

# Leslie Y Yeo

## List of Publications by Year in descending order

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244  
papers

11,127  
citations

31902

53  
h-index

37111

96  
g-index

251  
all docs

251  
docs citations

251  
times ranked

9054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluidâ€“substrate interactions. , 2022, , 37-58.		0
2	Shortâ€“Duration High Frequency MegaHertzâ€“Order Nanomechanostimulation Drives Early and Persistent Osteogenic Differentiation in Mesenchymal Stem Cells. Small, 2022, 18, e2106823.	5.2	12
3	Acoustotemplating: rapid synthesis of freestanding quasi-2D MOF/graphene oxide heterostructures for supercapacitor applications. Journal of Materials Chemistry A, 2022, 10, 7058-7072.	5.2	24
4	Shortâ€“Duration High Frequency MegaHertzâ€“Order Nanomechanostimulation Drives Early and Persistent Osteogenic Differentiation in Mesenchymal Stem Cells (Small 8/2022). Small, 2022, 18, .	5.2	0
5	Nanoscale plasma-activated aerosol generation for in situ surface pathogen disinfection. Microsystems and Nanoengineering, 2022, 8, 41.	3.4	10
6	Nebulization of siRNA for inhalation therapy based on a microfluidic surface acoustic wave platform. Ultrasonics Sonochemistry, 2022, 88, 106088.	3.8	9
7	High Frequency Sonoprocessing: A New Field of Cavitationâ€“Free Acoustic Materials Synthesis, Processing, and Manipulation. Advanced Science, 2021, 8, 2001983.	5.6	37
8	Coalescence of Droplets in a Microwell Driven by Surface Acoustic Waves. Langmuir, 2021, 37, 1578-1587.	1.6	17
9	Optimising Aerosol Delivery for Maxillary Sinus Deposition in a Post-FESS Sinonasal Cavities. Aerosol and Air Quality Research, 2021, 21, 210098.	0.9	3
10	Programmable Phototaxis of Metalâ€“Phenolic Particle Microswimmers. Advanced Materials, 2021, 33, e2006177.	11.1	16
11	Ultrafast, One-Step, Salt-Solution-Based Acoustic Synthesis of Ti <sub>3</sub> C <sub>2</sub> MXene. ACS Nano, 2021, 15, 4287-4293.	7.3	103
12	Acoustofection: High-Frequency Vibrational Membrane Permeabilization for Intracellular siRNA Delivery into Nonadherent Cells. ACS Applied Bio Materials, 2021, 4, 2781-2789.	2.3	23
13	Nanofiltration Using Graphene-Epoxy Filter Media Actuated by Surface Acoustic Waves. Physical Review Applied, 2021, 15, .	1.5	5
14	Acoustic cavitation at low gas pressures in PZT-based ultrasonic systems. Ultrasonics Sonochemistry, 2021, 73, 105493.	3.8	9
15	Acoustomicrofluidic Synthesis of Pristine Ultrathin Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene Nanosheets and Quantum Dots. ACS Nano, 2021, 15, 12099-12108.	7.3	46
16	Actuation mechanisms for microfluidic biomedical devices. , 2021, , 125-162.		1
17	Subwavelength confinement of propagating surface acoustic waves. Applied Physics Letters, 2021, 118, .	1.5	5
18	Editorial: Innovative In Vitro Models for Pulmonary Physiology and Drug Delivery in Health and Disease. Frontiers in Bioengineering and Biotechnology, 2021, 9, 788682.	2.0	1

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19	Acoustic enhancement of aerobic greywater treatment processes. <i>Journal of Water Process Engineering</i> , 2021, 44, 102321.	2.6	6
20	Acoustomicrofluidic Concentration and Signal Enhancement of Fluorescent Nanodiamond Sensors. <i>Analytical Chemistry</i> , 2021, 93, 16133-16141.	3.2	12
21	Enhanced Antimicrobial Activity and Low Phytotoxicity of Acoustically Synthesized Large Aspect Ratio Cu-BTC Metal-Organic Frameworks with Exposed Metal Sites. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58309-58318.	4.0	11
22	Fast three-dimensional micropatterning of PC12 cells in rapidly crosslinked hydrogel scaffolds using ultrasonic standing waves. <i>Biofabrication</i> , 2020, 12, 015013.	3.7	15
23	Enhancing greywater treatment via MHz-Order surface acoustic waves. <i>Water Research</i> , 2020, 169, 115187.	5.3	7
24	On-Chip Generation of Vortical Flows for Microfluidic Centrifugation. <i>Small</i> , 2020, 16, e1903605.	5.2	30
25	Engineering of Nebulized Metal-Phenolic Capsules for Controlled Pulmonary Deposition. <i>Advanced Science</i> , 2020, 7, 1902650.	5.6	46
26	Pulmonary Deposition of Radionucleotide-Labeled Palivizumab: Proof-of-Concept Study. <i>Frontiers in Pharmacology</i> , 2020, 11, 1291.	1.6	8
27	High frequency acoustic cell stimulation promotes exosome generation regulated by a calcium-dependent mechanism. <i>Communications Biology</i> , 2020, 3, 553.	2.0	65
28	Submicron Particle and Cell Concentration in a Closed Chamber Surface Acoustic Wave Microcentrifuge. <i>Analytical Chemistry</i> , 2020, 92, 10024-10032.	3.2	37
29	Free Radical Generation from High-Frequency Electromechanical Dissociation of Pure Water. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4655-4661.	2.1	23
30	Cassie-Wenzel wetting transition on nanostructured superhydrophobic surfaces induced by surface acoustic waves. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	27
31	In vivo deposition study of a new generation nebuliser utilising hybrid resonant acoustic (HYDRA) technology. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119196.	2.6	9
32	<i>In situ</i> generation of plasma-activated aerosols <i>via</i> surface acoustic wave nebulization for portable spray-based surface bacterial inactivation. <i>Lab on A Chip</i> , 2020, 20, 1856-1868.	3.1	21
33	High frequency acoustic nebulization for pulmonary delivery of antibiotic alternatives against <i>Staphylococcus aureus</i> . <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 181-188.	2.0	18
34	Ultrafast assembly of swordlike Cu <sub>3</sub> (1,3,5-benzenetricarboxylate) <sub>n</sub> metal-organic framework crystals with exposed active metal sites. <i>Nanoscale Horizons</i> , 2020, 5, 1050-1057.	4.1	16
35	10.1063/1.5145282.1. , 2020, , .		0
36	Lamb to Rayleigh Wave Conversion on Superstrates as a Means to Facilitate Disposable Acoustomicrofluidic Applications. <i>Analytical Chemistry</i> , 2019, 91, 12358-12368.	3.2	20

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37	Acoustically Driven Micromixing: Effect of Transducer Geometry. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1387-1394.	1.7	11
38	Rapid dry exfoliation method for tuneable production of molybdenum disulphide quantum dots and large micron-dimension sheets. Nanoscale, 2019, 11, 11626-11633.	2.8	5
39	Acoustomicrofluidic assembly of oriented and simultaneously activated metal-organic frameworks. Nature Communications, 2019, 10, 2282.	5.8	33
40	Aggregation of a dense suspension of particles in a microwell using surface acoustic wave microcentrifugation. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	24
41	Miniaturised acoustofluidic tactile haptic actuator. Soft Matter, 2019, 15, 4146-4152.	1.2	8
42	Tear Film Extensional Viscosity Is a Novel Potential Biomarker of Dry Eye Disease. Ophthalmology, 2019, 126, 1196-1198.	2.5	13
43	Oscillation characteristics of low Weber number impinging micro-droplets. Theoretical and Computational Fluid Dynamics, 2019, 33, 197-213.	0.9	8
44	Enhancing rate of water absorption in seeds via a miniature surface acoustic wave device. Royal Society Open Science, 2019, 6, 181560.	1.1	8
45	Acoustopipetting: Tunable Nanoliter Sample Dispensing Using Surface Acoustic Waves. Analytical Chemistry, 2019, 91, 5621-5628.	3.2	17
46	Hybrid Surface and Bulk Resonant Acoustics for Concurrent Actuation and Sensing on a Single Microfluidic Device. Analytical Chemistry, 2018, 90, 5335-5342.	3.2	9
47	Crystallization: A Novel Acoustomicrofluidic Nebulization Technique Yielding New Crystallization Morphologies (Adv. Mater. 3/2018). Advanced Materials, 2018, 30, 1870018.	11.1	0
48	Plug-and-actuate on demand: multimodal individual addressability of microarray plates using modular hybrid acoustic wave technology. Lab on A Chip, 2018, 18, 406-411.	3.1	22
49	A Novel Acoustomicrofluidic Nebulization Technique Yielding New Crystallization Morphologies. Advanced Materials, 2018, 30, 1602040.	11.1	15
50	Microfluidic dielectrophoretic cell manipulation towards stable cell contact assemblies. Biomedical Microdevices, 2018, 20, 95.	1.4	10
51	High frequency acoustic permeabilisation of drugs through tissue for localised mucosal delivery. Lab on A Chip, 2018, 18, 3272-3284.	3.1	17
52	Continuous tuneable droplet ejection via pulsed surface acoustic wave jetting. Soft Matter, 2018, 14, 5721-5727.	1.2	52
53	Increasing Exfoliation Yield in the Synthesis of MoS <sub>2</sub> Quantum Dots for Optoelectronic and Other Applications through a Continuous Multicycle Acoustomicrofluidic Approach. ACS Applied Nano Materials, 2018, 1, 2503-2508.	2.4	19
54	Hydrophobic-Force-Driven Removal of Organic Compounds from Water by Reduced Graphene Oxides Generated in Agarose Hydrogels. Angewandte Chemie - International Edition, 2018, 57, 11177-11181.	7.2	49

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55	Acoustically-mediated intracellular delivery. <i>Nanoscale</i> , 2018, 10, 13165-13178.	2.8	59
56	Hydrophobic-Force-Driven Removal of Organic Compounds from Water by Reduced Graphene Oxides Generated in Agarose Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 11347-11351.	1.6	8
57	Liquid Phase Acoustic Wave Exfoliation of Layered MoS <sub>2</sub> : Critical Impact of Electric Field in Efficiency. <i>Chemistry of Materials</i> , 2018, 30, 5593-5601.	3.2	31
58	Ultrafast Acoustofluidic Exfoliation of Stratified Crystals. <i>Advanced Materials</i> , 2018, 30, e1704756.	11.1	32
59	Hybrid finite-difference/lattice Boltzmann simulations of microchannel and nanochannel acoustic streaming driven by surface acoustic waves. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	10
60	Acoustically-mediated microfluidic nanofiltration through graphene films. <i>Nanoscale</i> , 2017, 9, 6497-6508.	2.8	16
61	Dissolution dynamics of a suspension droplet in a binary solution for controlled nanoparticle assembly. <i>Nanoscale</i> , 2017, 9, 13441-13448.	2.8	10
62	Diatrack particle tracking software: Review of applications and performance evaluation. <i>Traffic</i> , 2017, 18, 840-852.	1.3	42
63	Universal nanodroplet branches from confining the Ouzo effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10332-10337.	3.3	48
64	CFD simulation of aerosol delivery to a human lung via surface acoustic wave nebulization. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 2035-2050.	1.4	50
65	A Facile and Flexible Method for On-Demand Directional Speed Tunability in the Miniaturised Lab-on-a-Disc. <i>Scientific Reports</i> , 2017, 7, 6652.	1.6	10
66	Continuous Production of Janus and Composite Liquid Marbles with Tunable Coverage. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17751-17756.	4.0	22
67	Acoustically enhanced heat transport. <i>Review of Scientific Instruments</i> , 2016, 87, 014902.	0.6	12
68	Stability and efficacy of synthetic cationic antimicrobial peptides nebulized using high frequency acoustic waves. <i>Biomicrofluidics</i> , 2016, 10, 034115.	1.2	24
69	Amplitude modulation schemes for enhancing acoustically-driven microcentrifugation and micromixing. <i>Biomicrofluidics</i> , 2016, 10, 054106.	1.2	26
70	Microfluidics: HYbriD Resonant Acoustics (HYDRA) (Adv. Mater. 10/2016). <i>Advanced Materials</i> , 2016, 28, 2088-2088.	11.1	1
71	Graphene-mediated microfluidic transport and nebulization via high frequency Rayleigh wave substrate excitation. <i>Lab on A Chip</i> , 2016, 16, 3503-3514.	3.1	20
72	Nanoscale pillar hypersonic surface phononic crystals. <i>Physical Review B</i> , 2016, 94, .	1.1	43

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73	Acoustically-driven thread-based tuneable gradient generators. Lab on A Chip, 2016, 16, 2820-2828.	3.1	28
74	Rapid Enhancement of Cellular Spheroid Assembly by Acoustically Driven Microcentrifugation. ACS Biomaterials Science and Engineering, 2016, 2, 1013-1022.	2.6	58
75	HYbrid Resonant Acoustics (HYDRA). Advanced Materials, 2016, 28, 1970-1975.	11.1	63
76	Phonon-polariton entrapment in homogenous surface phonon cavities. Annalen Der Physik, 2016, 528, 365-372.	0.9	7
77	Acoustically-Driven Trion and Exciton Modulation in Piezoelectric Two-Dimensional MoS <sub>2</sub> . Nano Letters, 2016, 16, 849-855.	4.5	91
78	Assessment of the potential of a high frequency acoustomicrofluidic nebulisation platform for inhaled stem cell therapy. Integrative Biology (United Kingdom), 2016, 8, 12-20.	0.6	37
79	Enhanced Ion Current Rectification in 2D Graphene-Based Nanofluidic Devices. Advanced Science, 2015, 2, 1500062.	5.6	28
80	Dynamics of liquid films exposed to high-frequency surface vibration. Physical Review E, 2015, 91, 053015.	0.8	41
81	Highly Ordered Arrays of Femtoliter Surface Droplets. Small, 2015, 11, 4850-4855.	5.2	64
82	Planar microfluidic drop splitting and merging. Lab on A Chip, 2015, 15, 1942-1951.	3.1	54
83	Mixed mode of dissolving immersed nanodroplets at a solid-water interface. Soft Matter, 2015, 11, 1889-1900.	1.2	65
84	Acoustic-Excitonic Coupling for Dynamic Photoluminescence Manipulation of Quasi-2D MoS <sub>2</sub> Nanoflakes. Advanced Optical Materials, 2015, 3, 888-894.	3.6	39
85	Pulmonary monoclonal antibody delivery via a portable microfluidic nebulization platform. Biomicrofluidics, 2015, 9, 052603.	1.2	63
86	Motility induced changes in viscosity of suspensions of swimming microbes in extensional flows. Soft Matter, 2015, 11, 4658-4668.	1.2	26
87	Extensional viscosity of copper nanowire suspensions in an aqueous polymer solution. Soft Matter, 2015, 11, 8076-8082.	1.2	12
88	Emerging Technologies for Next-Generation Point-of-Care Testing. Trends in Biotechnology, 2015, 33, 692-705.	4.9	583
89	Vibration-Induced Deagglomeration and Shear-Induced Alignment of Carbon Nanotubes in Air. Advanced Functional Materials, 2015, 25, 1014-1023.	7.8	30
90	Microscale anechoic architecture: acoustic diffusers for ultra low power microparticle separation via traveling surface acoustic waves. Lab on A Chip, 2015, 15, 43-46.	3.1	41

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91	Nozzleless spray cooling using surface acoustic waves. <i>Journal of Aerosol Science</i> , 2015, 79, 48-60.	1.8	39
92	Monolithic Phononic Crystals with a Surface Acoustic Band Gap from Surface Phonon-Polariton Coupling. <i>Physical Review Letters</i> , 2014, 113, 215503.	2.9	41
93	Double flow reversal in thin liquid films driven by megahertz-order surface vibration. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20130765.	1.0	35
94	Hydroxypropyl Cellulose Methacrylate as a Photo-Patternable and Biodegradable Hybrid Paper Substrate for Cell Culture and Other Bioapplications. <i>Advanced Healthcare Materials</i> , 2014, 3, 543-554.	3.9	25
95	Self-assembled highly crystalline TiO <sub>2</sub> mesostructures for sunlight-driven, pH-responsive photodegradation of dyes. <i>Materials Research Bulletin</i> , 2014, 55, 13-18.	2.7	15
96	Controlled morphogenesis and self-assembly of bismutite nanocrystals into three-dimensional nanostructures and their applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2275-2282.	5.2	14
97	In Situ Generation of Tunable Porosity Gradients in Hydrogel-Based Scaffolds for Microfluidic Cell Culture. <i>Advanced Healthcare Materials</i> , 2014, 3, 1655-1670.	3.9	21
98	Surface Acoustic Wave Microfluidics. <i>Annual Review of Fluid Mechanics</i> , 2014, 46, 379-406.	10.8	456
99	Continuous flow actuation between external reservoirs in small-scale devices driven by surface acoustic waves. <i>Lab on A Chip</i> , 2014, 14, 750-758.	3.1	62
100	Toward Complete Miniaturisation of Flow Injection Analysis Systems: Microfluidic Enhancement of Chemiluminescent Detection. <i>Analytical Chemistry</i> , 2014, 86, 10812-10819.	3.2	41
101	UV/ozone-assisted low temperature preparation of mesoporous TiO <sub>2</sub> with tunable phase composition and enhanced solar light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18791-18795.	5.2	11
102	Enabling practical surface acoustic wave nebulizer drug delivery via amplitude modulation. <i>Lab on A Chip</i> , 2014, 14, 1858-1865.	3.1	57
103	Simple, low cost MHz-order acoustomicrofluidics using aluminium foil electrodes. <i>Lab on A Chip</i> , 2014, 14, 1802-1805.	3.1	35
104	RF-Activated Standing Surface Acoustic Wave for On-Chip Particle Manipulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014, 62, 1898-1904.	2.9	21
105	Frequency effects on the scale and behavior of acoustic streaming. <i>Physical Review E</i> , 2014, 89, 013203.	0.8	130
106	Poloidal Flow and Toroidal Particle Ring Formation in a Sessile Drop Driven by Megahertz Order Vibration. <i>Langmuir</i> , 2014, 30, 11243-11247.	1.6	33
107	UV Direct Write Metal Enhanced Redox (MER) Domain Engineering for Realization of Surface Acoustic Devices on Lithium Niobate. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400006.	1.9	8
108	Effective pulmonary delivery of an aerosolized plasmid DNA vaccine via surface acoustic wave nebulization. <i>Respiratory Research</i> , 2014, 15, 60.	1.4	81

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109	Graphene-Based Planar Nanofluidic Rectifiers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21856-21865.	1.5	24
110	An emerging reactor technology for chemical synthesis: Surface acoustic wave-assisted closed-vessel Suzuki coupling reactions. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1305-1309.	3.8	13
111	On-Chip Electrospray. , 2014, , 1-12.		0
112	Interfacial Electrokinetic Flow. , 2014, , 1-18.		0
113	Wetting and Spreading. , 2014, , 1-16.		0
114	Precise drop dispensation on superhydrophobic surfaces using acoustic nebulization. <i>Soft Matter</i> , 2013, 9, 3631.	1.2	18
115	Fast Surface Acoustic Wave-Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Cell Response from Islets of Langerhans. <i>Analytical Chemistry</i> , 2013, 85, 2623-2629.	3.2	16
116	Microscale Capillary Wave Turbulence Excited by High Frequency Vibration. <i>Langmuir</i> , 2013, 29, 3835-3845.	1.6	58
117	Actuation mechanisms for microfluidic biomedical devices. , 2013, , 100-138.		1
118	Surface acoustic streaming in microfluidic system for rapid multicellular tumor spheroids generation. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
119	A waveguide based microfluidic application. , 2013, , .		0
120	Editorial: Moving on in biomicrofluidics. <i>Biomicrofluidics</i> , 2013, 7, 010401.	1.2	0
121	AFM, Tapping Mode. , 2012, , 99-99.		2
122	The appearance of boundary layers and drift flows due to high-frequency surface waves. <i>Journal of Fluid Mechanics</i> , 2012, 707, 482-495.	1.4	34
123	Surface acoustic wave solid-state rotational micromotor. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	14
124	Multi-degree-of-freedom ultrasonic micromotor for guidewire and catheter navigation: The NeuroGlide actuator. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	17
125	Atomization off thin water films generated by high-frequency substrate wave vibrations. <i>Physical Review E</i> , 2012, 86, 056312.	0.8	113
126	Fluid-structure interaction in deformable microchannels. <i>Physics of Fluids</i> , 2012, 24, .	1.6	53

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127	Focused ion beam milling of microchannels in lithium niobate. <i>Biomicrofluidics</i> , 2012, 6, 012819.	1.2	13
128	UV epoxy bonding for enhanced SAW transmission and microscale acoustofluidic integration. <i>Lab on A Chip</i> , 2012, 12, 2970.	3.1	66
129	Unique fingering instabilities and soliton-like wave propagation in thin acoustowetting films. <i>Nature Communications</i> , 2012, 3, 1167.	5.8	86
130	Ab Initio DFT Simulations of Nanostructures. , 2012, , 11-17.		3
131	AFM. , 2012, , 83-83.		0
132	Uniform mixing in paper-based microfluidic systems using surface acoustic waves. <i>Lab on A Chip</i> , 2012, 12, 773-779.	3.1	153
133	AC Electroosmosis: Basics and Lab-on-a-Chip Applications. , 2012, , 25-30.		1
134	Miniaturized Lab-on-a-Disc (miniLOAD). <i>Small</i> , 2012, 8, 1881-1888.	5.2	46
135	Lab-on-a-Disc: Miniaturized Lab-on-a-Disc (miniLOAD) ( <i>Small</i> 12/2012). <i>Small</i> , 2012, 8, 1880-1880.	5.2	1
136	A miniaturized surface acoustic wave atomizer with a disposable pump-free liquid supply system for continuous atomization. , 2011, , .		5
137	Template-free Synthesis and Encapsulation Technique for Layer-by-Layer Polymer Nanocarrier Fabrication. <i>ACS Nano</i> , 2011, 5, 9583-9591.	7.3	76
138	ZnO/sapphire based layered surface acoustic wave devices for microfluidic applications. , 2011, , .		3
139	Substrate dependent drop deformation and wetting under high frequency vibration. <i>Soft Matter</i> , 2011, 7, 7976.	1.2	35
140	Arbitrary axis rotating surface acoustic wave micro motor. , 2011, , .		3
141	Extensional flow of low-viscosity fluids in capillary bridges formed by pulsed surface acoustic wave jetting. <i>New Journal of Physics</i> , 2011, 13, 023005.	1.2	34
142	Organosilane deposition for microfluidic applications. <i>Biomicrofluidics</i> , 2011, 5, 36501-365017.	1.2	84
143	Paper-Based Microfluidic Surface Acoustic Wave Sample Delivery and Ionization Source for Rapid and Sensitive Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 3260-3266.	3.2	113
144	Microscale acoustofluidics: Microfluidics driven via acoustics and ultrasonics. <i>Reviews of Modern Physics</i> , 2011, 83, 647-704.	16.4	742

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145	ADMiER-ing thin but complex fluids. , 2011, , .		0
146	On-chip surface acoustic-wave driven microfluidic motors. Proceedings of SPIE, 2011, , .	0.8	2
147	Microfluidic chip containing porous gradient for chemotaxis study. , 2011, , .		2
148	Quantification of surface acoustic wave induced chaotic mixing-flows in microfluidic wells. Sensors and Actuators B: Chemical, 2011, 160, 1565-1572.	4.0	81
149	Microfluidic Devices for Bioapplications. Small, 2011, 7, 12-48.	5.2	455
150	Rotational microfluidic motor for on-chip microcentrifugation. Applied Physics Letters, 2011, 98, .	1.5	31
151	Surface acoustic wave micromotor with arbitrary axis rotational capability. Applied Physics Letters, 2011, 99, .	1.5	10
152	Editorial: A new year and a new Associate Editor. Biomicrofluidics, 2011, 5, 010401.	1.2	0
153	Evaporative self-assembly of gold nanorings via a surface acoustic wave atomization. Proceedings of SPIE, 2011, , .	0.8	2
154	10.1063/1.3600775.1. , 2011, , .		2
155	10.1063/1.3662931.1. , 2011, , .		1
156	Particle concentration via acoustically driven microcentrifugation: microPIV flow visualization and numerical modelling studies. Microfluidics and Nanofluidics, 2010, 8, 73-84.	1.0	76
157	MicroPIV and micromixing study of corona wind induced microcentrifugation flows in a cylindrical cavity. Microfluidics and Nanofluidics, 2010, 8, 231-241.	1.0	6
158	Numerical modeling of electro-conjugate fluid flows. Sensors and Actuators A: Physical, 2010, 161, 152-157.	2.0	23
159	Viscoelastic flow in a two-dimensional collapsible channel. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1204-1218.	1.0	15
160	A brief review of actuation at the micro-scale using electrostatics, electromagnetics and piezoelectric ultrasonics. Acoustical Science and Technology, 2010, 31, 115-123.	0.3	69
161	Capillary wave motion excited by high frequency surface acoustic waves. Physics of Fluids, 2010, 22, .	1.6	66
162	Using laser Doppler vibrometry to measure capillary surface waves on fluid-fluid interfaces. Biomicrofluidics, 2010, 4, .	1.2	10

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163	Modelling and testing of a piezoelectric ultrasonic micro-motor suitable for in vivo micro-robotic applications. Journal of Micromechanics and Microengineering, 2010, 20, 115018.	1.5	18
164	Unique flow transitions and particle collection switching phenomena in a microchannel induced by surface acoustic waves. Applied Physics Letters, 2010, 97, 234106.	1.5	23
165	Preface to Special Topic: Papers from the 13th International Conference on Surface and Colloid Science (ICSCS) and the 83rd ACS Colloid and Surface Science Symposium, Columbia University, New York, 2009. Biomicrofluidics, 2010, 4, 013101.	1.2	0
166	A study on axial and torsional resonant mode matching for a mechanical system with complex nonlinear geometries. Review of Scientific Instruments, 2010, 81, 063901.	0.6	3
167	Ultrasonic nebulization platforms for pulmonary drug delivery. Expert Opinion on Drug Delivery, 2010, 7, 663-679.	2.4	106
168	Fast Inertial Microfluidic Actuation and Manipulation Using Surface Acoustic Waves. , 2010, , .		0
169	Fabrication of microfluidic devices using polydimethylsiloxane. Biomicrofluidics, 2010, 4, .	1.2	308
170	The extraction of liquid, protein molecules and yeast cells from paper through surface acoustic wave atomization. Lab on A Chip, 2010, 10, 470-476.	3.1	87
171	A piezoelectric ultrasonic linear micromotor using a slotted stator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1868-1874.	1.7	42
172	Exploitation of surface acoustic waves to drive size-dependent microparticle concentration within a droplet. Lab on A Chip, 2010, 10, 2979.	3.1	110
173	Rapid microscale in-gel processing and digestion of proteins using surface acoustic waves. Lab on A Chip, 2010, 10, 1518.	3.1	24
174	10.1063/1.3259624.1. , 2010, , .		1
175	Advances in Microfluidics and Nanofluidics. Applied Rheology, 2009, 19, 175-176.	3.5	0
176	Editorial: A note from the new Co-Editor. Biomicrofluidics, 2009, 3, 020902.	1.2	0
177	Interfacial Jetting Phenomena Induced by Focused Surface Vibrations. Physical Review Letters, 2009, 103, 024501.	2.9	173
178	Micromotor of Less Than 1 mm <sup>3</sup> Volume for In Vivo Medical Procedures. , 2009, , .		8
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