6	35
65	Fast Liquid Transfer between Surfaces: Breakup of Stretched Liquid Bridges. Langmuir, 2015, 31, 11470-11476.	1.6	34
66	A three-dimensional finite element stress analysis for tunnel placement and buttons in anterior cruciate ligament reconstructions. Journal of Biomechanics, 2005, 38, 827-832.	0.9	33
67	Spray-On Nanocomposite Coatings: Wettability and Conductivity. Langmuir, 2020, 36, 11393-11410.	1.6	32
68	Line Tension Measurements:Â An Application of the Quadrilateral Relation to a Liquid Lens System. Langmuir, 1997, 13, 3035-3042.	1.6	31
69	Effects of surface wettability on fast liquid transfer. Physics of Fluids, 2015, 27, .	1.6	31
70	Wetting Transition on Textured Surfaces: A Thermodynamic Approach. Journal of Physical Chemistry C, 2019, 123, 23976-23986.	1.5	31
71	Durable Superhydrophobic Wood via One-Step Immersion in Composite Silane Solution. ACS Omega, 2021, 6, 7266-7274.	1.6	31
72	Methyltrimethoxysilane as a multipurpose chemical for durable superhydrophobic cotton fabric. Progress in Organic Coatings, 2020, 146, 105700.	1.9	30

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73	Wetting of Rough Surfaces by a Low Surface Tension Liquid. Journal of Physical Chemistry C, 2014, 118, 23777-23782.	1.5	29
74	Modeling and Measurement of Contact Angle Hysteresis on Textured High-Contact-Angle Surfaces. Journal of Physical Chemistry C, 2014, 118, 18554-18563.	1.5	29
75	Contact Angle Measurement for Dispersed Microspheres Using Scanning Confocal Microscopy. Journal of Dispersion Science and Technology, 2005, 25, 567-574.	1.3	27
76	Autophilic Effect: Wetting of Hydrophobic Surfaces by Surfactant Solutions. Langmuir, 2010, 26, 4668-4674.	1.6	27
77	Fabrication of polymeric surfaces with similar contact angles but dissimilar contact angle hysteresis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 408, 17-21.	2.3	27
78	Automation of the axisymmetric drop shape analysis-diameter for contact angle measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 156, 163-176.	2.3	26
79	Stability of a liquid bridge between nonparallel hydrophilic surfaces. Journal of Colloid and Interface Science, 2017, 492, 207-217.	5.0	26
80	Sessile drop evaporation under an electric field. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 580-585.	2.3	24
81	A methodology to determine the adhesion force of arbitrarily shaped drops with convex contact lines. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 425-433.	2.3	23
82	Kinetics of alkanethiol monolayer desorption from gold in air. Chemical Communications, 2005, , 4869.	2.2	22
83	An experimental study for impact of a drop onto a particle in mid-air: The influence of particle wettability. Journal of Fluids and Structures, 2016, 66, 282-292.	1.5	22
84	Effect of Biodiesel Fuel Properties and Its Blends on Atomization. , 0, , .		21
85	Fabrication of Surface Energy/Chemical Gradients Using Self-Assembled Monolayer Surfaces. Langmuir, 2008, 24, 2892-2899.	1.6	21
86	Magnetophoretic measurement of the drag force on partially immersed microparticles at airâ€“liquid interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 120-128.	2.3	21
87	Droplet impact onto a solid sphere in mid-air: Effect of viscosity, gas density, and diameter ratio on impact outcomes. Physics of Fluids, 2020, 32, .	1.6	21
88	Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating. Advanced Materials Interfaces, 2021, 8, 1902110.	1.9	21
89	Thermo-Kinetics Study of Laser-Induced Desorption of Self-Assembled Monolayers from Gold:â€‰ Case of Laser Micropatterning. Journal of Physical Chemistry B, 2005, 109, 11996-12002.	1.2	19
90	Factors Affecting Magnetic Retention of Particles in the Upper Airways: An In Vitro and Ex Vivo Study. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2006, 19, 491-509.	1.2	19

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91	Understanding the evaporation of spherical drops in quiescent environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 432, 82-88.	2.3	19
92	Impact of particle-laden drops: Particle distribution on the substrate. Journal of Colloid and Interface Science, 2017, 490, 108-118.	5.0	19
93	Surface tension measurement with a smartphone using a pendant drop. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 213-217.	2.3	19
94	Diverse perspectives on interdisciplinarity from Members of the College of the Royal Society of Canada. Facets, 2020, 5, 138-165.	1.1	19
95	Recent progress in stimulus-responsive superhydrophobic surfaces. Progress in Organic Coatings, 2022, 168, 106877.	1.9	19
96	A NURBS-based technique for subject-specific construction of knee bone geometry. Computer Methods and Programs in Biomedicine, 2008, 92, 20-34.	2.6	18
97	Reversible transition between superhydrophobicity and superhydrophilicity of a silver surface. Surface and Coatings Technology, 2016, 294, 47-53.	2.2	18
98	Droplet Control Based on Pinning and Substrate Wettability. Langmuir, 2021, 37, 4248-4255.	1.6	17
99	Preparations of versatile polytetrafluoroethylene superhydrophobic surfaces using the femtosecond laser technology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127441.	2.3	17
100	Effect of initial wetting state on plastron recovery through heating. International Journal of Heat and Mass Transfer, 2020, 156, 119705.	2.5	17
101	Effect of Gravity on the Macroscopic Advancing Contact Angle of Sessile Drops. Canadian Journal of Chemical Engineering, 2006, 84, 39-43.	0.9	16
102	In vitro biomechanical testing of anterior cruciate ligament reconstruction: Traditional versus physiologically relevant load analysis. Knee, 2011, 18, 193-201.	0.8	16
103	Study of Edge Effect to Stop Liquid Spillage for Microgravity Application. Microgravity Science and Technology, 2013, 25, 27-33.	0.7	16
104	Study of Model Superoleophobic Surfaces Fabricated with a Modified Bosch Etch Method. Langmuir, 2014, 30, 14039-14047.	1.6	16
105	Fabrication of water-repellent surfaces on galvanized steel. RSC Advances, 2016, 6, 71970-71976.	1.7	15
106	Motion of a liquid bridge between nonparallel surfaces. Journal of Colloid and Interface Science, 2017, 492, 218-228.	5.0	15
107	Shedding of multiple sessile droplets by an airflow. Physics of Fluids, 2018, 30, .	1.6	15
108	Spreading of low-viscous liquids on a stationary and a moving surface. Experiments in Fluids, 2019, 60, 1.	1.1	15

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109	The effect of line tension on the shape of liquid menisci near stripwise heterogeneous walls. Advances in Colloid and Interface Science, 2005, 114-115, 103-118.	7.0	14
110	Stiffness characteristics of hamstring tendon graft fixation methods at the femoral site. International Orthopaedics, 2005, 29, 35-38.	0.9	14
111	Resolving an ostensible inconsistency in calculating the evaporation rate of sessile drops. Advances in Colloid and Interface Science, 2017, 243, 121-128.	7.0	14
112	Investigation of a hybrid method of soft tissue graft fixation for anterior cruciate ligament reconstruction. Knee, 2005, 12, 149-153.	0.8	13
113	Pneumatic drop generator: Liquid pinch-off and velocity of single droplets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 204-213.	2.3	13
114	Contact angles of surfactant solutions on heterogeneous surfaces. Physical Chemistry Chemical Physics, 2015, 17, 5574-5585.	1.3	12
115	Icing of static and high-speed water droplets on superhydrophobic surface. Materials Letters, 2021, 285, 129048.	1.3	12
116	CHAPTER 11. Fundamentals of Anti-Icing Surfaces. RSC Soft Matter, 2016, , 319-346.	0.2	12
117	Mechanism for femtosecond laser pulse patterning of self-assembled monolayers on gold-coated substrates. Journal of Physics: Conference Series, 2007, 59, 428-431.	0.3	11
118	Behavior of a Liquid Bridge between Nonparallel Hydrophobic Surfaces. Langmuir, 2017, 33, 14674-14683.	1.6	11
119	Unexpected superhydrophobic polydopamine on cotton fabric. Progress in Organic Coatings, 2020, 147, 105777.	1.9	11
120	Nanotechnology's Implications for Select Systems of Renewable Energy. International Journal of Green Energy, 2007, 4, 483-503.	2.1	10
121	Representation of bone heterogeneity in subject-specific finite element models for knee. Computer Methods and Programs in Biomedicine, 2010, 99, 154-171.	2.6	10
122	Liquid bridge as a tunable-focus cylindrical liquid lens. Applied Physics Letters, 2017, 110, .	1.5	10
123	Shedding of a pair of sessile droplets. International Journal of Multiphase Flow, 2019, 110, 59-68.	1.6	10
124	Determining transient heat transfer coefficient for dropwise condensation in the presence of an air flow. International Journal of Heat and Mass Transfer, 2021, 173, 121278.	2.5	10
125	A novel methodology to study shape and surface tension of drops in Electric Fields. Microgravity Science and Technology, 2005, 16, 153-157.	0.7	9
126	Implementation and examination of a new drop shape analysis algorithm to measure contact angle and surface tension from the diameters of two sessile drops. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 161, 63-74.	2.3	8

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127	ON THERMODYNAMICS OF THIN FILMS: THE MECHANICAL EQUILIBRIUM CONDITION AND CONTACT ANGLES. Journal of Adhesion, 2004, 80, 1003-1016.	1.8	8
128	Use of mucolytics to enhance magnetic particle retention at a model airway surface. Journal of Magnetism and Magnetic Materials, 2008, 320, 1834-1843.	1.0	8
129	Simultaneous monitoring of ice accretion and thermography of an airfoil: an IR imaging methodology. Measurement Science and Technology, 2012, 23, 105405.	1.4	8
130	DROP IMPACT ONTO A CANTILEVER BEAM: BEHAVIOR OF THE LAMELLA AND FORCE MEASUREMENT. Interfacial Phenomena and Heat Transfer, 2019, 7, 85-96.	0.3	8
131	DEVELOPMENT OF AN EXPERIMENTAL METHOD TO EVALUATE THE STABILITY OF GAS-LIQUID SPRAYS. Small Group Research, 2008, 18, 699-722.	1.8	8
132	Anti-icing fluids interaction with surfaces: Ice protection and wettability change. International Communications in Heat and Mass Transfer, 2021, 129, 105698.	2.9	8
133	Influence of Superhydrophobic Properties on Deicing. Journal of Engineering Physics and Thermophysics, 2016, 89, 1476-1481.	0.2	7
134	Robust superhydrophobic coatings from modified siloxane resin. Surface Innovations, 2017, 5, 203-210.	1.4	6
135	Reproducibility of superhydrophobic and oleophobic polymeric micro surface topographies. Surface Topography: Metrology and Properties, 2020, 8, 045010.	0.9	6
136	Receding Phase and Rebound Behavior for Drop Impact onto an Ultrathin Film. Langmuir, 2021, 37, 3849-3857.	1.6	6
137	Water and mildew proof SiO₂ & ZnO/silica sol superhydrophobic composite coating on a circuit board. RSC Advances, 2021, 11, 21862-21869.	1.7	6
138	IMPACT OF PARTICLE-LADEN DROPS: SPLASHING CRITERION. Atomization and Sprays, 2017, 27, 395-406.	0.3	6
139	Direct laser patterning of self-assembled monolayer using elliptical laser beams: A theoretical parametric study. Optics and Laser Technology, 2011, 43, 1377-1384.	2.2	5
140	INVESTIGATION OF WETTING BEHAVIOR ON PATTERNED SURFACES WITH DIFFERENT MICROGEOMETRIES. Interfacial Phenomena and Heat Transfer, 2014, 2, 155-180.	0.3	5
141	Effect of contact angle hysteresis on breakage of a liquid bridge. European Physical Journal: Special Topics, 2015, 224, 277-288.	1.2	5
142	Viscoelastic liquid bridge breakup and liquid transfer between two surfaces. Journal of Colloid and Interface Science, 2021, 582, 1251-1256.	5.0	5
143	Drop impact onto semi-infinite solid surfaces with different wettabilities. Physical Review Fluids, 2019, 4, .	1.0	5
144	Effect of condensation on surface contact angle. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127739.	2.3	4

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145	Ice imaging in aircraft anti-icing fluid films using polarized light. Cold Regions Science and Technology, 2022, 194, 103459.	1.6	4
146	Novel SLIPS based on the photo-thermal MOFs with enhanced anti-icing/de-icing properties. RSC Advances, 2022, 12, 13792-13796.	1.7	4
147	Determination of contact angle of microspheres by microscopy methods. , 0, , .		3
148	Generalized Mechanical Equilibrium Condition for Multiphase Contact Lines and Multiphase Contact Points. Langmuir, 2003, 19, 4658-4665.	1.6	3
149	Review: The Status of Magnetic Aerosol Drug Targeting in the Lung. , 2010, , .		2
150	Conductive Coating: Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating (Adv. Mater. Interfaces 2/2021). Advanced Materials Interfaces, 2021, 8, 2170008.	1.9	2
151	New Ellipse Fitting Method for Contact Angle Measurement. Surface Innovations, 0, , 1-9.	1.4	2
152	Development of a finite element tool for stress analysis of femur and tibia incorporating anatomically realistic mechanical properties. , 2003, , 1617-1621.		2
153	Fabrication and Characterization of Polystyrene Colloidal Photonic Crystals on Soft Sodium Alginate Film. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 472-478.	0.1	2
154	Direct writing of self-assembled monolayers on gold coated substrates using a CW argon laser. , 0, , .		1
155	Model Studies of Magnetic Particle Retention in the Conducting Airways. , 0, , .		1
156	Controller design and optimization for large-delays image processing in visual closed-loop systems. Mechatronics, 2008, 18, 251-261.	2.0	1
157	Analysis of Patterning Nanometer Thin Organic Monolayers by a Laser: Curvilinear Paths and Junctions. Journal of Computational and Theoretical Nanoscience, 2008, 5, 2054-2059.	0.4	1
158	Subject-specific finite element model of knee: experimental validation using composite and bovine specimens. International Journal of Experimental and Computational Biomechanics, 2009, 1, 146.	0.4	1
159	Understanding the Role of Surface Micro-Texture on the Delayed Freezing of Drops on Cold Surfaces. , 2011, , .		1
160	Energy of a Drop Required to Break a Liquid Film. Langmuir, 2021, 37, 10433-10438.	1.6	1
161	Unexpected Superhydrophobicity on a Wide Range of Substrates via a One-step Immersion in Aqueous Solution without Hydrophobic Agent. Chemistry Letters, 2021, 50, 1601-1603.	0.7	1
162	Effect of Superhydrophobic Surfaces for Wetting in Micro-Systems. , 0, , .		0

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163	Effect of Gravity on the Macroscopic Advancing Contact Angle: An Experimental Investigation. , 0, , .		0
164	Automatic Focusing for Objects with Large Displacement at High Magnification. Measurement and Control, 2006, 39, 118-121.	0.9	0
165	A Finite Element Model for Predicting the Collapse of Short and Large Two-Line Patterns During Drying Process in Photolithography. , 2010, , .		0
166	Electro-Thermal Icing Mitigation System for Polymeric Composite Airfoil. , 2010, , .		0
167	A Robust Superhydrophobic Surface for Digital Microfluidics. , 2011, , .		0
168	The path to developing realistic finite element long bone models. International Journal of Experimental and Computational Biomechanics, 2012, 2, 30.	0.4	0
169	Effects of Prolonged Exposure to UV and Water on Super-Hydrophobic Surfaces at Ambient and Icing Conditions. , 2015, , .		0
170	Puncture of a Viscous Liquid Film Due to Droplet Falling. Fluids, 2022, 7, 196.	0.8	0
171	Anti-icing fluid performance on substrates with different thermal conductivity and roughness. Cold Regions Science and Technology, 2022, 202, 103630.	1.6	0