Glen McHale

List of Publications by Year
in descending order

231 papers	12,585 citations	26610 56 h-index	27389 106 g-index
232 all docs	232 docs citations	232 times ranked	10381 citing authors

#	Article	IF	Citations
1	Flow and Drop Transport Along Liquid-Infused Surfaces. Annual Review of Fluid Mechanics, 2022, 54, 83-104.	10.8	42
2	Leidenfrost Effect and Surface Wettability. , 2022, , 189-233.		2
3	Slippery Liquid-Like Solid Surfaces with Promising Antibiofilm Performance under Both Static and Flow Conditions. ACS Applied Materials & Interfaces, 2022, 14, 6307-6319.	4.0	35
4	Rayleigh and shear-horizontal surface acoustic waves simultaneously generated in inclined ZnO films for acoustofluidic lab-on-a-chip. Surface and Coatings Technology, 2022, 442, 128336.	2.2	4
5	Friction Coefficients for Droplets on Solids: The Liquidâ€"Solid Amontonsâ€™ Laws. Langmuir, 2022, 38, 4425-4433.	1.6	23
6	Dielectrowetting on curved surfaces. Applied Physics Letters, 2022, 120, 191601.	1.5	0
7	Bubble Control, Levitation, and Manipulation Using Dielectrophoresis. Advanced Materials Interfaces, 2021, 8, 2001204.	1.9	10
8	Slippery liquidâ€infused porous surfaces: The effect of oil on the water repellence of hydrophobic and superhydrophobic soils. European Journal of Soil Science, 2021, 72, 963-978.	1.8	8
9	Engineering inclined orientations of piezoelectric films for integrated acoustofluidics and lab-on-a-chip operated in liquid environments. Lab on A Chip, 2021, 21, 254-271.	3.1	20
10	Biaxially Morphing Droplet Shape by an Active Surface. Advanced Materials Interfaces, 2021, 8, 2001199.	1.9	9
11	Apparent contact angle of drops on liquid infused surfaces: geometric interpretation. Soft Matter, 2021, 17, 9553-9559.	1.2	16
12	Effect of Vapour Pressure on Power Output of a Leidenfrost Heat Engine. , 2021, , 131-135.		0
13	Beyond Leidenfrost levitation: A thin-film boiling engine for controlled power generation. Applied Energy, 2021, 287, 116556.	5.1	6
14	Controlling the breakup of toroidal liquid films on solid surfaces. Scientific Reports, 2021, 11, 8120.	1.6	6
15	Flexible/Bendable Acoustofluidics Based on Thin-Film Surface Acoustic Waves on Thin Aluminum Sheets. ACS Applied Materials & Interfaces, 2021, 13, 16978-16986.	4.0	23
16	Lattice Boltzmann Simulations of Multiphase Dielectric Fluids. Langmuir, 2021, 37, 7328-7340.	1.6	3
17	Surface Acoustic Waves to Control Droplet Impact onto Superhydrophobic and Slippery Liquid-Infused Porous Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 46076-46087.	4.0	29
18	Nanoscale â€œEarthquakeâ€• Effect Induced by Thin Film Surface Acoustic Waves as a New Strategy for Ice Protection. Advanced Materials Interfaces, 2021, 8, 2001776.	1.9	16

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19	Bidirectional motion of droplets on gradient liquid infused surfaces. Communications Physics, 2020, 3, .	2.0	32
20	Contact-Angle Hysteresis and Contact-Line Friction on Slippery Liquid-like Surfaces. Langmuir, 2020, 36, 15094-15101.	1.6	44
21	Acoustic Waves for Active Reduction of Contact Time in Droplet Impact. Physical Review Applied, 2020, 14, .	1.5	16
22	Antiwetting and Antifouling Performances of Different Lubricant-Infused Slippery Surfaces. Langmuir, 2020, 36, 13396-13407.	1.6	24
23	Planar selective Leidenfrost propulsion without physically structured substrates or walls. Applied Physics Letters, 2020, 117, .	1.5	8
24	Evaporation and Electrowetting of Sessile Droplets on Slippery Liquid-Like Surfaces and Slippery Liquid-Infused Porous Surfaces (SLIPS). Langmuir, 2020, 36, 11332-11340.	1.6	24
25	Self-propelled droplet transport on shaped-liquid surfaces. Scientific Reports, 2020, 10, 14987.	1.6	37
26	Microheater isolation characterisation to aid the optimisation of a MEMS Leidenfrost engine. , 2020, , .		0
27	Hierarchical Nanotexturing Enables Acoustofluidics on Slippery yet Sticky, Flexible Surfaces. Nano Letters, 2020, 20, 3263-3270.	4.5	38
28	Interfacial Strategies for Smart Slippery Surfaces. Journal of Bionic Engineering, 2020, 17, 633-643.	2.7	5
29	Electrostatic control of dewetting dynamics. Applied Physics Letters, 2020, 116, .	1.5	8
30	Integrating microfluidics and biosensing on a single flexible acoustic device using hybrid modes. Lab on A Chip, 2020, 20, 1002-1011.	3.1	28
31	A viscous switch for liquid-liquid dewetting. Communications Physics, 2020, 3, .	2.0	10
32	Double-sided slippery liquid-infused porous materials using conformable mesh. Scientific Reports, 2019, 9, 13280.	1.6	22
33	Pinning-Free Evaporation of Sessile Droplets of Water from Solid Surfaces. Langmuir, 2019, 35, 2989-2996.	1.6	53
34	Droplet Retention and Shedding on Slippery Substrates. Langmuir, 2019, 35, 9146-9151.	1.6	15
35	Leidenfrost heat engine: Sustained rotation of levitating rotors on turbine-inspired substrates. Applied Energy, 2019, 240, 399-408.	5.1	29
36	Low-Friction Self-Centering Droplet Propulsion and Transport Using a Leidenfrost Herringbone-Ratchet Structure. Physical Review Applied, 2019, 11, .	1.5	15

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37	Apparent Contact Angles on Lubricant-Impregnated Surfaces/SLIPS: From Superhydrophobicity to Electrowetting. Langmuir, 2019, 35, 4197-4204.	1.6	79
38	Statics and dynamics of liquid barrels in wedgeÂgeometries. Journal of Fluid Mechanics, 2018, 842, 26-57.	1.4	15
39	Dielectrowetting: The past, present and future. Current Opinion in Colloid and Interface Science, 2018, 36, 28-36.	3.4	48
40	Hierarchical Structures: Spatially Configuring Wrinkle Pattern and Multiscale Surface Evolution with Structural Confinement (Adv. Funct. Mater. 1/2018). Advanced Functional Materials, 2018, 28, 1870005.	7.8	0
41	Bioinspired nanoparticle spray-coating for superhydrophobic flexible materials with oil/water separation capabilities. Bioinspiration and Biomimetics, 2018, 13, 024001.	1.5	30
42	Spatially Configuring Wrinkle Pattern and Multiscale Surface Evolution with Structural Confinement. Advanced Functional Materials, 2018, 28, 1704228.	7.8	28
43	Bimorph material/structure designs for high sensitivity flexible surface acoustic wave temperature sensors. Scientific Reports, 2018, 8, 9052.	1.6	32
44	Apparent contact angle and contact angle hysteresis on liquid infused surfaces. Soft Matter, 2017, 13, 101-110.	1.2	134
45	Slippery Liquid-Infused Porous Surfaces and Droplet Transportation by Surface Acoustic Waves. Physical Review Applied, 2017, 7, .	1.5	62
46	Drop transport and positioning on lubricant-impregnated surfaces. Soft Matter, 2017, 13, 3404-3410.	1.2	48
47	Advances in piezoelectric thin films for acoustic biosensors, acoustofluidics and lab-on-chip applications. Progress in Materials Science, 2017, 89, 31-91.	16.0	467
48	Electric field induced reversible spreading of droplets into films on lubricant impregnated surfaces. Applied Physics Letters, 2017, 110, .	1.5	42
49	Topological liquid diode. Science Advances, 2017, 3, eaao3530.	4.7	249
50	Drag reduction properties of superhydrophobic mesh pipes. Surface Topography: Metrology and Properties, 2017, 5, 034001.	0.9	26
51	Energy Invariance in Capillary Systems. Physical Review Letters, 2017, 118, 218003.	2.9	18
52	ZnO thin film based flexible temperature sensor. , 2017, , .		3
53	Drop impact behaviour on alternately hydrophobic and hydrophilic layered bead packs. Chemical Engineering Research and Design, 2016, 110, 200-208.	2.7	11
54	Leidenfrost transition temperature for stainless steel meshes. Materials Letters, 2016, 176, 205-208.	1.3	29

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55	Near Axisymmetric Partial Wetting Using Interface-Localized Liquid Dielectrophoresis. Langmuir, 2016, 32, 10844-10850.	1.6	14
56	Low Friction Droplet Transportation on a Substrate with a Selective Leidenfrost Effect. ACS Applied Materials & Interfaces, 2016, 8, 22658-22663.	4.0	25
57	Not spreading in reverse: The dewetting of a liquid film into a single drop. Science Advances, 2016, 2, e1600183.	4.7	52
58	Capillary Penetration into Inclined Circular Glass Tubes. Langmuir, 2016, 32, 1289-1298.	1.6	10
59	Flexible conformable hydrophobized surfaces for turbulent flow drag reduction. Scientific Reports, 2015, 5, 10267.	1.6	41
60	Liquid marbles: topical context within soft matter and recent progress. Soft Matter, 2015, 11, 2530-2546.	1.2	204
61	Dielectrophoresis-Driven Spreading of Immersed Liquid Droplets. Langmuir, 2015, 31, 1011-1016.	1.6	29
62	A sublimation heat engine. Nature Communications, 2015, 6, 6390.	5.8	73
63	Elastic instabilities induced large surface strain sensing structures (EILS). , 2015, , .		0
64	Evaporation of Sessile Droplets on Slippery Liquid-Infused Porous Surfaces (SLIPS). Langmuir, 2015, 31, 11781-11789.	1.6	97
65	Plastron Respiration Using Commercial Fabrics. Materials, 2014, 7, 484-495.	1.3	7
66	Investigation of the drag reducing effect of hydrophobized sand on cylinders. Journal Physics D: Applied Physics, 2014, 47, 205302.	1.3	20
67	Lithographically fabricated SU8 composite structures for wettability control. Surface and Coatings Technology, 2014, 240, 179-183.	2.2	5
68	Wetting considerations in capillary rise and imbibition in closed square tubes and open rectangular cross-section channels. Microfluidics and Nanofluidics, 2013, 15, 309-326.	1.0	88
69	Change in drag, apparent slip and optimum air layer thickness for laminar flow over an idealised superhydrophobic surface. Journal of Fluid Mechanics, 2013, 727, 488-508.	1.4	85
70	Transitions of waterâ€drop impact behaviour on hydrophobic and hydrophilic particles. European Journal of Soil Science, 2013, 64, 324-333.	1.8	27
71	Voltage-induced spreading and superspreading of liquids. Nature Communications, 2013, 4, 1605.	5.8	88
72	Simulations of laminar flow past a superhydrophobic sphere with drag reduction and separation delay. Physics of Fluids, 2013, 25, .	1.6	52

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73	Manipulated wettability of a superhydrophobic quartz crystal microbalance through electrowetting. Journal Physics D: Applied Physics, 2013, 46, 345307.	1.3	33
74	Capillary origami and superhydrophobic membrane surfaces. Applied Physics Letters, 2013, 102, .	1.5	18
75	Effects of hydrophobicity on splash erosion of model soil particles by a single water drop impact. Earth Surface Processes and Landforms, 2013, 38, 1225-1233.	1.2	58
76	Embroidered Coils for Magnetic Resonance Sensors. Electronics (Switzerland), 2013, 2, 168-177.	1.8	8
77	Developing interface localized liquid dielectrophoresis for optical applications. Proceedings of SPIE, 2012, , .	0.8	12
78	The Self Assembly of Superhydrophobic Copper Thiolate Films on Copper in Thiol Solutions. Zeitschrift Fur Physikalische Chemie, 2012, 226, 187-200.	1.4	6
79	Hydrophobic Smart Material for Water Transport and Collection. , 2012, , 49-55.		3
80	Wet Adhesion and Adhesive Locomotion of Snails on Anti-Adhesive Non-Wetting Surfaces. PLoS ONE, 2012, 7, e36983.	1.1	28
81	Determination of the Physical Properties of Room Temperature Ionic Liquids Using a Love Wave Device. Analytical Chemistry, 2011, 83, 6717-6721.	3.2	7
82	Effect of Particle Size on Droplet Infiltration into Hydrophobic Porous Media As a Model of Water Repellent Soil. Environmental Science & Technology, 2011, 45, 9666-9670.	4.6	26
83	Plastron induced drag reduction and increased slip on a superhydrophobic sphere. Soft Matter, 2011, 7, 10100.	1.2	57
84	Liquid marbles: principles and applications. Soft Matter, 2011, 7, 5473.	1.2	293
85	Analysis of clogging in constructed wetlands using magnetic resonance. Analyst, The, 2011, 136, 2283.	1.7	16
86	Capillary origami: superhydrophobic ribbon surfaces and liquid marbles. Beilstein Journal of Nanotechnology, 2011, 2, 145-151.	1.5	19
87	Analysis of a static undulation on the surface of a thin dielectric liquid layer formed by dielectrophoresis forces. Journal of Applied Physics, 2011, 110, 024107.	1.1	19
88	Passive water control at the surface of a superhydrophobic lichen. Planta, 2011, 234, 1267-1274.	1.6	34
89	Thermal conductivity measurement of liquids in a microfluidic device. Microfluidics and Nanofluidics, 2011, 10, 123-132.	1.0	8
90	The superhydrophobicity of polymer surfaces: Recent developments. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1203-1217.	2.4	151

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91	Dielectrowetting Driven Spreading of Droplets. Physical Review Letters, 2011, 107, 186101.	2.9	118
92	An introduction to superhydrophobicity. Advances in Colloid and Interface Science, 2010, 161, 124-138.	7.0	530
93	Low-Cost QCM Sensor System for Screening Semen Samples. Journal of Sensors, 2010, 2010, 1-5.	0.6	5
94	Amplitude scaling of a static wrinkle at an oil-air interface created by dielectrophoresis forces. Applied Physics Letters, 2010, 97, .	1.5	28
95	Small volume laboratory on a chip measurements incorporating the quartz crystal microbalance to measure the viscosity-density product of room temperature ionic liquids. Biomicrofluidics, 2010, 4, 14107.	1.2	19
96	Immersed superhydrophobic surfaces: Gas exchange, slip and drag reduction properties. Soft Matter, 2010, 6, 714-719.	1.2	250
97	Towards MRI microarrays. Chemical Communications, 2010, 46, 2420.	2.2	5
98	Dynamic wetting and spreading and the role of topography. Journal of Physics Condensed Matter, 2009, 21, 464122.	0.7	48
99	Separate density and viscosity determination of room temperature ionic liquids using dual Quartz Crystal Microbalances. , 2009, , .		6
100	Layer guided surface acoustic wave sensors using langasite substrates. , 2009, , .		1
101	Superhydrophobic surfaces: a model approach to predict contact angle and surface energy of soil particles. European Journal of Soil Science, 2009, 60, 420-430.	1.8	57
102	Development of a combined surface plasmon resonance/surface acoustic wave device for the characterization of biomolecules. Measurement Science and Technology, 2009, 20, 124011.	1.4	22
103	Learning from Superhydrophobic Plants: The Use of Hydrophilic Areas on Superhydrophobic Surfaces for Droplet Controlâ€Part of the â€œLangmuir 25th Year: Wetting and superhydrophobicityâ€•special issue.. Langmuir, 2009, 25, 14121-14128.	1.6	82
104	Superhydrophobic Copper Tubes with Possible Flow Enhancement and Drag Reduction. ACS Applied Materials & Interfaces, 2009, 1, 1316-1323.	4.0	204
105	Density and viscosity measurements of room temperature ionic liquids using patterned Quartz Crystal Microbalances. , 2009, , .		1
106	Levitation-Free Vibrated Droplets: Resonant Oscillations of Liquid Marbles. Langmuir, 2009, 25, 529-533.	1.6	105
107	Terminal velocity and drag reduction measurements on superhydrophobic spheres. Applied Physics Letters, 2009, 94, .	1.5	127
108	All Solids, Including Teflon, Are Hydrophilic (To Some Extent), But Some Have Roughness Induced Hydrophobic Tendencies. Langmuir, 2009, 25, 7185-7187.	1.6	31

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109	Evaluation of a Microfluidic Device for the Electrochemical Determination of Halide Content in Ionic Liquids. Analytical Chemistry, 2009, 81, 1628-1637.	3.2	27
110	Voltage-programmable liquid optical interface. Nature Photonics, 2009, 3, 403-405.	15.6	92
111	Quantitative NMR monitoring of liquid ingress into repellent heterogeneous layered fabrics. Journal of Magnetic Resonance, 2008, 193, 32-36.	1.2	21
112	Robust spatially resolved pressure measurements using MRI with novel buoyant advection-free preparations of stable microbubbles in polysaccharide gels. Journal of Magnetic Resonance, 2008, 193, 159-167.	1.2	18
113	Nano-scale superhydrophobicity: suppression of protein adsorption and promotion of flow-induced detachment. Lab on A Chip, 2008, 8, 582.	3.1	179
114	Densityâ^'Viscosity Product of Small-Volume Ionic Liquid Samples Using Quartz Crystal Impedance Analysis. Analytical Chemistry, 2008, 80, 5806-5811.	3.2	115
115	Small volume determination of the viscosity-density product for ionic liquids using quartz crystal harmonics. , 2008, , .		0
116	Love wave sensors: Sectional guiding layers. , 2008, , .		2
117	Sensor response of superhydrophobic quartz crystal resonators. , 2008, , .		4
118	ST Quartz Acoustic Wave Sensors with Sectional Guiding Layers. Sensors, 2008, 8, 4384-4391.	2.1	7
119	ST Quartz Acoustic Wave Sensors with Sectional Guiding Layers. Sensors, 2008, 8, 4384-4391.	2.1	9
120	Response of quartz crystal resonators possessing a superhydrophobic surface. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	1
121	Self-organization of hydrophobic soil and granular surfaces. Applied Physics Letters, 2007, 90, 054110.	1.5	55
122	Cassie and Wenzel:â€‰ Were They Really So Wrong?. Langmuir, 2007, 23, 8200-8205.	1.6	314
123	Surface free energy and microarray deposition technology. Analyst, The, 2007, 132, 192.	1.7	33
124	Electrowetting of liquid marbles. Journal Physics D: Applied Physics, 2007, 40, 20-24.	1.3	105
125	Assessing sperm motility using acoustic plate mode devices. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	2
126	Decoupling of the Liquid Response of a Superhydrophobic Quartz Crystal Microbalance. Langmuir, 2007, 23, 9823-9830.	1.6	45

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127	Electrowetting of Nonwetting Liquids and Liquid Marbles. Langmuir, 2007, 23, 918-924.	1.6	101
128	SU-8 Guiding Layer for Love Wave Devices. Sensors, 2007, 7, 2539-2547.	2.1	13
129	Implications of ideas on superâ€hydrophobicity for water repellent soil. Hydrological Processes, 2007, 21, 2229-2238.	1.1	29
130	Liquids shape up nicely. Nature Materials, 2007, 6, 627-628.	13.3	8
131	Superhydrophobic to superhydrophilic transitions of solâ€"gel films for temperature, alcohol or surfactant measurement. Materials Chemistry and Physics, 2007, 103, 112-117.	2.0	53
132	SU-8 Guiding Layer for Love Wave Devices. Sensors, 2007, 7, 2539-2547.	2.1	9
133	Plastron properties of a superhydrophobic surface. Applied Physics Letters, 2006, 89, 104106.	1.5	153
134	Layer guided-acoustic plate mode biosensors for monitoring MHCâ€"peptide interactions. Analyst, The, 2006, 131, 892-894.	1.7	4
135	A lichen protected by a super-hydrophobic and breathable structure. Journal of Plant Physiology, 2006, 163, 1193-1197.	1.6	61
136	Electrowetting on superhydrophobic SU-8 patterned surfaces. Sensors and Actuators A: Physical, 2006, 130-131, 189-193.	2.0	92
137	Lithium tantalate layer guided plate mode sensors. Sensors and Actuators A: Physical, 2006, 132, 241-244.	2.0	5
138	Critical conditions for the wetting of soils. Applied Physics Letters, 2006, 89, 094101.	1.5	59
139	The effect of SU-8 patterned surfaces on the response of the quartz crystal microbalance. Sensors and Actuators A: Physical, 2005, 123-124, 73-76.	2.0	6
140	Wetting and Wetting Transitions on Copper-Based Super-Hydrophobic Surfaces. Langmuir, 2005, 21, 937-943.	1.6	279
141	Water-repellent soil and its relationship to granularity, surface roughness and hydrophobicity: a materials science view. European Journal of Soil Science, 2005, 56, 445-452.	1.8	88
142	A SAW oscillator for monitoring particulate matter in air. Nondestructive Testing and Evaluation, 2005, 20, 231-235.	1.1	1
143	An EP-SAW for measurements of particulate matter in ambient air. Nondestructive Testing and Evaluation, 2005, 20, 3-7.	1.1	3
144	Analysis of Droplet Evaporation on a Superhydrophobic Surface. Langmuir, 2005, 21, 11053-11060.	1.6	361

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145	Porous materials show superhydrophobic to superhydrophilic switching. Chemical Communications, 2005, , 3135.	2.2	174
146	Surface roughness and interfacial slip boundary condition for quartz crystal microbalances. Journal of Applied Physics, 2004, 95, 373-380.	1.1	81
147	Contact-Angle Hysteresis on Super-Hydrophobic Surfaces. Langmuir, 2004, 20, 10146-10149.	1.6	329
148	Pulse mode shear horizontal-surface acoustic wave (SH-SAW) system for liquid based sensing applications. Biosensors and Bioelectronics, 2004, 19, 627-632.	5.3	61
149	Dual-Scale Roughness Produces Unusually Water-Repellent Surfaces. Advanced Materials, 2004, 16, 1929-1932.	11.1	488
150	Experimental study of Love wave devices with thick guiding layers. Sensors and Actuators A: Physical, 2004, 109, 180-185.	2.0	20
151	Experimental Study of Love Wave Sensor Response by Phase and Group Velocity Measurement. IEEE Sensors Journal, 2004, 4, 216-220.	2.4	2
152	Application of the Quartz Crystal Microbalance to the Evaporation of Colloidal Suspension Droplets. Langmuir, 2004, 20, 841-847.	1.6	35
153	The use of high aspect ratio photoresist (SU-8) for super-hydrophobic pattern prototyping. Journal of Micromechanics and Microengineering, 2004, 14, 1384-1389.	1.5	161
154	Topography Driven Spreading. Physical Review Letters, 2004, 93, 036102.	2.9	221
155	Super-hydrophobic and super-wetting surfaces: Analytical potential?. Analyst, The, 2004, 129, 284.	1.7	155
156	Enantioselective detection of l-serine. Sensors and Actuators B: Chemical, 2003, 89, 103-106.	4.0	23
157	Detection of Polycyclic Aromatic Hydrocarbons Using Quartz Crystal Microbalances. Analytical Chemistry, 2003, 75, 1573-1577.	3.2	47
158	Generalized concept of shear horizontal acoustic plate mode and Love wave sensors. Measurement Science and Technology, 2003, 14, 1847-1853.	1.4	31
159	Intrinsically Superhydrophobic Organosilica Solâ˘'Gel Foams. Langmuir, 2003, 19, 5626-5631.	1.6	410
160	Layer-guided shear acoustic plate mode sensor. Applied Physics Letters, 2003, 82, 2181-2183.	1.5	3
161	Theoretical mass, liquid, and polymer sensitivity of acoustic wave sensors with viscoelastic guiding layers. Journal of Applied Physics, 2003, 93, 675-690.	1.1	46
162	Contact angle-based predictive model for slip at the solidâ€"liquid interface of a transverse-shear mode acoustic wave device. Journal of Applied Physics, 2003, 94, 6201-6207.	1.1	33

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163	Mass sensitivity of acoustic wave devices from group and phase velocity measurements. Journal of Applied Physics, 2002, 92, 3368-3373.	1.1	23
164	Generalized Love waves. Europhysics Letters, 2002, 58, 818-822.	0.7	14
165	Analysis of evaporating thick liquid films on solids. Journal of Adhesion Science and Technology, 2002, 16, 1869-1881.	1.4	7
166	Layer guided shear horizontally polarized acoustic plate modes. Journal of Applied Physics, 2002, 91, 5735-5744.	1.1	21
167	Theoretical mass sensitivity of Love wave and layer guided acoustic plate mode sensors. Journal of Applied Physics, 2002, 91, 9701.	1.1	58
168	Molecular imprinted polymer coated QCM for the detection of nandrolone. Analyst, The, 2002, 127, 1024-1026.	1.7	73
169	Investigation of Deposition of Monodisperse Particles onto Fibers. Langmuir, 2002, 18, 4979-4983.	1.6	6
170	Frenkel's method and the dynamic wetting of heterogeneous planar surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 193-201.	2.3	32
171	Global geometry and the equilibrium shapes of liquid drops on fibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 79-86.	2.3	133
172	Acoustic determination of polymer molecular weights and rotation times. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1490-1495.	2.4	7
173	Drop Evaporation on Solid Surfaces:Â Constant Contact Angle Mode. Langmuir, 2002, 18, 2636-2641.	1.6	320
174	Molecular-Imprinted, Polymer-Coated Quartz Crystal Microbalances for the Detection of Terpenes. Analytical Chemistry, 2001, 73, 4225-4228.	3.2	124
175	Pulse mode operation of Love wave devices for biosensing applications. Analyst, The, 2001, 126, 2107-2109.	1.7	5
176	The Shape and Stability of Small Liquid Drops on Fibers. Oil and Gas Science and Technology, 2001, 56, 47-54.	1.4	91
177	Analysis of Shape Distortions in Sessile Drops. Langmuir, 2001, 17, 6995-6998.	1.6	26
178	Harmonic Love wave devices for biosensing applications. Electronics Letters, 2001, 37, 340.	0.5	11
179	Resonant conditions for Love wave guiding layer thickness. Applied Physics Letters, 2001, 79, 3542-3543.	1.5	34
180	Compressional acoustic wave generation in microdroplets of water in contact with quartz crystal resonators. Journal of Applied Physics, 2001, 89, 676-680.	1.1	43

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181	The effect of NO2 doping on the gas sensing properties of copper phthalocyanine thin film devices. Thin Solid Films, 2000, 360, 10-12.	0.8	25
182	NO2 detection at room temperature with copper phthalocyanine thin film devices. Sensors and Actuators B: Chemical, 2000, 67, 307-311.	4.0	92
183	Acoustic waveâ€"liquid interactions. Materials Science and Engineering C, 2000, 12, 17-22.	3.8	27
184	Influence of viscoelasticity and interfacial slip on acoustic wave sensors. Journal of Applied Physics, 2000, 88, 7304-7312.	1.1	97
185	Evaporation of Microdroplets of Azeotropic Liquids. Journal of Physical Chemistry B, 2000, 104, 8217-8220.	1.2	50
186	Surface acoustic wave resonances in the spreading of viscous fluids. Physical Review B, 1999, 59, 8262-8270.	1.1	25
187	Estimation of contact angles on fibers. Journal of Adhesion Science and Technology, 1999, 13, 1457-1469.	1.4	22
188	Surface acoustic waveâ€"liquid drop interactions. Sensors and Actuators A: Physical, 1999, 76, 89-92.	2.0	12
189	Analysis of evaporating droplets using ellipsoidal cap geometry. Journal of Adhesion Science and Technology, 1999, 13, 1375-1391.	1.4	42
190	Determination of the Receding Contact Angle of Sessile Drops on Polymer Surfaces by Evaporation. Langmuir, 1999, 15, 7378-7385.	1.6	179
191	An acoustic technique for the monitoring of dynamic wetting behavior. Journal of Adhesion Science and Technology, 1999, 13, 1471-1480.	1.4	1
192	Evaporation and the Wetting of a Low-Energy Solid Surface. Journal of Physical Chemistry B, 1998, 102, 1964-1967.	1.2	174
193	Surface acoustic wave device design for gas sensing applications. Electronics Letters, 1998, 34, 1706.	0.5	5
194	Reflection of surface acoustic waves by localized wetting liquids. Applied Physics Letters, 1997, 71, 3785-3786.	1.5	6
195	Electrical properties of nickel phthalocyanine (NiPc) sandwich devices incorporating a tetracyanoquinodimethane (TCNQ) layer. Semiconductor Science and Technology, 1997, 12, 455-459.	1.0	16
196	Evaporation of Microdroplets of Three Alcohols. Journal of Physical Chemistry B, 1997, 101, 1265-1267.	1.2	39
197	Interaction of surface acoustic waves with viscous liquids. Faraday Discussions, 1997, 107, 15-26.	1.6	10
198	Wetting of a High-Energy Fiber Surface. Journal of Colloid and Interface Science, 1997, 186, 453-461.	5.0	73

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