Michael I Newton

List of Publications by Year
in descending order

203 papers	11,531 citations	36303 51 h-index	29157 104 g-index
204 all docs	204 docs citations	204 times ranked	10134 citing authors

#	Article	IF	Citations
1	Dielectrowetting on curved surfaces. Applied Physics Letters, 2022, 120, 191601.	3.3	0
2	Bubble Control, Levitation, and Manipulation Using Dielectrophoresis. Advanced Materials Interfaces, 2021, 8, 2001204.	3.7	10
3	Controlling the breakup of toroidal liquid films on solid surfaces. Scientific Reports, 2021, 11, 8120.	3.3	6
4	Lattice Boltzmann Simulations of Multiphase Dielectric Fluids. Langmuir, 2021, 37, 7328-7340.	3.5	3
5	Editorial on Special Issue â€œApplications of Low Field Magnetic Resonanceâ€• Applied Sciences (Switzerland), 2021, 11, 8471.	2.5	0
6	Planar selective Leidenfrost propulsion without physically structured substrates or walls. Applied Physics Letters, 2020, 117, .	3.3	8
7	Advanced Sandwich Composite Cores for Patient Support in Advanced Clinical Imaging and Oncology Treatment. Materials, 2020, 13, 3549.	2.9	2
8	Operational Amplifiers Revisited for Low Field Magnetic Resonance Relaxation Time Measurement Electronics. Proceedings (mdpi), 2020, 42, 1.	0.2	1
9	Electrostatic control of dewetting dynamics. Applied Physics Letters, 2020, 116, .	3.3	8
10	NMR CAPIBarA: Proof of Principle of a Low-Field Unilateral Magnetic Resonance System for Monitoring of the Placenta during Pregnancy. Applied Sciences (Switzerland), 2020, 10, 162.	2.5	2
11	A viscous switch for liquid-liquid dewetting. Communications Physics, 2020, 3, .	5.3	10
12	Woven Natural Fibre Reinforced Composite Materials for Medical Imaging. Materials, 2020, 13, 1684.	2.9	11
13	Beyond the Langevin horn: Transducer arrays for the acoustic levitation of liquid drops. Physics of Fluids, 2019, 31, .	4.0	35
14	Non-Contact Universal Sample Presentation for Room Temperature Macromolecular Crystallography Using Acoustic Levitation. Scientific Reports, 2019, 9, 12431.	3.3	17
15	Double-sided slippery liquid-infused porous materials using conformable mesh. Scientific Reports, 2019, 9, 13280.	3.3	22
16	A natural fibre reinforced composite material for multi-modal medical imaging and radiotherapy treatment. Materials Letters, 2019, 252, 289-292.	2.6	9
17	Low-Friction Self-Centering Droplet Propulsion and Transport Using a Leidenfrost Herringbone-Ratchet Structure. Physical Review Applied, 2019, 11, .	3.8	15
18	An evaluation of kefir grain size with magnetic resonance imaging to observe the fermentation of milk. Magnetic Resonance in Chemistry, 2019, 57, 730-737.	1.9	1

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19	A preliminary study of milk powder hydration using TEDSpiL continuous wave NMR. Magnetic Resonance in Chemistry, 2019, 57, 695-699.	1.9	0
20	Dielectrowetting: The past, present and future. Current Opinion in Colloid and Interface Science, 2018, 36, 28-36.	7.4	48
21	Bioinspired nanoparticle spray-coating for superhydrophobic flexible materials with oil/water separation capabilities. Bioinspiration and Biomimetics, 2018, 13, 024001.	2.9	30
22	Extensive Vibrational Characterisation and Long-Term Monitoring of Honeybee Dorso-Ventral Abdominal Vibration signals. Scientific Reports, 2018, 8, 14571.	3.3	12
23	Honey Bee Vibration Monitoring Using the 805M1 Accelerometer. Proceedings (mdpi), 2018, 4, .	0.2	2
24	A Microcontroller System for the Automation of Transient Effect Determination of the Spin-Lattice Relaxation Time Using Continuous Wave NMR. Proceedings (mdpi), 2018, 4, .	0.2	1
25	A magnetic resonance disruption (MaRDi) technique for the detection of surface immobilised magnetic nanoparticles. Analytical Methods, 2017, 9, 1681-1683.	2.7	1
26	Transient effect determination of spinâ€“lattice (TEDSpiL) relaxation times using continuous wave NMR. Magnetic Resonance in Chemistry, 2017, 55, 853-855.	1.9	3
27	Electric field induced reversible spreading of droplets into films on lubricant impregnated surfaces. Applied Physics Letters, 2017, 110, .	3.3	42
28	An acoustic on-chip goniometer for room temperature macromolecular crystallography. Lab on A Chip, 2017, 17, 4225-4230.	6.0	1
29	Drag reduction properties of superhydrophobic mesh pipes. Surface Topography: Metrology and Properties, 2017, 5, 034001.	1.6	26
30	Advances in Electronics Prompt a Fresh Look at Continuous Wave (CW) Nuclear Magnetic Resonance (NMR). Electronics (Switzerland), 2017, 6, 89.	3.1	6
31	Long-term trends in the honeybee â€˜whooping signalâ€™ revealed by automated detection. PLoS ONE, 2017, 12, e0171162.	2.5	17
32	Novel Food-Safe Spin-Lattice Relaxation Time Calibration Samples for Use in Magnetic Resonance Sensor Development. Proceedings (mdpi), 2017, 2, .	0.2	1
33	Drop impact behaviour on alternately hydrophobic and hydrophilic layered bead packs. Chemical Engineering Research and Design, 2016, 110, 200-208.	5.6	11
34	Intermittent aeration to improve wastewater treatment efficiency in pilot-scale constructed wetland. Science of the Total Environment, 2016, 559, 212-217.	8.0	85
35	Leidenfrost transition temperature for stainless steel meshes. Materials Letters, 2016, 176, 205-208.	2.6	29
36	Near Axisymmetric Partial Wetting Using Interface-Localized Liquid Dielectrophoresis. Langmuir, 2016, 32, 10844-10850.	3.5	14

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37	Low Friction Droplet Transportation on a Substrate with a Selective Leidenfrost Effect. ACS Applied Materials & Interfaces, 2016, 8, 22658-22663.	8.0	25
38	Not spreading in reverse: The dewetting of a liquid film into a single drop. Science Advances, 2016, 2, e1600183.	10.3	52
39	Capillary Penetration into Inclined Circular Glass Tubes. Langmuir, 2016, 32, 1289-1298.	3.5	10
40	Temperature dependence of magnetic resonance probes for use as embedded sensors in constructed wetlands. Sensors and Actuators A: Physical, 2016, 241, 19-26.	4.1	5
41	Clogging Measurement, Dissolved Oxygen and Temperature Control in a Wetland Through the Development of an Autonomous Reed Bed Installation (ARBI). , 2016, , 165-177.		0
42	Flexible conformable hydrophobized surfaces for turbulent flow drag reduction. Scientific Reports, 2015, 5, 10267.	3.3	41
43	Honeybee Colony Vibrational Measurements to Highlight the Brood Cycle. PLoS ONE, 2015, 10, e0141926.	2.5	17
44	Liquid marbles: topical context within soft matter and recent progress. Soft Matter, 2015, 11, 2530-2546.	2.7	204
45	Assessing the economic suitability of aeration and the influence of bed heating on constructed wetlands treatment efficiency and life-span. Ecological Engineering, 2015, 83, 184-190.	3.6	23
46	Magnetic Resonance Sensors. Sensors, 2014, 14, 21722-21725.	3.8	2
47	Plastron Respiration Using Commercial Fabrics. Materials, 2014, 7, 484-495.	2.9	7
48	Detection of Virgin Olive Oil Adulteration Using Low Field Unilateral NMR. Sensors, 2014, 14, 2028-2035.	3.8	55
49	Monitoring accelerated clogging of a model horizontal sub-surface flow constructed wetland using magnetic resonance transverse relaxation times. International Journal of Environmental Science and Technology, 2014, 11, 1189-1196.	3.5	3
50	Investigation of the drag reducing effect of hydrophobized sand on cylinders. Journal Physics D: Applied Physics, 2014, 47, 205302.	2.8	20
51	Lithographically fabricated SU8 composite structures for wettability control. Surface and Coatings Technology, 2014, 240, 179-183.	4.8	5
52	Wetting considerations in capillary rise and imbibition in closed square tubes and open rectangular cross-section channels. Microfluidics and Nanofluidics, 2013, 15, 309-326.	2.2	88
53	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.	3.4	85
54	Transitions of waterâ€drop impact behaviour on hydrophobic and hydrophilic particles. European Journal of Soil Science, 2013, 64, 324-333.	3.9	27

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55	MRI measurements of dynamic clogging in porous systems using sterilised sludge. Microporous and Mesoporous Materials, 2013, 178, 48-52.	4.4	7
56	Manipulated wettability of a superhydrophobic quartz crystal microbalance through electrowetting. Journal Physics D: Applied Physics, 2013, 46, 345307.	2.8	33
57	Capillary origami and superhydrophobic membrane surfaces. Applied Physics Letters, 2013, 102, .	3.3	18
58	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.	2.5	58
59	Embroidered Coils for Magnetic Resonance Sensors. Electronics (Switzerland), 2013, 2, 168-177.	3.1	8
60	Magnetic Resonance Imaging: A Tool for Pork Pie Development. Foods, 2013, 2, 393-400.	4.3	4
61	Developing interface localized liquid dielectrophoresis for optical applications. Proceedings of SPIE, 2012, , .	0.8	12
62	The Self Assembly of Superhydrophobic Copper Thiolate Films on Copper in Thiol Solutions. Zeitschrift Fur Physikalische Chemie, 2012, 226, 187-200.	2.8	6
63	Hydrophobic Smart Material for Water Transport and Collection. , 2012, , 49-55.		3
64	Wet Adhesion and Adhesive Locomotion of Snails on Anti-Adhesive Non-Wetting Surfaces. PLoS ONE, 2012, 7, e36983.	2.5	28
65	Determination of the Physical Properties of Room Temperature Ionic Liquids Using a Love Wave Device. Analytical Chemistry, 2011, 83, 6717-6721.	6.5	7
66	Evaluation of coated QCM for the detection of atmospheric ozone. Analyst, The, 2011, 136, 2963.	3.5	8
67	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.	10.0	26
68	Plastron induced drag reduction and increased slip on a superhydrophobic sphere. Soft Matter, 2011, 7, 10100.	2.7	57
69	Liquid marbles: principles and applications. Soft Matter, 2011, 7, 5473.	2.7	293
70	Analysis of clogging in constructed wetlands using magnetic resonance. Analyst, The, 2011, 136, 2283.	3.5	16
71	Capillary origami: superhydrophobic ribbon surfaces and liquid marbles. Beilstein Journal of Nanotechnology, 2011, 2, 145-151.	2.8	19
72	Passive water control at the surface of a superhydrophobic lichen. Planta, 2011, 234, 1267-1274.	3.2	34

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73	Thermal conductivity measurement of liquids in a microfluidic device. Microfluidics and Nanofluidics, 2011, 10, 123-132.	2.2	8
74	The superhydrophobicity of polymer surfaces: Recent developments. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1203-1217.	2.1	151
75	Dielectrowetting Driven Spreading of Droplets. Physical Review Letters, 2011, 107, 186101.	7.8	118
76	An introduction to superhydrophobicity. Advances in Colloid and Interface Science, 2010, 161, 124-138.	14.7	530
77	Low-Cost QCM Sensor System for Screening Semen Samples. Journal of Sensors, 2010, 2010, 1-5.	1.1	5
78	Amplitude scaling of a static wrinkle at an oil-air interface created by dielectrophoresis forces. Applied Physics Letters, 2010, 97, .	3.3	28
79	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.	2.4	19
80	Immersed superhydrophobic surfaces: Gas exchange, slip and drag reduction properties. Soft Matter, 2010, 6, 714-719.	2.7	250
81	Towards MRI microarrays. Chemical Communications, 2010, 46, 2420.	4.1	5
82	Dynamic wetting and spreading and the role of topography. Journal of Physics Condensed Matter, 2009, 21, 464122.	1.8	48
83	Long term monitoring of constructed wetlands using an NMR sensor. , 2009, , .		1
84	Separate density and viscosity determination of room temperature ionic liquids using dual Quartz Crystal Microbalances. , 2009, , .		6
85	Layer guided surface acoustic wave sensors using langasite substrates. , 2009, , .		1
86	Development of a combined surface plasmon resonance/surface acoustic wave device for the characterization of biomolecules. Measurement Science and Technology, 2009, 20, 124011.	2.6	22
87	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.	3.5	82
88	Superhydrophobic Copper Tubes with Possible Flow Enhancement and Drag Reduction. ACS Applied Materials & Interfaces, 2009, 1, 1316-1323.	8.0	204
89	Density and viscosity measurements of room temperature ionic liquids using patterned Quartz Crystal Microbalances. , 2009, , .		1
90	Levitation-Free Vibrated Droplets: Resonant Oscillations of Liquid Marbles. Langmuir, 2009, 25, 529-533.	3.5	105

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91	Terminal velocity and drag reduction measurements on superhydrophobic spheres. Applied Physics Letters, 2009, 94, .	3.3	127
92	Evaluation of a Microfluidic Device for the Electrochemical Determination of Halide Content in Ionic Liquids. Analytical Chemistry, 2009, 81, 1628-1637.	6.5	27
93	Voltage-programmable liquid optical interface. Nature Photonics, 2009, 3, 403-405.	31.4	92
94	Progess in superhydrophobic surface development. Soft Matter, 2008, 4, 224-240.	2.7	1,447
95	Nano-scale superhydrophobicity: suppression of protein adsorption and promotion of flow-induced detachment. Lab on A Chip, 2008, 8, 582.	6.0	179
96	Densityâ^'Viscosity Product of Small-Volume Ionic Liquid Samples Using Quartz Crystal Impedance Analysis. Analytical Chemistry, 2008, 80, 5806-5811.	6.5	115
97	Small volume determination of the viscosity-density product for ionic liquids using quartz crystal harmonics. , 2008, , .		0
98	Love wave sensors: Sectional guiding layers. , 2008, , .		2
99	Sensor response of superhydrophobic quartz crystal resonators. , 2008, , .		4
100	ST Quartz Acoustic Wave Sensors with Sectional Guiding Layers. Sensors, 2008, 8, 4384-4391.	3.8	7
101	ST Quartz Acoustic Wave Sensors with Sectional Guiding Layers. Sensors, 2008, 8, 4384-4391.	3.8	9
102	Response of quartz crystal resonators possessing a superhydrophobic surface. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	1
103	Semen quality detection using time of flight and acoustic wave sensors. Applied Physics Letters, 2007, 90, 154103.	3.3	3
104	Self-organization of hydrophobic soil and granular surfaces. Applied Physics Letters, 2007, 90, 054110.	3.3	55
105	Electrowetting of liquid marbles. Journal Physics D: Applied Physics, 2007, 40, 20-24.	2.8	105
106	Assessing sperm motility using acoustic plate mode devices. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	2
107	Decoupling of the Liquid Response of a Superhydrophobic Quartz Crystal Microbalance. Langmuir, 2007, 23, 9823-9830.	3.5	45
108	Electrowetting of Nonwetting Liquids and Liquid Marbles. Langmuir, 2007, 23, 918-924.	3.5	101

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109	SU-8 Guiding Layer for Love Wave Devices. Sensors, 2007, 7, 2539-2547.	3.8	13
110	Implications of ideas on superâ€hydrophobicity for water repellent soil. Hydrological Processes, 2007, 21, 2229-2238.	2.6	29
111	Superhydrophobic to superhydrophilic transitions of solâ€"gel films for temperature, alcohol or surfactant measurement. Materials Chemistry and Physics, 2007, 103, 112-117.	4.0	53
112	SU-8 Guiding Layer for Love Wave Devices. Sensors, 2007, 7, 2539-2547.	3.8	9
113	Plastron properties of a superhydrophobic surface. Applied Physics Letters, 2006, 89, 104106.	3.3	153
114	Layer guided-acoustic plate mode biosensors for monitoring MHCâ€"peptide interactions. Analyst, The, 2006, 131, 892-894.	3.5	4
115	A lichen protected by a super-hydrophobic and breathable structure. Journal of Plant Physiology, 2006, 163, 1193-1197.	3.5	61
116	Electrowetting on superhydrophobic SU-8 patterned surfaces. Sensors and Actuators A: Physical, 2006, 130-131, 189-193.	4.1	92
117	Lithium tantalate layer guided plate mode sensors. Sensors and Actuators A: Physical, 2006, 132, 241-244.	4.1	5
118	Critical conditions for the wetting of soils. Applied Physics Letters, 2006, 89, 094101.	3.3	59
119	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.	4.1	6
120	Wetting and Wetting Transitions on Copper-Based Super-Hydrophobic Surfaces. Langmuir, 2005, 21, 937-943.	3.5	279
121	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.	3.9	88
122	A SAW oscillator for monitoring particulate matter in air. Nondestructive Testing and Evaluation, 2005, 20, 231-235.	2.1	1
123	An EP-SAW for measurements of particulate matter in ambient air. Nondestructive Testing and Evaluation, 2005, 20, 3-7.	2.1	3
124	Analysis of Droplet Evaporation on a Superhydrophobic Surface. Langmuir, 2005, 21, 11053-11060.	3.5	361
125	Porous materials show superhydrophobic to superhydrophilic switching. Chemical Communications, 2005, , 3135.	4.1	174
126	Surface roughness and interfacial slip boundary condition for quartz crystal microbalances. Journal of Applied Physics, 2004, 95, 373-380.	2.5	81

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127	Contact-Angle Hysteresis on Super-Hydrophobic Surfaces. Langmuir, 2004, 20, 10146-10149.	3.5	329
128	Pulse mode shear horizontal-surface acoustic wave (SH-SAW) system for liquid based sensing applications. Biosensors and Bioelectronics, 2004, 19, 627-632.	10.1	61
129	Dual-Scale Roughness Produces Unusually Water-Repellent Surfaces. Advanced Materials, 2004, 16, 1929-1932.	21.0	488
130	Experimental study of Love wave devices with thick guiding layers. Sensors and Actuators A: Physical, 2004, 109, 180-185.	4.1	20
131	Experimental Study of Love Wave Sensor Response by Phase and Group Velocity Measurement. IEEE Sensors Journal, 2004, 4, 216-220.	4.7	2
132	Application of the Quartz Crystal Microbalance to the Evaporation of Colloidal Suspension Droplets. Langmuir, 2004, 20, 841-847.	3.5	35
133	The use of high aspect ratio photoresist (SU-8) for super-hydrophobic pattern prototyping. Journal of Micromechanics and Microengineering, 2004, 14, 1384-1389.	2.6	161
134	Topography Driven Spreading. Physical Review Letters, 2004, 93, 036102.	7.8	221
135	Super-hydrophobic and super-wetting surfaces: Analytical potential?. Analyst, The, 2004, 129, 284.	3.5	155
136	Enantioselective detection of l-serine. Sensors and Actuators B: Chemical, 2003, 89, 103-106.	7.8	23
137	Detection of Polycyclic Aromatic Hydrocarbons Using Quartz Crystal Microbalances. Analytical Chemistry, 2003, 75, 1573-1577.	6.5	47
138	Intrinsically Superhydrophobic Organosilica Solâ˘'Gel Foams. Langmuir, 2003, 19, 5626-5631.	3.5	410
139	Layer-guided shear acoustic plate mode sensor. Applied Physics Letters, 2003, 82, 2181-2183.	3.3	3
140	Theoretical mass, liquid, and polymer sensitivity of acoustic wave sensors with viscoelastic guiding layers. Journal of Applied Physics, 2003, 93, 675-690.	2.5	46
141	Mass sensitivity of acoustic wave devices from group and phase velocity measurements. Journal of Applied Physics, 2002, 92, 3368-3373.	2.5	23
142	Generalized Love waves. Europhysics Letters, 2002, 58, 818-822.	2.0	14
143	Analysis of evaporating thick liquid films on solids. Journal of Adhesion Science and Technology, 2002, 16, 1869-1881.	2.6	7
144	Layer guided shear horizontally polarized acoustic plate modes. Journal of Applied Physics, 2002, 91, 5735-5744.	2.5	21

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145	Theoretical mass sensitivity of Love wave and layer guided acoustic plate mode sensors. Journal of Applied Physics, 2002, 91, 9701.	2.5	58
146	Molecular imprinted polymer coated QCM for the detection of nandrolone. Analyst, The, 2002, 127, 1024-1026.	3.5	73
147	Investigation of Deposition of Monodisperse Particles onto Fibers. Langmuir, 2002, 18, 4979-4983.	3.5	6
148	Frenkel's method and the dynamic wetting of heterogeneous planar surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 193-201.	4.7	32
149	Global geometry and the equilibrium shapes of liquid drops on fibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 79-86.	4.7	133
150	Acoustic determination of polymer molecular weights and rotation times. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1490-1495.	2.1	7
151	Drop Evaporation on Solid Surfaces:Â Constant Contact Angle Mode. Langmuir, 2002, 18, 2636-2641.	3.5	320
152	Molecular-Imprinted, Polymer-Coated Quartz Crystal Microbalances for the Detection of Terpenes. Analytical Chemistry, 2001, 73, 4225-4228.	6.5	124
153	Pulse mode operation of Love wave devices for biosensing applications. Analyst, The, 2001, 126, 2107-2109.	3.5	5
154	The Shape and Stability of Small Liquid Drops on Fibers. Oil and Gas Science and Technology, 2001, 56, 47-54.	1.4	91
155	Analysis of Shape Distortions in Sessile Drops. Langmuir, 2001, 17, 6995-6998.	3.5	26
156	Harmonic Love wave devices for biosensing applications. Electronics Letters, 2001, 37, 340.	1.0	11
157	Resonant conditions for Love wave guiding layer thickness. Applied Physics Letters, 2001, 79, 3542-3543.	3.3	34
158	Compressional acoustic wave generation in microdroplets of water in contact with quartz crystal resonators. Journal of Applied Physics, 2001, 89, 676-680.	2.5	43
159	The effect of NO2 doping on the gas sensing properties of copper phthalocyanine thin film devices. Thin Solid Films, 2000, 360, 10-12.	1.8	25
160	NO2 detection at room temperature with copper phthalocyanine thin film devices. Sensors and Actuators B: Chemical, 2000, 67, 307-311.	7.8	92
161	Acoustic waveâ€“liquid interactions. Materials Science and Engineering C, 2000, 12, 17-22.	7.3	27
162	Influence of viscoelasticity and interfacial slip on acoustic wave sensors. Journal of Applied Physics, 2000, 88, 7304-7312.	2.5	97

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163	Evaporation of Microdroplets of Azeotropic Liquids. Journal of Physical Chemistry B, 2000, 104, 8217-8220.	2.6	50
164	Surface acoustic wave resonances in the spreading of viscous fluids. Physical Review B, 1999, 59, 8262-8270.	3.2	25
165	Estimation of contact angles on fibers. Journal of Adhesion Science and Technology, 1999, 13, 1457-1469.	2.6	22
166	Surface acoustic waveâ€“liquid drop interactions. Sensors and Actuators A: Physical, 1999, 76, 89-92.	4.1	12
167	Analysis of evaporating droplets using ellipsoidal cap geometry. Journal of Adhesion Science and Technology, 1999, 13, 1375-1391.	2.6	42
168	Determination of the Receding Contact Angle of Sessile Drops on Polymer Surfaces by Evaporation. Langmuir, 1999, 15, 7378-7385.	3.5	179
169	An acoustic technique for the monitoring of dynamic wetting behavior. Journal of Adhesion Science and Technology, 1999, 13, 1471-1480.	2.6	1
170	Evaporation and the Wetting of a Low-Energy Solid Surface. Journal of Physical Chemistry B, 1998, 102, 1964-1967.	2.6	174
171	Surface acoustic wave device design for gas sensing applications. Electronics Letters, 1998, 34, 1706.	1.0	5
172	Reflection of surface acoustic waves by localized wetting liquids. Applied Physics Letters, 1997, 71, 3785-3786.	3.3	6
173	Electrical properties of nickel phthalocyanine (NiPc) sandwich devices incorporating a tetracyanoquinodimethane (TCNQ) layer. Semiconductor Science and Technology, 1997, 12, 455-459.	2.0	16
174	Evaporation of Microdroplets of Three Alcohols. Journal of Physical Chemistry B, 1997, 101, 1265-1267.	2.6	39
175	Interaction of surface acoustic waves with viscous liquids. Faraday Discussions, 1997, 107, 15-26.	3.2	10
176	Wetting of a High-Energy Fiber Surface. Journal of Colloid and Interface Science, 1997, 186, 453-461.	9.4	73
177	Nickel phthalocyanine photovoltaic devices. Optical Materials, 1996, 6, 89-92.	3.6	27
178	Negative differential resistance in MIM devices from vacuum to atmospheric pressure. International Journal of Electronics, 1996, 81, 435-439.	1.4	1
179	Gold-ChloroIndium Phthalocyanine (ClInPc)-metal sandwich structures. International Journal of Electronics, 1996, 81, 371-376.	1.4	4
180	Gold-chloroindium phthalocyanine (ClInPc)-metal sandwich structures. , 1996, 2780, 289.		0

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181	Negative differential resistance in MIM devices from vacuum to atmospheric pressure. , 1996, 2780, 38.		0
182	The influence of nitrogen on the electrical conductivity of planar metal-insulator-metal structures. Journal of Materials Science Letters, 1995, 14, 830-831.	0.5	0
183	Electrical properties of thin gold films on (3-Mercaptopropyl)trimethoxysilane (MPS) treated glass substrates. Vacuum, 1995, 46, 315-318.	3.5	6
184	Influence of film resistance on negative differential resistance characteristics in electroformed thin-film devices. International Journal of Electronics, 1995, 78, 501-508.	1.4	0
185	A surface acoustic wave technique for the observation of dynamic wetting. Journal Physics D: Applied Physics, 1995, 28, 1930-1936.	2.8	4
186	Evaporation of Microdroplets and the Wetting of Solid Surfaces. The Journal of Physical Chemistry, 1995, 99, 13268-13271.	2.9	255
187	The spreading of small viscous stripes of oil. Journal Physics D: Applied Physics, 1995, 28, 1925-1929.	2.8	30
188	Negative differential resistance in thin metal films with a cadmium arachidate overlayer. International Journal of Electronics, 1994, 76, 771-775.	1.4	1
189	Thin film metal-insulator-metal structure with a Langmuir-Blodgett overlayer. Vacuum, 1994, 45, 897-900.	3.5	3
190	Frenkel's method and the spreading of small spherical droplets. Journal Physics D: Applied Physics, 1994, 27, 2619-2623.	2.8	21
191	Electroluminescence and electron emission in planar MIM structures. International Journal of Electronics, 1994, 76, 717-721.	1.4	2
192	Electroformed thin gold films on regularly corrugated substrates. Vacuum, 1993, 44, 1001-1003.	3.5	1
193	Underlying conduction in electroformed gold and silver films. Journal of Materials Science Letters, 1993, 12, 125-127.	0.5	6
194	Residual conductance at atmospheric pressure in electroformed thin gold films. Journal of Materials Science Letters, 1992, 11, 1240-1242.	0.5	9
195	Acoustic phonon scattering by a 2-dimensional electron gas. Physica B: Condensed Matter, 1990, 165-166, 873-874.	2.7	1
196	Magnetic field dependence of the phonon scattering and phonon emission by a 2DEG in a Si MOSFET. Surface Science, 1988, 196, 410-416.	1.9	25
197	Detection of Heat Pulses by the Two-Dimensional Electron Gas in a Silicon Device. Physical Review Letters, 1988, 61, 180-182.	7.8	20
198	Detection of 9.4 GHz ultrasonic waves using a thin-film CdS bolometer. Journal Physics D: Applied Physics, 1988, 21, 1572-1575.	2.8	1

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199	Quantum Oscillations in the Phonon Scattering by a 2-DEG of a Si-MOSFET. Japanese Journal of Applied Physics, 1987, 26, 1755.	1.5	5
200	The Effect of a Magnetic Field on the Phonon Emission from a Hot 2-DEG in the Inversion Layer of a Silicon MOSFET. Japanese Journal of Applied Physics, 1987, 26, 1757.	1.5	6
201	Theoretical model of Rayleigh wave interaction with stripes of viscous liquids. , 0, , .		0
202	Layer guided shear horizontal acoustic plate mode sensors. , 0, , .		0
203	Superhydrophobicity: Localized Parameters And Gradient Surfaces. , 0, , 217-234.		0