Haim H Bau

List of Publications by Year
in descending order

169 papers	9,966 citations	24978 57 h-index	42291 92 g-index
173 all docs	173 docs citations	173 times ranked	8382 citing authors

#	Article	IF	Citations
1	Electronâ€“Water Interactions and Implications for Liquid Cell Electron Microscopy. Journal of Physical Chemistry C, 2014, 118, 22373-22382.	1.5	519
2	Gas flow in micro-channels. Journal of Fluid Mechanics, 1995, 284, 257-274.	1.4	485
3	A minute magneto hydro dynamic (MHD) mixer. Sensors and Actuators B: Chemical, 2001, 79, 207-215.	4.0	314
4	Controlling a chaotic system. Physical Review Letters, 1991, 66, 1123-1125.	2.9	310
5	Bubble and Pattern Formation in Liquid Induced by an Electron Beam. Nano Letters, 2014, 14, 359-364.	4.5	286
6	Instrument-Free Point-of-Care Molecular Detection of Zika Virus. Analytical Chemistry, 2016, 88, 7289-7294.	3.2	263
7	Analysis of microchannels for integrated cooling. International Journal of Heat and Mass Transfer, 1992, 35, 2465-2474.	2.5	238
8	An integrated, self-contained microfluidic cassette for isolation, amplification, and detection of nucleic acids. Biomedical Microdevices, 2010, 12, 705-719.	1.4	183
9	Magneto-hydrodynamics based microfluidics. Mechanics Research Communications, 2009, 36, 10-21.	1.0	176
10	An isothermal amplification reactor with an integrated isolation membrane for point-of-care detection of infectious diseases. Analyst, The, 2011, 136, 2069.	1.7	164
11	A Chaotic Electroosmotic Stirrer. Analytical Chemistry, 2002, 74, 3616-3625.	3.2	155
12	Smart cup: A minimally-instrumented, smartphone-based point-of-care molecular diagnostic device. Sensors and Actuators B: Chemical, 2016, 229, 232-238.	4.0	148
13	Self-Actuated, Thermo-Responsive Hydrogel Valves for Lab on a Chip. Biomedical Microdevices, 2005, 7, 313-322.	1.4	145
14	Controlling chaos in a thermal convection loop. Journal of Fluid Mechanics, 1992, 237, 479-498.	1.4	138
15	Magneto hydrodynamic (MHD) pump fabricated with ceramic tapes. Sensors and Actuators A: Physical, 2002, 96, 59-66.	2.0	136
16	A magnetohydrodynamic chaotic stirrer. Journal of Fluid Mechanics, 2002, 468, 153-177.	1.4	122
17	Control of Electron Beam-Induced Au Nanocrystal Growth Kinetics through Solution Chemistry. Nano Letters, 2015, 15, 5314-5320.	4.5	122
18	Boiling in low-permeability porous materials. International Journal of Heat and Mass Transfer, 1982, 25, 45-55.	2.5	119

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19	The Nanoaquarium: A Platform for In Situ Transmission Electron Microscopy in Liquid Media. Journal of Microelectromechanical Systems, 2010, 19, 885-894.	1.7	119
20	Filling Carbon Nanotubes with Particles. Nano Letters, 2005, 5, 873-878.	4.5	118
21	A disposable microfluidic cassette for DNA amplification and detection. Lab on A Chip, 2006, 6, 46-53.	3.1	113
22	The Effect of Translocating Cylindrical Particles on the Ionic Current through a Nanopore. Biophysical Journal, 2007, 92, 1164-1177.	0.2	106
23	A mathematical model of lateral flow bioreactions applied to sandwich assays. Analytical Biochemistry, 2003, 322, 89-98.	1.1	103
24	Analysis of lateral flow biodetectors: competitive format. Analytical Biochemistry, 2004, 326, 211-224.	1.1	101
25	Cell Electrophysiology with Carbon Nanopipettes. ACS Nano, 2009, 3, 563-568.	7.3	101
26	Miniaturized devices for point of care molecular detection of HIV. Lab on A Chip, 2017, 17, 382-394.	3.1	101
27	Membrane-Based, Sedimentation-Assisted Plasma Separator for Point-of-Care Applications. Analytical Chemistry, 2013, 85, 10463-10470.	3.2	100
28	In situliquid-cell electron microscopy of colloid aggregation and growth dynamics. Physical Review E, 2011, 83, 061405.	0.8	99
29	A magneto-hydrodynamically controlled fluidic network. Sensors and Actuators B: Chemical, 2003, 88, 205-216.	4.0	98
30	A high-efficiency superhydrophobic plasma separator. Lab on A Chip, 2016, 16, 553-560.	3.1	95
31	Smartphone-Based Mobile Detection Platform for Molecular Diagnostics and Spatiotemporal Disease Mapping. Analytical Chemistry, 2018, 90, 4823-4831.	3.2	95
32	A timer-actuated immunoassay cassette for detecting molecular markers in oral fluids. Lab on A Chip, 2009, 9, 768-776.	3.1	93
33	Carbon Nanopipette Electrodes for Dopamine Detection in Drosophila. Analytical Chemistry, 2015, 87, 3849-3855.	3.2	92
34	Thermosiphon-Based PCR Reactor:Â Experiment and Modeling. Analytical Chemistry, 2004, 76, 3707-3715.	3.2	90
35	Finger-actuated, self-contained immunoassay cassettes. Biomedical Microdevices, 2009, 11, 1175-1186.	1.4	85
36	Two-Stage Isothermal Enzymatic Amplification for Concurrent Multiplex Molecular Detection. Clinical Chemistry, 2017, 63, 714-722.	1.5	85

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37	Carbon nanopipettes for cell probes and intracellular injection. Nanotechnology, 2008, 19, 015101.	1.3	83
38	A disposable, self-contained PCR chip. Lab on A Chip, 2009, 9, 606-612.	3.1	80
39	A self-heating cartridge for molecular diagnostics. Lab on A Chip, 2011, 11, 2686.	3.1	79
40	Rapid Assay Format for Multiplex Detection of Humoral Immune Responses to Infectious Disease Pathogens (HIV, HCV, and TB). Annals of the New York Academy of Sciences, 2007, 1098, 437-445.	1.8	78
41	Transient and steady behavior of an open, symmetrically-heated, free convection loop. International Journal of Heat and Mass Transfer, 1981, 24, 597-609.	2.5	77
42	Highly specific enrichment of rare nucleic acid fractions using Thermus thermophilus argonaute with applications in cancer diagnostics. Nucleic Acids Research, 2020, 48, e19-e19.	6.5	76
43	On the Effect of Induced Electro-Osmosis on a Cylindrical Particle Next to a Surface. Langmuir, 2007, 23, 4053-4063.	1.6	75
44	The kinematics of bend-induced mixing in micro-conduits. International Journal of Heat and Fluid Flow, 2003, 24, 645-656.	1.1	74
45	A Microfluidic System for Saliva-Based Detection of Infectious Diseases. Annals of the New York Academy of Sciences, 2007, 1098, 429-436.	1.8	72
46	Control of Marangoniâ€“BÃ©nard convection. International Journal of Heat and Mass Transfer, 1999, 42, 1327-1341.	2.5	70
47	Stabilization of the no-motion state in Rayleigh-BÃ©nard convection through the use of feedback control. Physical Review Letters, 1993, 70, 1795-1798.	2.9	69
48	Optimization of conduits' shape in micro heat exchangers. International Journal of Heat and Mass Transfer, 1998, 41, 2717-2723.	2.5	68
49	Heat losses from a fluid flowing in a buried pipe. International Journal of Heat and Mass Transfer, 1982, 25, 1621-1629.	2.5	66
50	Feedback control stabilization of the no-motion state of a fluid confined in a horizontal porous layer heated from below. Journal of Fluid Mechanics, 1993, 257, 485.	1.4	65
51	A membrane-based, high-efficiency, microfluidic debubbler. Lab on A Chip, 2011, 11, 1688.	3.1	64
52	Simple Approaches to Minimally-Instrumented, Microfluidic-Based Point-of-Care Nucleic Acid Amplification Tests. Biosensors, 2018, 8, 17.	2.3	63
53	Optical Microscope Study of Liquid Transport in Carbon Nanotubes. Nano Letters, 2004, 4, 2203-2208.	4.5	62
54	Microfluidic chaotic stirrer utilizing induced-charge electro-osmosis. Physical Review E, 2007, 75, 066217.	0.8	62

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55	Thermally-actuated, phase change flow control for microfluidic systems. Lab on A Chip, 2005, 5, 1277.	3.1	60
56	Rendering a subcritical Hopf bifurcation supercritical. Journal of Fluid Mechanics, 1996, 317, 91-109.	1.4	58
57	Electrophoresis of Concentrically and Eccentrically Positioned Cylindrical Particles in a Long Tube. Langmuir, 2004, 20, 2628-2639.	1.6	57
58	A stirrer for magnetohydrodynamically controlled minute fluidic networks. Physics of Fluids, 2002, 14, 3584-3592.	1.6	56
59	Active control of convection. Physics of Fluids A, Fluid Dynamics, 1991, 3, 2859-2865.	1.6	55
60	Magnetohydrodynamic flow of RedOx electrolyte. Physics of Fluids, 2005, 17, 067105.	1.6	55
61	Two-dimensional bifurcation phenomena in thermal convection in horizontal, concentric annuli containing saturated porous media. Journal of Fluid Mechanics, 1988, 187, 267-300.	1.4	54
62	A PCR reactor with an integrated alumina membrane for nucleic acid isolation. Analyst, The, 2010, 135, 2408.	1.7	53
63	Microfluidic, bead-based assay: Theory and experiments. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 228-236.	1.2	52
64	Theoretical investigation of electro-osmotic flows and chaotic stirring in rectangular cavities. Applied Mathematical Modelling, 2005, 29, 726-753.	2.2	51
65	Dielectrophoresis of Caenorhabditis elegans. Lab on A Chip, 2011, 11, 599.	3.1	51
66	Thermal convection in a horizontal, eccentric annulus containing a saturated porous mediumâ€”an extended perturbation expansion. International Journal of Heat and Mass Transfer, 1984, 27, 2277-2287.	2.5	50
67	Ceramic microchips for capillary electrophoresisâ€“electrochemistry. Analytical Communications, 1999, 36, 305-307.	2.2	50
68	A portable, integrated analyzer for microfluidic â€“ based molecular analysis. Biomedical Microdevices, 2011, 13, 809-817.	1.4	49
69	Instrument for simultaneous measurement of density and viscosity. Review of Scientific Instruments, 1989, 60, 1111-1115.	0.6	48
70	Induction and measurement of minute flow rates through nanopipes. Physics of Fluids, 2007, 19, 013603.	1.6	46
71	A large volume, portable, real-time PCR reactor. Lab on A Chip, 2010, 10, 3170.	3.1	46
72	Nanoscale evolution of interface morphology during electrodeposition. Nature Communications, 2017, 8, 2174.	5.8	44

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73	A disposable, integrated loop-mediated isothermal amplification cassette with thermally actuated valves. Microfluidics and Nanofluidics, 2011, 11, 209-220.	1.0	43
74	A Low-Cost Microfluidic Chip for Rapid Genotyping of Malaria-Transmitting Mosquitoes. PLoS ONE, 2012, 7, e42222.	1.1	43
75	Kelvinâ€“Helmholtz instability for parallel flow in porous media: A linear theory. Physics of Fluids, 1982, 25, 1719.	1.4	42
76	Electrospray on superhydrophobic nozzles treated with argon and oxygen plasma. Applied Physics Letters, 2008, 92, .	1.5	42
77	Polymeric microbead arrays for microfluidic applications. Journal of Micromechanics and Microengineering, 2010, 20, 115017.	1.5	42
78	Numerical investigation of the stabilization of the no-motion state of a fluid layer heated from below and cooled from above. Physics of Fluids, 1998, 10, 1597-1610.	1.6	39
79	Dispersion in retentive pillar array columns. Journal of Chromatography A, 2010, 1217, 1332-1342.	1.8	39
80	Thermoacoustic waves in a semi-infinite medium. International Journal of Heat and Mass Transfer, 1995, 38, 1329-1345.	2.5	38
81	Peristaltically induced motion in a closed cavity with two vibrating walls. Physics of Fluids, 2002, 14, 184-197.	1.6	38
82	Gait synchronization in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6865-6870.	3.3	38
83	Caenorhabditis-in-Drop Array for MonitoringC. elegansQuiescent Behavior. Sleep, 2013, 36, 689-698.	0.6	37
84	Microfluidic Devices for Nucleic Acid (NA) Isolation, Isothermal NA Amplification, and Real-Time Detection. Methods in Molecular Biology, 2015, 1256, 15-40.	0.4	37
85	Single- and Two-Stage, Closed-Tube, Point-of-Care, Molecular Detection of SARS-CoV-2. Analytical Chemistry, 2021, 93, 13063-13071.	3.2	37
86	Convective heat losses from a pipe buried in a semi-infinite porous medium. International Journal of Heat and Mass Transfer, 1984, 27, 2047-2056.	2.5	35
87	The effect of an adjacent viscous fluid on the transmission of torsional stress waves in a submerged waveguide. Journal of the Acoustical Society of America, 1991, 89, 1414-1422.	0.5	35
88	Carbon nanopipettes characterize calcium release pathways in breast cancer cells. Nanotechnology, 2008, 19, 325102.	1.3	35
89	The polarization of a nanoparticle surrounded by a thick electric double layer. Journal of Colloid and Interface Science, 2009, 333, 663-671.	5.0	35
90	Confinement and Manipulation of Actin Filaments by Electric Fields. Biophysical Journal, 2007, 93, L42-L44.	0.2	34

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91	A Multifunctional Reactor with Dry-Stored Reagents for Enzymatic Amplification of Nucleic Acids. Analytical Chemistry, 2018, 90, 1209-1216.	3.2	33
92	Development of a Microfluidic Device for Detection of Pathogens in Oral Samples Using Upconverting Phosphor Technology (UPT). Annals of the New York Academy of Sciences, 2007, 1098, 375-388.	1.8	32
93	Lab-on-a-Chip Technologies for Oral-Based Cancer Screening and Diagnostics: Capabilities, Issues, and Prospects. Annals of the New York Academy of Sciences, 2007, 1098, 467-475.	1.8	32
94	When MHD-based microfluidics is equivalent to pressure-driven flow. Microfluidics and Nanofluidics, 2011, 10, 287-300.	1.0	32
95	On the stability and flow reversal of an asymmetrically heated open convection loop. Journal of Fluid Mechanics, 1981, 109, 417-433.	1.4	31
96	Thermoacoustic waves in a confined medium. International Journal of Heat and Mass Transfer, 1997, 40, 407-419.	2.5	31
97	Optimal and adaptive control of chaotic convectionâ€”Theory and experiments. Physics of Fluids, 1999, 11, 1435-1448.	1.6	31
98	The dielectrophoresis of cylindrical and spherical particles submerged in shells and in semi-infinite media. Physics of Fluids, 2004, 16, 1217-1228.	1.6	31
99	On line, realâ€time densimeterâ€”Theory and optimization. Journal of the Acoustical Society of America, 1989, 85, 432-439.	0.5	30
100	A portable analyzer for pouch-actuated, immunoassay cassettes. Sensors and Actuators B: Chemical, 2011, 160, 1529-1535.	4.0	30
101	A portable, 3D printed, microfluidic device for multiplexed, real time, molecular detection of the porcine epidemic diarrhea virus, transmissible gastroenteritis virus, and porcine deltacoronavirus at the point of need. Lab on A Chip, 2021, 21, 1118-1130.	3.1	29
102	Effect of Secondary Flows on Taylorâ€“Aris Dispersion. Analytical Chemistry, 2007, 79, 7792-7798.	3.2	28
103	Large Rayleigh number convection in a horizontal, eccentric annulus containing saturated porous media. International Journal of Heat and Mass Transfer, 1986, 29, 703-712.	2.5	27
104	Controlling chaotic convection using neural netsâ€”theory and experiments. Neural Networks, 1998, 11, 557-569.	3.3	26
105	High-throughput, motility-based sorter for microswimmers such as C. elegans. Lab on A Chip, 2015, 15, 2790-2798.	3.1	25
106	Complex magnetohydrodynamic low-Reynolds-number flows. Physical Review E, 2003, 68, 016312.	0.8	24
107	Propensity of undulatory swimmers, such as worms, to go against the flow. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3606-3611.	3.3	24
108	The mechanics of short rod-like molecules in tension. International Journal of Non-Linear Mechanics, 2008, 43, 1056-1063.	1.4	23

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109	A Reverse Transcription Loop-Mediated Isothermal Amplification Assay Optimized to Detect Multiple HIV Subtypes. PLoS ONE, 2015, 10, e0117852.	1.1	23
110	Onset of convection in a permeable medium between vertical coaxial cylinders. Physics of Fluids, 1981, 24, 382.	1.4	22
111	Molecular Detection of Schistosome Infections with a Disposable Microfluidic Cassette. PLoS Neglected Tropical Diseases, 2015, 9, e0004318.	1.3	22
112	Effects of Deposition Conditions on the Structure and Chemical Properties of Carbon Nanopipettes. Chemical Vapor Deposition, 2009, 15, 204-208.	1.4	21
113	Electrochemical reaction with RedOx electrolyte in toroidal conduits in the presence of natural convection. International Journal of Heat and Mass Transfer, 2006, 49, 3968-3976.	2.5	19
114	Polarization of Nanorods Submerged in an Electrolyte Solution and Subjected to an ac Electrical Field. Langmuir, 2010, 26, 5412-5420.	1.6	19
115	Nuclemeter: A Reaction-Diffusion Based Method for Quantifying Nucleic Acids Undergoing Enzymatic Amplification. Scientific Reports, 2014, 4, 7335.	1.6	19
116	Carbon nanoelectrodes for single-cell probing. Nanotechnology, 2015, 26, 185101.	1.3	19
117	Using electrical and optical tweezers to facilitate studies of molecular motors. Physical Chemistry Chemical Physics, 2009, 11, 4834.	1.3	18
118	Thermal convection associated with hot/cold pipes buried in a semi-infinite, saturated, porous medium. International Journal of Heat and Mass Transfer, 1987, 30, 263-273.	2.5	17
119	Low Rayleigh number convection in horizontal, eccentric annuli. Physics of Fluids, 1988, 31, 2467-2473.	1.4	17
120	Effect of Double-Layer Polarization on the Forces That Act on a Nanosized Cylindrical Particle in an ac Electrical Field. Langmuir, 2008, 24, 6050-6059.	1.6	17
121	A hydrodynamic mechanism for attraction of undulatory microswimmers to surfaces (bordertaxis). Journal of the Royal Society Interface, 2015, 12, 20150227.	1.5	16
122	Carbon-based nanoprobes for cell biology. Microfluidics and Nanofluidics, 2009, 7, 439-450.	1.0	15
123	Point-of-Care Molecular Test for Zika Infection. Clinical Laboratory International, 2017, 41, 25-27.	1.0	15
124	Thermal convection and boiling in a porous medium. Letters in Heat and Mass Transfer, 1982, 9, 431-441.	0.3	14
125	Electrical detection of cellular penetration during microinjection with carbon nanopipettes. Nanotechnology, 2014, 25, 245102.	1.3	14
126	Dynamics of intracellular stress-induced tRNA trafficking. Nucleic Acids Research, 2019, 47, 2002-2010.	6.5	14

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127	Pyroelectric anemometry: Theory of operation. Sensors and Actuators A: Physical, 1995, 49, 125-132.	2.0	13
128	Fabrication of Nanoscale Nozzle for Electrohydrodynamic (EHD) Inkjet Head and High Precision Patterning by Drop-on-Demand Operation. Journal of Nanoscience and Nanotechnology, 2009, 9, 7298-302.	0.9	13
129	Porous bead-based microfluidic assay: theory and confocal microscope imaging. Microfluidics and Nanofluidics, 2012, 12, 625-637.	1.0	13
130	Caenorhabditis elegans exhibits positive gravitaxis. BMC Biology, 2021, 19, 186.	1.7	13
131	Integrated Microfluidic Nucleic Acid Isolation, Isothermal Amplification, and Amplicon Quantification. Microarrays (Basel, Switzerland), 2015, 4, 474-489.	1.4	12
132	Electricity-free chemical heater for isothermal nucleic acid amplification with applications in COVID-19 home testing. Analyst, The, 2021, 146, 4212-4218.	1.7	12
133	On the effects of viscous dissipation and pressure work in free convection loops. International Journal of Heat and Mass Transfer, 1983, 26, 727-734.	2.5	11
134	Visualization of Active and Passive Control of Morphology during Electrodeposition. Microscopy and Microanalysis, 2014, 20, 1530-1531.	0.2	11
135	Single bead-based electrochemical biosensor. Biosensors and Bioelectronics, 2009, 25, 809-814.	5.3	10
136	A 2D analysis of surface roughness for prediction of boiling incipience. International Journal of Heat and Mass Transfer, 2010, 53, 1313-1318.	2.5	10
137	Terrain following and applications:Caenorhabditis elegansswims along the floor using a bump and undulate strategy. Journal of the Royal Society Interface, 2016, 13, 20160612.	1.5	10
138	Two stage, nested isothermal amplification in a single tube. Analyst, The, 2021, 146, 1311-1319.	1.7	10
139	Orienting Actin Filaments for Directional Motility of Processive Myosin Motors. Nano Letters, 2013, 13, 79-84.	4.5	9
140	On the translation of a cylinder in a long tube. Physics of Fluids, 2004, 16, 998-1007.	1.6	8
141	Pulsating Bead-Based Assay. Analytical Chemistry, 2011, 83, 2858-2861.	3.2	8
142	Detection of Streptococcus equi subsp. equi in guttural pouch lavage samples using a loopâ€mediated isothermal nucleic acid amplification microfluidic device. Journal of Veterinary Internal Medicine, 2021, 35, 1597-1603.	0.6	8
143	CRISPR Cas9-Mediated Selective Isothermal Amplification for Sensitive Detection of Rare Mutant Alleles. Clinical Chemistry, 2021, 67, 1569-1571.	1.5	8
144	Torsional Stress Waves in a Circular Cylinder With a Modulated Surface. Journal of Applied Mechanics, Transactions ASME, 1991, 58, 710-715.	1.1	7

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145	Analysis of sedimentation biodetectors. Chemical Engineering Science, 2005, 60, 2585-2598.	1.9	7
146	Capacitive charging and desalination dynamics of a packed-bed reactor. Physical Chemistry Chemical Physics, 2015, 17, 7181-7195.	1.3	7
147	In Situ Transmission Electron Microscope Liquid Cell 3D Profile Reconstruction and Analysis of Nanoscale Liquid Water Contact Line Movements. Langmuir, 2019, 35, 16712-16717.	1.6	7
148	An automated, pre-programmed, multiplexed, hydraulic microvalve. Lab on A Chip, 2009, 9, 3594.	3.1	6
149	Why do worms go against the flow?C. elegansbehaviors explained by simple physics. Worm, 2015, 4, e1118606.	1.0	6
150	Sensitive, Single-Pot, Two-Stage Assay for Hepatitis Viruses. Analytical Chemistry, 2022, 94, 1778-1786.	3.2	6
151	Is instrument-free molecular detection possible?. Expert Review of Molecular Diagnostics, 2017, 17, 949-951.	1.5	5
152	A closed-tube, single-step, real time, reverse transcription-loop-mediated isothermal amplification assay for infectious bronchitis virus detection in chickens. Journal of Virological Methods, 2020, 284, 113940.	1.0	5
153	Programmable endonuclease combined with isothermal polymerase amplification to selectively enrich for rare mutant allele fractions. Chinese Chemical Letters, 2022, 33, 4126-4132.	4.8	5
154	Thermal convection loop with heating from above. International Journal of Heat and Mass Transfer, 1992, 35, 111-120.	2.5	4
155	Microfluidic â€œPouchâ€•Chips for Immunoassays and Nucleic Acid Amplification Tests. Methods in Molecular Biology, 2017, 1572, 467-488.	0.4	4
156	Molecular and pathological characterization of natural co-infection of poultry farms with the recently emerged Leucocytozoon caulleryi and chicken anemia virus in Egypt. Tropical Animal Health and Production, 2022, 54, 91.	0.5	3
157	Manually-operated, slider cassette for multiplexed molecular detection at the point of care. Sensors and Actuators B: Chemical, 2022, 369, 132353.	4.0	3
158	Temperature distribution in and around a buried heat generating sphere. International Journal of Heat and Mass Transfer, 1982, 25, 1701-1707.	2.5	2
159	Carbon Nanopipettes for Cell Surgery. Journal of the Association for Laboratory Automation, 2010, 15, 145-151.	2.8	2
160	Ellipsoidal particles encapsulated in droplets. Soft Matter, 2014, 10, 4840-4847.	1.2	2
161	Estimation of Nanoscale Current Density Distributions during Electrodeposition. Microscopy and Microanalysis, 2015, 21, 2435-2436.	0.2	2
162	Video: Why are Undulatory Swimmers Attracted to Surfaces (Bordertaxis)?. , 0, , .		2

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163	Molecular Detection of Infectious Laryngotracheitis Virus in Chickens with a Microfluidic Chip. Animals, 2021, 11, 3203.	1.0	2
164	ON CONTROLLING A CHAOTIC SYSTEM. Modern Physics Letters B, 1991, 05, 1489-1497.	1.0	1
165	Bau replies. Physical Review Letters, 1992, 69, 3129-3129.	2.9	1
166	Radiolysis during Liquid Cell Electron Microscopy. Microscopy and Microanalysis, 2014, 20, 1516-1517.	0.2	1
167	Ultrasonic flow rate measurement of low speed non-isothermal flows. International Communications in Heat and Mass Transfer, 1985, 12, 381-392.	2.9	0
168	Range of Validity of a Simplified Model for Diffuse Charge Dynamics. Electroanalysis, 2015, 27, 473-484.	1.5	0
169	Microinjection of fl-tRNA for the Study of tRNA Subcellular Dynamics. Biophysical Journal, 2015, 108, 571a.	0.2	0