Adrian Neild

List of Publications by Year
in descending order

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190	6,378	76196	88477
papers	citations	40 h-index	70 g-index

194	194	194	5631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Manipulation and Patterning of Micro-objects Using Acoustic Waves. , 2022, , 61-90.		3
2	The role of channel height and actuation method on particle manipulation in surface acoustic wave (SAW)-driven microfluidic devices. Microfluidics and Nanofluidics, 2022, 26, 1.	1.0	14
3	Highâ€Frequency Ultrasound Boosts Bull and Human Sperm Motility. Advanced Science, 2022, 9, e2104362.	5.6	13
4	Bacteriophages evolve enhanced persistence to a mucosal surface. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
5	Multiple outcome particle manipulation using cascaded surface acoustic waves (CSAW). Microfluidics and Nanofluidics, 2021, 25, 1.	1.0	9
6	Three-dimensional imaging on a chip using optofluidics light-sheet fluorescence microscopy. Lab on A Chip, 2021, 21, 2945-2954.	3.1	24
7	Increasing the fine particle fraction of pressurised metered dose inhaler solutions with novel actuator shapes. International Journal of Pharmaceutics, 2021, 597, 120341.	2.6	6
8	Bacteriophage uptake by mammalian cell layers represents a potential sink that may impact phage therapy. IScience, 2021, 24, 102287.	1.9	68
9	Role of Multiple-Contact Miscibility in Drainage from a Two-Dimensional Porous Medium. Physical Review Applied, 2021, 15, .	1.5	1
10	Curvature in the reproductive tract alters spermâ€“surface interactions. Nature Communications, 2021, 12, 3446.	5.8	26
11	Dual-aperture hologram receiver for visible light communications. Optics Communications, 2021, 490, 126943.	1.0	2
12	Microvalves for integrated selective droplet generation, splitting and merging on a chip. Microfluidics and Nanofluidics, 2021, 25, 1.	1.0	5
13	Microfluidic enhancement of self-assembly systems. Lab on A Chip, 2021, 21, 1661-1675.	3.1	4
14	Colloidal deposit of an evaporating sessile droplet on a non-uniformly heated substrate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 124009.	2.3	29
15	On-demand sample injection: combining acoustic actuation with a tear-drop shaped nozzle to generate droplets with precise spatial and temporal control. Lab on A Chip, 2020, 20, 253-265.	3.1	11
16	Ultrafast star-shaped acoustic micromixer for high throughput nanoparticle synthesis. Lab on A Chip, 2020, 20, 582-591.	3.1	55
17	High DNA integrity sperm selection using surface acoustic waves. Lab on A Chip, 2020, 20, 4262-4272.	3.1	32
18	Exosome trapping and enrichment using a sound wave activated nano-sieve (SWANS). Lab on A Chip, 2020, 20, 3633-3643.	3.1	29

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19	Pore-scale multiple-contact miscibility measurements in a microfluidic chip. Lab on A Chip, 2020, 20, 3582-3590.	3.1	6
20	The emerging role of microfluidics in multi-material 3D bioprinting. Lab on A Chip, 2020, 20, 2044-2056.	3.1	59
21	Communication Aspects of Visible Light Positioning (VLP) Systems Using a Quadrature Angular Diversity Aperture (QADA) Receiver. Sensors, 2020, 20, 1977.	2.1	6
22	Diffraction-based acoustic manipulation in microchannels enables continuous particle and bacteria focusing. Lab on A Chip, 2020, 20, 2674-2688.	3.1	38
23	Capacitive Sensing for Monitoring of Microfluidic Protocols Using Nanoliter Dispensing and Acoustic Mixing. Analytical Chemistry, 2020, 92, 10725-10732.	3.2	6
24	Microfluidic Valves for Selective on-Chip Droplet Splitting at Multiple Sites. Langmuir, 2020, 36, 1138-1146.	1.6	13
25	Tracheal branching in ants is area-decreasing, violating a central assumption of network transport models. PLoS Computational Biology, 2020, 16, e1007853.	1.5	10
26	Paper-Based Acoustofluidics for Separating Particles and Cells. Analytical Chemistry, 2020, 92, 8569-8578.	3.2	13
27	Title is missing!. , 2020, 16, e1007853.		0
28	Title is missing!. , 2020, 16, e1007853.		0
29	Title is missing!. , 2020, 16, e1007853.		0
30	Title is missing!. , 2020, 16, e1007853.		0
31	Title is missing!. , 2020, 16, e1007853.		0
32	Title is missing!. , 2020, 16, e1007853.		0
33	Sound wave activated nano-sieve (SWANS) for enrichment of nanoparticles. Lab on A Chip, 2019, 19, 3032-3044.	3.1	32
34	Cell Adhesion, Morphology, and Metabolism Variation via Acoustic Exposure within Microfluidic Cell Handling Systems. Advanced Science, 2019, 6, 1902326.	5.6	39
35	Nanoparticle Capture Using Ultrasonic Actuation. , 2019, , .		1
36	Rapid Characterization of Multiple-Contact Miscibility: Toward a Slim-Tube on a Chip. Analytical Chemistry, 2019, 91, 13681-13687.	3.2	7

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37	Analysis of profile and morphology of colloidal deposits obtained from evaporating sessile droplets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 567, 150-160.	2.3	29
38	Versatile platform for performing protocols on a chip utilizing surface acoustic wave (SAW) driven mixing. Lab on A Chip, 2019, 19, 262-271.	3.1	25
39	Coalescence of Surfactant-Stabilized Adjacent Droplets Using Surface Acoustic Waves. Analytical Chemistry, 2019, 91, 7538-7545.	3.2	17
40	Selective droplet splitting using single layer microfluidic valves. Sensors and Actuators B: Chemical, 2019, 292, 233-240.	4.0	18
41	Tailoring surface acoustic wave atomisation for cryo-electron microscopy sample preparation. Lab on A Chip, 2019, 19, 1378-1385.	3.1	6
42	Indoor Visible Light Positioning: Overcoming the Practical Limitations of the Quadrant Angular Diversity Aperture Receiver (QADA) by Using the Two-Stage QADA-Plus Receiver. Sensors, 2019, 19, 956.	2.1	28
43	Droplet Breakup at the Entrance to a Bypass Channel in a Microfluidic System. Physical Review Applied, 2019, 11, .	1.5	9
44	Droplet-based single cell RNAseq tools: a practical guide. Lab on A Chip, 2019, 19, 1706-1727.	3.1	77
45	Luminaire Reference Points (LRP) in Visible Light Positioning using Hybrid Imaging-Photodiode (HIP) Receivers. , 2019, , .		3
46	Comparison of bulk and microfluidic methods to monitor the phase behaviour of nanoparticles during digestion of lipid-based drug formulations using in situ X-ray scattering. Soft Matter, 2019, 15, 9565-9578.	1.2	11
47	Acoustic fields and microfluidic patterning around embedded micro-structures subject to surface acoustic waves. Soft Matter, 2019, 15, 8691-8705.	1.2	29
48	Delivery of femtolitre droplets using surface acoustic wave based atomisation for cryo-EM grid preparation. Journal of Structural Biology, 2018, 203, 94-101.	1.3	37
49	Self-Aligned Acoustofluidic Particle Focusing and Patterning in Microfluidic Channels from Channel-Based Acoustic Waveguides. Physical Review Letters, 2018, 120, 074502.	2.9	65
50	QADA-PLUS: A Novel Two-Stage Receiver for Visible Light Positioning. , 2018, , .		11
51	The size dependant behaviour of particles driven by a travelling surface acoustic wave (TSAW). Lab on A Chip, 2018, 18, 3926-3938.	3.1	50
52	High angular resolution visible light positioning using a quadrant photodiode angular diversity aperture receiver (QADA). Optics Express, 2018, 26, 9230.	1.7	39
53	Acoustically enhanced microfluidic mixer to synthesize highly uniform nanodrugs without the addition of stabilizers. International Journal of Nanomedicine, 2018, Volume 13, 1353-1359.	3.3	25
54	Analysis on electrical breakdown in OFDM systems. , 2018, , .		0

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55	Continuous Focusing of Microparticles in Horizontally Actuated Rectangular Channels. Physical Review Applied, 2018, 10, .	1.5	5
56	Surface acoustic wave diffraction driven mechanisms in microfluidic systems. Lab on A Chip, 2018, 18, 2214-2224.	3.1	54
57	Droplet control technologies for microfluidic high throughput screening (Ĩ¼HTS). Lab on A Chip, 2017, 17, 2372-2394.	3.1	82
58	Detecting Subtle Vibrations Using Graphene-Based Cellular Elastomers. ACS Applied Materials & Interfaces, 2017, 9, 11345-11349.	4.0	32
59	Preparation of nanoporous graphene oxide by nanocrystal-masked etching: toward a nacre-mimetic metalâ€“organic framework molecular sieving membrane. Journal of Materials Chemistry A, 2017, 5, 16255-16262.	5.2	42
60	Surface acoustic wave enabled pipette on a chip. Lab on A Chip, 2017, 17, 438-447.	3.1	40
61	Droplet Bouncing and Breakup during Impact on a Microgrooved Surface. Langmuir, 2017, 33, 9620-9631.	1.6	54
62	Acoustic tweezing of particles using decaying opposing travelling surface acoustic waves (DOTSAW). Lab on A Chip, 2017, 17, 3489-3497.	3.1	31
63	Trapping and patterning of large particles and cells in a 1D ultrasonic standing wave. Lab on A Chip, 2017, 17, 3279-3290.	3.1	43
64	Huygens-Fresnel Acoustic Interference and the Development of Robust Time-Averaged Patterns from Traveling Surface Acoustic Waves. Physical Review Letters, 2017, 118, 154501.	2.9	48
65	Visible Light Positioning Using an Aperture and a Quadrant Photodiode. , 2017, , .		22
66	Experimental Measurement of Vibration of Liquid Droplet at Low Bond Numbers Using ESPI. Lecture Notes in Mechanical Engineering, 2017, , 1371-1379.	0.3	0
67	Particle manipulation affected by streaming flows in vertically actuated open rectangular chambers. Physics of Fluids, 2016, 28, 032001.	1.6	7
68	Acoustic tweezers via subâ€“time-of-flight regime surface acoustic waves. Science Advances, 2016, 2, e1600089.	4.7	120
69	On-chip droplet production regimes using surface acoustic waves. Lab on A Chip, 2016, 16, 1675-1683.	3.1	45
70	Shear Assisted Electrochemical Exfoliation of Graphite to Graphene. Langmuir, 2016, 32, 3552-3559.	1.6	59
71	Droplet Manipulation Using Acoustic Streaming Induced by a Vibrating Membrane. Analytical Chemistry, 2016, 88, 5696-5703.	3.2	28
72	Ultrasensitive Strain Sensor Produced by Direct Patterning of Liquid Crystals of Graphene Oxide on a Flexible Substrate. ACS Applied Materials & Interfaces, 2016, 8, 22501-22505.	4.0	52

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73	The importance of travelling wave components in standing surface acoustic wave (SSAW) systems. Lab on A Chip, 2016, 16, 3756-3766.	3.1	102
74	Motion controlled by sound. Nature, 2016, 537, 493-494.	13.7	9
75	Virtual membrane for filtration of particles using surface acoustic waves (SAW). Lab on A Chip, 2016, 16, 3515-3523.	3.1	41
76	The inside-out supercapacitor: induced charge storage in reduced graphene oxide. Physical Chemistry Chemical Physics, 2016, 18, 32185-32191.	1.3	6
77	Flow-rate-insensitive deterministic particle sorting using a combination of travelling and standing surface acoustic waves. Microfluidics and Nanofluidics, 2016, 20, 1.	1.0	33
78	Batch process particle separation using surface acoustic waves (SAW): integration of travelling and standing SAW. RSC Advances, 2016, 6, 5856-5864.	1.7	59
79	Optimisation of an acoustic resonator for particle manipulation in air. Sensors and Actuators B: Chemical, 2016, 224, 529-538.	4.0	11
80	Highly focused high-frequency travelling surface acoustic waves (SAW) for rapid single-particle sorting. Lab on A Chip, 2016, 16, 471-479.	3.1	147
81	Two-dimensional single-cell patterning with one cell per well driven by surface acoustic waves. Nature Communications, 2015, 6, 8686.	5.8	430
82	Acoustic Resonator Optimisation for Airborne Particle Manipulation. Physics Procedia, 2015, 70, 6-9.	1.2	0
83	Frequency effects on microparticle motion in horizontally actuated open rectangular chambers. Microfluidics and Nanofluidics, 2015, 19, 1209-1219.	1.0	4
84	Feedback-Controlled MEMS Force Sensor for Characterization of Microcantilevers. Journal of Microelectromechanical Systems, 2015, 24, 1092-1101.	1.7	19
85	Microfluidic plug steering using surface acoustic waves. Lab on A Chip, 2015, 15, 3030-3038.	3.1	55
86	The Poisson distribution and beyond: methods for microfluidic droplet production and single cell encapsulation. Lab on A Chip, 2015, 15, 3439-3459.	3.1	384
87	Vibrating membrane with discontinuities for rapid and efficient microfluidic mixing. Lab on A Chip, 2015, 15, 4206-4216.	3.1	68
88	Using Nano-mechanics and Surface Acoustic Wave (SAW) for Disease Monitoring and Diagnostics at a Cellular Level in Red Blood Cells. Physics Procedia, 2015, 70, 18-20.	1.2	2
89	A MEMS capacitive pH sensor for high acidic and basic solutions. , 2014, , .		5
90	Force-compensating MEMS sensor for AFM cantilever stiffness calibration. , 2014, , .		0

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91	Bubble inducing cell lysis in a sessile droplet. Applied Physics Letters, 2014, 104, 103704.	1.5	2
92	Single line particle focusing using a vibrating bubble. Applied Physics Letters, 2014, 105, .	1.5	20
93	Zero displacement microelectromechanical force sensor using feedback control. Applied Physics Letters, 2014, 104, 153502.	1.5	18
94	Continuous flow ultrasonic particle trapping in a glass capillary. Journal of Applied Physics, 2014, 115, .	1.1	25
95	Quantification and comparison of low frequency microparticle collection mechanism in an open rectangular chamber. Journal of Applied Physics, 2014, 115, 174505.	1.1	6
96	The particle valve: On-demand particle trapping, filtering, and release from a microfabricated polydimethylsiloxane membrane using surface acoustic waves. Applied Physics Letters, 2014, 105, .	1.5	44
97	Characterization of adhesive properties of red blood cells using surface acoustic wave induced flows for rapid diagnostics. Applied Physics Letters, 2014, 105, .	1.5	40
98	Microparticle Response to Two-Dimensional Streaming Flows in Rectangular Chambers Undergoing Low-Frequency Horizontal Vibrations. Physical Review Applied, 2014, 2, .	1.5	8
99	Open microdroplet diluter for concentration-gradient generation. Applied Physics Express, 2014, 7, 087201.	1.1	2
100	Separation of particles using acoustic streaming and radiation forces in an open microfluidic channel. Microfluidics and Nanofluidics, 2014, 17, 879-890.	1.0	84
101	Particle separation using virtual deterministic lateral displacement (vDLD). Lab on A Chip, 2014, 14, 1595-1603.	3.1	126
102	Microfluidic on-demand droplet merging using surface acoustic waves. Lab on A Chip, 2014, 14, 3325-3333.	3.1	129
103	Liquid Spreading Characteristics due to Substrate Modal Vibrations. , 2014, , .		1
104	A microfabricated fringing field capacitive pH sensor with an integrated readout circuit. Applied Physics Letters, 2014, 104, .	1.5	11
105	Microparticle Trapping in Streaming Flows in Open Rectangular Chambers Undergoing Low Frequency Vertical Vibrations. , 2014, , .		1
106	Surface acoustic waves for on-demand production of picoliter droplets and particle encapsulation. Lab on A Chip, 2013, 13, 3225.	3.1	141
107	The mechanics of microparticle collection in an open fluid volume undergoing low frequency horizontal vibration. Journal of Applied Physics, 2013, 114, .	1.1	13
108	Nanoscale displacement sensing using microfabricated variable-inductance planar coils. Applied Physics Letters, 2013, 103, 143501.	1.5	24

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109	Selective particle and cell clustering at airâ€“liquid interfaces within ultrasonic microfluidic systems. Microfluidics and Nanofluidics, 2013, 14, 469-477.	1.0	32
110	Ultrasonic manipulation of particles in an open fluid film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1964-1970.	1.7	5
111	Controlled particle positioning using liquid film squeeze flow. Sensors and Actuators B: Chemical, 2013, 181, 925-931.	4.0	0
112	Visible light positioning: a roadmap for international standardization. , 2013, 51, 68-73.		327
113	Position Accuracy of Time-of-Arrival Based Ranging Using Visible Light With Application in Indoor Localization Systems. Journal of Lightwave Technology, 2013, 31, 3302-3308.	2.7	228
114	Selective Liquid Droplet Transfer Using Injected Bubbles. Applied Physics Express, 2013, 6, 077301.	1.1	4
115	The role height plays in the spreading of liquid droplets over sharp edges. Applied Physics Letters, 2013, 102, .	1.5	5
116	Stability of flowing open fluidic channels. AIP Advances, 2013, 3, .	0.6	11
117	Non-contact acoustic trapping in circular cross-section glass capillaries: A numerical study. Journal of the Acoustical Society of America, 2012, 132, 2978-2987.	0.5	12
118	Oscillating microbubbles for selective particle sorting in acoustic microfluidic devices. , 2012, , .		0
119	Particle manipulation using acoustic radiation forces in micromachined devices. AIP Conference Proceedings, 2012, , .	0.3	1
120	Finite element modeling of free surface particle clustering. , 2012, , .		0
121	Particle trapping in a capillary tube. , 2012, , .		0
122	Microfluidic mixing in a Y-junction open channel. AIP Advances, 2012, 2, .	0.6	19
123	Nanoparticle manipulation within a microscale acoustofluidic droplet. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	14
124	Effect of a Rupturing Encapsulated Bubble in Inducing the Detachment of a Drop. Langmuir, 2012, 28, 17656-17665.	1.6	5
125	Particle manipulation using an ultrasonic micro-gripper. Applied Physics Letters, 2012, 101, 163504.	1.5	20
126	Low-volume filling of microplate wells using vibration. Analytical Biochemistry, 2012, 425, 10-12.	1.1	3

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127	Forced spreading behavior of droplets undergoing low frequency vibration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 393, 144-152.	2.3	12
128	Controlled particle self-assembly in an evaporating droplet. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 398, 64-68.	2.3	10
129	Selective particle trapping using an oscillating microbubble. Lab on A Chip, 2011, 11, 3710.	3.1	110
130	Droplet spreading using low frequency vibration. Applied Physics Letters, 2011, 98, .	1.5	19
131	Pendant Bubble Method for an Accurate Characterization of Superhydrophobic Surfaces. Langmuir, 2011, 27, 13978-13982.	1.6	4
132	Tailored leaky plasmon waves from a subwavelength aperture for optical particle trapping on a chip. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 602.	0.9	5
133	Adhesion force studies using a dangling optical lever with variable sensitivity. Optics Letters, 2011, 36, 175.	1.7	4
134	Selective removal of micro-particles from a floating monolayer cluster. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 390, 134-141.	2.3	0
135	A capacity for mixing in capillary wells for microplates. Analytical Biochemistry, 2011, 410, 152-154.	1.1	21
136	Sliding variability of droplets on a hydrophobic incline due to surface entrained air bubbles. Journal of Colloid and Interface Science, 2011, 354, 832-842.	5.0	23
137	Pressure-driven flow in open fluidic channels. Journal of Colloid and Interface Science, 2011, 357, 534-540.	5.0	15
138	Strong upstream flow characteristics in the formation of rivulets. Physical Review E, 2011, 83, 026304.	0.8	4
139	Two Dimensional Acoustic Manipulation in Microfluidic Channels. Applied Mechanics and Materials, 2011, 117-119, 624-632.	0.2	0
140	Observation of dynamic samples using simple coverslip fluidics. Biotechnic and Histochemistry, 2011, 86, 115-118.	0.7	2
141	Sorting of Brownian rods by the use of an asymmetric potential. Journal of Chemical Physics, 2011, 134, 064514.	1.2	4
142	Particle movement with squeezing flow of liquid films. Sensors and Actuators B: Chemical, 2010, 151, 297-303.	4.0	3
143	Strategies for single particle manipulation using acoustic radiation forces and external tools. Physics Procedia, 2010, 3, 255-262.	1.2	7
144	Minimalist and convenient mode changing off-axis digital holography. Optics Communications, 2010, 283, 295-298.	1.0	1

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145	Swirl mixing at microfluidic junctions due to low frequency side channel fluidic perturbations. Sensors and Actuators B: Chemical, 2010, 150, 811-818.	4.0	27
146	Strategies for single particle manipulation using acoustic and flow fields. Ultrasonics, 2010, 50, 247-257.	2.1	41
147	Point spread function effect in image-based fluorescent microplate detection. Analytical Biochemistry, 2010, 397, 256-258.	1.1	19
148	Liquid filling in standard circular well microplates. Journal of Applied Physics, 2010, 108, 124701.	1.1	18
149	Specific collection of adherent cells using laser release in a droplet-driven capillary cell. Journal of Biomedical Optics, 2010, 15, 065003.	1.4	6
150	Capillary Wells Microplate with Side Optical Access. Journal of Biomolecular Screening, 2010, 15, 1160-1164.	2.6	15
151	Hydrophobicity effect in the self assembly of particles in an evaporating droplet. Journal of Applied Physics, 2010, 108, 034512.	1.1	20
152	Absorbance and fluorometric sensing with capillary wells microplates. Review of Scientific Instruments, 2010, 81, 124301.	0.6	13
153	Effect of an Encapsulated Bubble in Inhibiting Droplet Sliding. Langmuir, 2010, 26, 17695-17702.	1.6	19
154	Translational and rotational coupling in Brownian rods near a solid surface. Physical Review E, 2010, 82, 041126.	0.8	17
155	Phase and amplitude retrieval of objects embedded in a sinusoidal background from its diffraction pattern. Applied Optics, 2010, 49, 1831.	2.1	8
156	Intensity influence on Gaussian beam laser based measurements using quadrant photodiodes. Applied Optics, 2010, 49, 3669.	2.1	20
157	Collection of suspended particles in a drop using low frequency vibration. Applied Physics Letters, 2010, 96, .	1.5	51
158	Delicate selective single particle handling with a float-sink scheme. Applied Physics Letters, 2009, 94, .	1.5	13
159	Continuous particle assembly in a capillary cell. Applied Physics Letters, 2009, 95, 153501.	1.5	16
160	Controlled driven oscillations of double-walled carbon nanotubes. Europhysics Letters, 2009, 87, 16002.	0.7	22
161	Novel sample preparation technique for protein crystal X-ray crystallographic analysis combining microfluidics and acoustic manipulation. Journal of Applied Crystallography, 2009, 42, 636-641.	1.9	6
162	The use of acoustic radiation forces to position particles within fluid droplets. Ultrasonics, 2009, 49, 47-52.	2.1	68

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163	Optical sorting of dielectric Rayleigh spherical particles with scattering and standing waves. Optics Express, 2009, 17, 5321.	1.7	19
164	Computer-aided analysis of optical diffraction by low-frequency liquid surface acoustic waves. Applied Optics, 2009, 48, C159.	2.1	2
165	Optimizing photophoresis and asymmetric force fields for grading of Brownian particles. Applied Optics, 2009, 48, 6820.	2.1	6
166	Accounting for brownian forces in nano-particle sorting. , 2009, , .		0
167	Microfluidic mixing under low frequency vibration. Lab on A Chip, 2009, 9, 1435.	3.1	63
168	Towards the automation of micron-sized particle handling by use of acoustic manipulation assisted by microfluidics. Ultrasonics, 2008, 48, 529-536.	2.1	15
169	Continuous sorting of Brownian particles using coupled photophoresis and asymmetric potential cycling. Optics Letters, 2008, 33, 584.	1.7	23
170	Capillary well microplate. Applied Physics Letters, 2008, 93, .	1.5	28
171	Directional Brownian diffusion dynamics with variable magnitudes. Applied Physics Letters, 2008, 92, .	1.5	30
172	Acoustic fields of nonplanar radiators. Journal of the Acoustical Society of America, 2007, 122, 2587.	0.5	0
173	Manipulation of micrometer sized particles within a micromachined fluidic device to form two-dimensional patterns using ultrasound. Journal of the Acoustical Society of America, 2007, 121, 778-785.	0.5	127
174	Monolithically Fabricated Microgripper With Integrated Force Sensor for Manipulating Microobjects and Biological Cells Aligned in an Ultrasonic Field. Journal of Microelectromechanical Systems, 2007, 16, 7-15.	1.7	322
175	Simultaneous positioning of cells into two-dimensional arrays using ultrasound. Biotechnology and Bioengineering, 2007, 97, 1335-1339.	1.7	46
176	Design, modeling and characterization of microfluidic devices for ultrasonic manipulation. Sensors and Actuators B: Chemical, 2007, 121, 452-461.	4.0	91
177	Design of a Micro-Gripper and an Ultrasonic Manipulator for Handling Micron Sized Objects. , 2006, , .		28
178	Finite element modeling of a microparticle manipulator. Ultrasonics, 2006, 44, e455-e460.	2.1	37
179	A micro-particle positioning technique combining an ultrasonic manipulator and a microgripper. Journal of Micromechanics and Microengineering, 2006, 16, 1562-1570.	1.5	70
180	The radiated fields of focussing air-coupled ultrasonic phased arrays. Ultrasonics, 2005, 43, 183-195.	2.1	25

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181	Humidity and aggregate content correction factors for air-coupled ultrasonic evaluation of concrete. Ultrasonics, 2005, 43, 211-217.	2.1	33
182	Manipulation of cells using an ultrasonic pressure field. Ultrasound in Medicine and Biology, 2005, 31, 857-864.	0.7	56
183	Positioning, displacement, and localization of cells using ultrasonic forces. Biotechnology and Bioengineering, 2005, 92, 8-14.	1.7	90
184	A theoretical model for a finite-size acoustic receiver. Journal of the Acoustical Society of America, 2004, 115, 1546-1556.	0.5	3
185	The calculation of radiated acoustic pressure fields from irregular multi-sided polygons. Journal of the Acoustical Society of America, 2004, 115, 2021-2031.	0.5	0
186	A model for the radiated field of a plane piston after reflection from a curved surface. Journal of the Acoustical Society of America, 2004, 116, 2793-2801.	0.5	5
187	Modelling of the radiated field from multi-element capacitive micromachined ultrasonic transducers. Ultrasonics, 2004, 42, 447-452.	2.1	0
188	Imaging using air-coupled polymer-membrane capacitive ultrasonic arrays. Ultrasonics, 2004, 42, 859-864.	2.1	15
189	Radiated fields of capacitive micromachined ultrasonic transducers in air. Journal of the Acoustical Society of America, 2003, 114, 1435-1449.	0.5	13
190	Radiated fields of rectangular air-coupled micromachined transducers. , 0, , .		2