

# N-T Nguyen

## List of Publications by Year in descending order

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Version: 2024-02-01

621  
papers

26,147  
citations

6233

80  
h-index

12558

132  
g-index

652  
all docs

652  
docs citations

652  
times ranked

21523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency Reconfigurable Smart Antenna With Integrated Electroactive Polymer for Far-Field Communication. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 856-867.	3.1	13
2	A Stretchable Kirigami-Inspired Self-Powered Electroactive Sensor for Tensile Strain and Torsion Sensing. <i>Advanced Engineering Materials</i> , 2022, 24, 2100961.	1.6	7
3	Investigation of liquid marble shell using X-ray: shell thickness and effective surface tension. <i>ChemNanoMat</i> , 2022, 8, .	1.5	4
4	Multiphysics microfluidics for cell manipulation and separation: a review. <i>Lab on A Chip</i> , 2022, 22, 423-444.	3.1	47
5	Magnetic cell separation. , 2022, , 193-225.		2
6	Plasma-Induced Nanocrystalline Domain Engineering and Surface Passivation in Mesoporous Chalcogenide Semiconductor Thin Films. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
7	Noninvasive refilling of liquid marbles with water for microfluidic applications. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	3
8	The concept of light-harvesting, self-powered mechanical sensors using a monolithic structure. <i>Nano Energy</i> , 2022, 96, 107030.	8.2	10
9	Ultrasensitive Self-Powered Position-Sensitive Detector Based on n-3C-SiC/p-Si Heterojunctions. <i>ACS Applied Electronic Materials</i> , 2022, 4, 768-775.	2.0	9
10	On-demand deterministic release of particles and cells using stretchable microfluidics. <i>Nanoscale Horizons</i> , 2022, 7, 414-424.	4.1	6
11	Controllable high-performance liquid marble micromixer. <i>Lab on A Chip</i> , 2022, 22, 1508-1518.	3.1	15
12	Enhanced Blood Plasma Extraction Utilising Viscoelastic Effects in a Serpentine Microchannel. <i>Biosensors</i> , 2022, 12, 120.	2.3	4
13	A new insight into a thermoplastic microfluidic device aimed at improvement of oxygenation process and avoidance of shear stress during cell culture. <i>Biomedical Microdevices</i> , 2022, 24, 15.	1.4	2
14	Enhanced Electrohydrodynamics for Electrospinning a Highly Sensitive Flexible Fiber-Based Piezoelectric Sensor. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1301-1310.	2.0	15
15	Picomolar detection of carbohydrate-lectin interactions on piezoelectrically printed microcantilever array. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114088.	5.3	4
16	Engineering Stress in Thin Films: An Innovative Pathway Toward 3D Micro and Nanosystems. <i>Small</i> , 2022, 18, 2105748.	5.2	6
17	Particle-Based Numerical Modelling of Liquid Marbles: Recent Advances and Future Perspectives. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 3021-3039.	6.0	1
18	Rapid, Simple and Inexpensive Fabrication of Paper-Based Analytical Devices by Parafilm® Hot Pressing. <i>Micromachines</i> , 2022, 13, 48.	1.4	9

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19	Light-Harvesting Self-Powered Monolithic-Structure Temperature Sensing Based on 3C-SiC/Si Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22593-22600.	4.0	3
20	Model-based feedback control for on-demand droplet dispensing system with precise real-time phase imaging. <i>Sensors and Actuators B: Chemical</i> , 2022, 365, 131936.	4.0	4
21	Tuning particle inertial separation in sinusoidal channels by embedding periodic obstacle microstructures. <i>Lab on A Chip</i> , 2022, 22, 2789-2800.	3.1	24
22	Atherothrombosis-on-a-Chip: A Site-Specific Microfluidic Model for Thrombus Formation and Drug Discovery. <i>Advanced Biology</i> , 2022, 6, .	1.4	8
23	Isotypic analysis of anti-p53 serum autoantibodies and p53 protein tissue phenotypes in colorectal cancer. <i>Human Pathology</i> , 2022, , .	1.1	1
24	Thermal-piezoresistive pumping on double SiC layer resonator for effective quality factor tuning. <i>Sensors and Actuators A: Physical</i> , 2022, 343, 113678.	2.0	2
25	Stretchable, Skin-Breathable, and Ultrasensitive Respiration Sensor Using Graphite on Paper With Smart Structures. <i>IEEE Sensors Journal</i> , 2022, 22, 16804-16810.	2.4	3
26	Low-cost electrochemical paper-based device for exosome detection. <i>Analyst, The</i> , 2022, 147, 3732-3740.	1.7	18
27	Giant Piezotronic Effect by Photoexcitation-Induced Electronic Coupling in a p-GaN/AlGaN/GaN Heterojunction. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2648-2655.	2.0	0
28	Integrated, Transparent Silicon Carbide Electronics and Sensors for Radio Frequency Biomedical Therapy. <i>ACS Nano</i> , 2022, 16, 10890-10903.	7.3	17
29	Signal-Based Methods in Dielectrophoresis for Cell and Particle Separation. <i>Biosensors</i> , 2022, 12, 510.	2.3	12
30	Digital Imaging-Based Colourimetry for Enzymatic Processes in Transparent Liquid Marbles. <i>ChemPhysChem</i> , 2021, 22, 99-105.	1.0	12
31	Effect of Core Liquid Surface Tension on the Liquid Marble Shell. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001591.	1.9	15
32	Wet oxidation of 3C-SiC on Si for MEMS processing and use in harsh environments: Effects of the film thicknesses, crystalline orientations, and growth temperatures. <i>Sensors and Actuators A: Physical</i> , 2021, 317, 112474.	2.0	2
33	Three-dimensional visualization and analysis of flowing droplets in microchannels using real-time quantitative phase microscopy. <i>Lab on A Chip</i> , 2021, 21, 75-82.	3.1	14
34	Universal Electrochemical Synthesis of Mesoporous Chalcogenide Semiconductors: Mesoporous CdSe and CdTe Thin Films for Optoelectronic Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9660-9665.	7.2	15
35	Toward on-board microchip synthesis of CdSe vs. PbSe nanocrystalline quantum dots as a spectral decoy for protecting space assets. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 471-485.	1.9	5
36	Universal Electrochemical Synthesis of Mesoporous Chalcogenide Semiconductors: Mesoporous CdSe and CdTe Thin Films for Optoelectronic Applications. <i>Angewandte Chemie</i> , 2021, 133, 9746-9751.	1.6	4

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37	Liquid marble-based digital microfluidics – fundamentals and applications. <i>Lab on A Chip</i> , 2021, 21, 1199-1216.	3.1	41
38	Measuring the effective surface tension of a floating liquid marble using X-ray imaging. <i>Soft Matter</i> , 2021, 17, 4069-4076.	1.2	8
39	IgM and IgA augmented autoantibody signatures improve early-stage detection of colorectal cancer prior to nodal and distant spread. <i>Clinical and Translational Immunology</i> , 2021, 10, e1330.	1.7	13
40	Mechanobiology in cardiology: Micro- and nanotechnologies to probe mechanosignaling. <i>View</i> , 2021, 2, 20200080.	2.7	11
41	Physical Sensors: Thermal Sensors. , 2021, , .		1
42	2020 Micromachines Young Investigator Award: Announcement and Interview with the Winner. <i>Micromachines</i> , 2021, 12, 48.	1.4	0
43	Advances in ultrasensitive piezoresistive sensors: from conventional to flexible and stretchable applications. <i>Materials Horizons</i> , 2021, 8, 2123-2150.	6.4	61
44	In-air particle generation by on-chip electrohydrodynamics. <i>Lab on A Chip</i> , 2021, 21, 1779-1787.	3.1	11
45	A Wearable, Bending-Insensitive Respiration Sensor Using Highly Oriented Carbon Nanotube Film. <i>IEEE Sensors Journal</i> , 2021, 21, 7308-7315.	2.4	20
46	Localized Surface Plasmon Enhanced Laser Reduction of Graphene Oxide for Wearable Strain Sensor. <i>Advanced Materials Technologies</i> , 2021, 6, 2001191.	3.0	16
47	Microneedle Arrays for Sampling and Sensing Skin Interstitial Fluid. <i>Chemosensors</i> , 2021, 9, 83.	1.8	44
48	Effects of photogenerated-hole diffusion on 3C-SiC/Si heterostructure optoelectronic position-sensitive detector. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 265101.	1.3	13
49	Wide-Band-Gap Semiconductors for Biointegrated Electronics: Recent Advances and Future Directions. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1959-1981.	2.0	21
50	Electrospray propelled by ionic wind in a bipolar system for direct delivery of charge reduced nanoparticles. <i>Applied Physics Express</i> , 2021, 14, 055001.	1.1	9
51	AlGaN/GaN 2-D Electron Gas for Highly Sensitive and High-Temperature Current Sensing. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 1495-1500.	1.6	4
52	Bioengineered Polymer Nanobeads for Isolation and Electrochemical Detection of Cancer Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31418-31430.	4.0	23
53	Piezotronic effect in a normally off p-GaN/AlGaN/GaN HEMT toward highly sensitive pressure sensor. <i>Applied Physics Letters</i> , 2021, 118, 242104.	1.5	15
54	Multiplexed serpentine microchannels for high-throughput sorting of disseminated tumor cells from malignant pleural effusion. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129758.	4.0	34

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55	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. <i>Cancers</i> , 2021, 13, 3787.	1.7	1
56	Loop-Mediated Isothermal Amplification in a Core-Shell Bead Assay for the Detection of Tyrosine Kinase AXL Overexpression. <i>Micromachines</i> , 2021, 12, 905.	1.4	3
57	Piezoresistive Effect with a Gauge Factor of $18 \times 10^4$ in a Semiconductor Heterojunction Modulated by Bonded Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35046-35053.	4.0	11
58	Investigation of viscoelastic focusing of particles and cells in a zigzag microchannel. <i>Electrophoresis</i> , 2021, 42, 2230-2237.	1.3	10
59	Formation of core-shell droplets for the encapsulation of liquid contents. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	1.0	11
60	A Portable Device for LAMP Based Detection of SARS-CoV-2. <i>Micromachines</i> , 2021, 12, 1151.	1.4	8
61	Oscillating sessile liquid marble - A tool to assess effective surface tension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127176.	2.3	10
62	Quasi-solid-state self-assembly of 1D-branched ZnSe/ZnS quantum rods into parallel monorail-like continuous films for solar devices. <i>Nano Energy</i> , 2021, 89, 106348.	8.2	6
63	Sessile Liquid Marbles with Embedded Hydrogels as Bioreactors for Three-Dimensional Cell Culture. <i>Advanced Biology</i> , 2021, 5, 2000108.	1.4	4
64	Size-tuneable isolation of cancer cells using stretchable inertial microfluidics. <i>Lab on A Chip</i> , 2021, 21, 2008-2018.	3.1	21
65	Electrostatically excited liquid marble as a micromixer. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1386-1394.	1.9	13
66	Thermal and mechanical stabilities of Core-shell microparticles containing a liquid core. <i>Journal of Molecular Liquids</i> , 2021, 344, 117726.	2.3	4
67	Editorial for the Special Issue of 10th Anniversary of <i>Micromachines</i> . <i>Micromachines</i> , 2021, 12, 9.	1.4	1
68	Generation of a Charge Carrier Gradient in a 3C-SiC/Si Heterojunction with Asymmetric Configuration. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 55329-55338.	4.0	9
69	Modelling Sessile Droplet Profile Using Asymmetrical Ellipses. <i>Processes</i> , 2021, 9, 2081.	1.3	2
70	Seebeck coefficient in SiC/Si heterojunction for self-powered thermal sensor. , 2021, , .		1
71	Ultrasensitive strain sensor enhanced by Bonded Light Emitting Diodes. , 2021, , .		0
72	Design and fabrication of paper-based stretchable sensor for respiration monitoring. , 2021, , .		1

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73	Micromachines: 5000th Publications Milestone. <i>Micromachines</i> , 2021, 12, 1573.	1.4	0
74	Simple, Cost-Effective, and Continuous 3D Dielectrophoretic Microchip for Concentration and Separation of Bioparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3772-3783.	1.8	31
75	A tool for designing tree-like concentration gradient generators for lab-on-a-chip applications. <i>Chemical Engineering Science</i> , 2020, 212, 115339.	1.9	19
76	Critical Trapping Conditions for Floating Liquid Marbles. <i>Physical Review Applied</i> , 2020, 13, .	1.5	15
77	Stretching Induces Overexpression of RhoA and Rac1 GTPases in Breast Cancer Cells. <i>Advanced Biology</i> , 2020, 4, 1900222.	3.0	14
78	On-Demand Droplet Merging with an AC Electric Field for Multiple-Volume Droplet Generation. <i>Analytical Chemistry</i> , 2020, 92, 1147-1153.	3.2	19
79	Nanoarchitectonics for Wide Bandgap Semiconductor Nanowires: Toward the Next Generation of Nanoelectromechanical Systems for Environmental Monitoring. <i>Advanced Science</i> , 2020, 7, 2001294.	5.6	48
80	Magnetofluidic spreading in circular chambers under a uniform magnetic field. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	3
81	A new structure of Tesla coupled nozzle in synthetic jet micro-pump. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112296.	2.0	15
82	Capillarity: revisiting the fundamentals of liquid marbles. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	28
83	Core-shell microparticles: Generation approaches and applications. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 417-435.	1.5	79
84	Stretchable respiration sensors: Advanced designs and multifunctional platforms for wearable physiological monitoring. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112460.	5.3	129
85	Surface Modification Techniques for Endothelial Cell Seeding in PDMS Microfluidic Devices. <i>Biosensors</i> , 2020, 10, 182.	2.3	102
86	Micro Elastofluidics: Elasticity and Flexibility for Efficient Microscale Liquid Handling. <i>Micromachines</i> , 2020, 11, 1004.	1.4	12
87	RhoA and Rac1 in Liver Cancer Cells: Induction of Overexpression Using Mechanical Stimulation. <i>Micromachines</i> , 2020, 11, 729.	1.4	16
88	Wicking in Paper Strips under Consideration of Liquid Absorption Capacity. <i>Chemosensors</i> , 2020, 8, 65.	1.8	7
89	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. <i>Processes</i> , 2020, 8, 793.	1.3	60
90	Laser induced graphene for biosensors. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00205.	1.7	59

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91	Nanostructured mesoporous gold biosensor for microRNA detection at attomolar level. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112429.	5.3	48
92	An amplification-free method for the detection of HOTAIR long non-coding RNA. <i>Analytica Chimica Acta</i> , 2020, 1132, 66-73.	2.6	10
93	Stretchable Inertial Microfluidic Device for Tunable Particle Separation. <i>Analytical Chemistry</i> , 2020, 92, 12473-12480.	3.2	25
94	Core-Shell Beads as Microreactors for Phylogrouping of E. coli Strains. <i>Micromachines</i> , 2020, 11, 761.	1.4	8
95	PCR-Free Detection of Long Non-Coding HOTAIR RNA in Ovarian Cancer Cell Lines and Plasma Samples. <i>Cancers</i> , 2020, 12, 2233.	1.7	12
96	Functional Microarray Platform with Self-Assembled Monolayers on 3C-Silicon Carbide. <i>Langmuir</i> , 2020, 36, 13181-13192.	1.6	5
97	Detection of the SARS-CoV-2 humanized antibody with paper-based ELISA. <i>Analyst, The</i> , 2020, 145, 7680-7686.	1.7	62
98	A Versatile Sacrificial Layer for Transfer Printing of Wide Bandgap Materials for Implantable and Stretchable Bioelectronics. <i>Advanced Functional Materials</i> , 2020, 30, 2004655.	7.8	34
99	Mesoporous gold-silver alloy films towards amplification-free ultra-sensitive microRNA detection. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9512-9523.	2.9	27
100	Engineering Micropatterned Surfaces for Controlling the Evaporation Process of Sessile Droplets. <i>Technologies</i> , 2020, 8, 29.	3.0	3
101	Lapatinib inhibits doxorubicin induced migration of HER2-positive breast cancer cells. <i>Inflammopharmacology</i> , 2020, 28, 1375-1386.	1.9	6
102	Surfactant-free, UV-curable core-shell microcapsules in a hydrophilic PDMS microfluidic device. <i>AIP Advances</i> , 2020, 10, .	0.6	10
103	Optothermotronic effect as an ultrasensitive thermal sensing technology for solid-state electronics. <i>Science Advances</i> , 2020, 6, eaay2671.	4.7	19
104	Optoelectronic Enhancement for Piezoresistive Pressure Sensor. , 2020, , .		3
105	Controllable droplet generation at a microfluidic T-junction using AC electric field. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	9
106	Laser induced self-N-doped porous graphene as an electrochemical biosensor for femtomolar miRNA detection. <i>Carbon</i> , 2020, 163, 385-394.	5.4	118
107	Core-Shell Beads Made by Composite Liquid Marble Technology as A Versatile Microreactor for Polymerase Chain Reaction. <i>Micromachines</i> , 2020, 11, 242.	1.4	31
108	Opto-electronic coupling in semiconductors: towards ultrasensitive pressure sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4713-4721.	2.7	22

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109	Highly-doped SiC resonator with ultra-large tuning frequency range by Joule heating effect. <i>Materials and Design</i> , 2020, 194, 108922.	3.3	12
110	Inertial Microfluidic Purification of Floating Cancer Cells for Drug Screening and Three-Dimensional Tumor Models. <i>Analytical Chemistry</i> , 2020, 92, 11558-11564.	3.2	20
111	Self-powered monolithic accelerometer using a photonic gate. <i>Nano Energy</i> , 2020, 76, 104950.	8.2	18
112	Porous scaffolds for bone regeneration. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 1-9.	1.5	328
113	Advances in Rational Design and Materials of High-Performance Stretchable Electromechanical Sensors. <i>Small</i> , 2020, 16, e1905707.	5.2	46
114	Challenges and perspectives in the development of paper-based lateral flow assays. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	63
115	Calcium phosphate stability on melt electrowritten PCL scaffolds. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 30-39.	1.5	8
116	Ensembles of Photonic Beads: Optical Properties and Enhanced Light-Matter Interactions. <i>Advanced Optical Materials</i> , 2020, 8, 1901537.	3.6	16
117	Lithography and Etching-Free Microfabrication of Silicon Carbide on Insulator Using Direct UV Laser Ablation. <i>Advanced Engineering Materials</i> , 2020, 22, 1901173.	1.6	7
118	High temperature silicon-carbide-based flexible electronics for monitoring hazardous environments. <i>Journal of Hazardous Materials</i> , 2020, 394, 122486.	6.5	15
119	Direct Measurement of the Contents, Thickness, and Internal Pressure of Molybdenum Disulfide Nanoblisters. <i>Nano Letters</i> , 2020, 20, 3478-3484.	4.5	14
120	ScAlN/3C-SiC/Si platform for monolithic integration of highly sensitive piezoelectric and piezoresistive devices. <i>Applied Physics Letters</i> , 2020, 116, 132902.	1.5	7
121	Flexible and Wearable Flow Sensor Using Spinnable Carbon Nanotube Nanofilm for Respiration Monitoring. , 2020, , .		3
122	Hydrogels as artificial matrices for cell seeding in microfluidic devices. <i>RSC Advances</i> , 2020, 10, 43682-43703.	1.7	62
123	Technological Development “ Droplet as a Tool. <i>RSC Soft Matter</i> , 2020, , 45-88.	0.2	0
124	Liquid marbles as biochemical reactors for the polymerase chain reaction. <i>Lab on A Chip</i> , 2019, 19, 3220-3227.	3.1	44
125	Nanoarchitected peroxidase-mimetic nanozymes: mesoporous nanocrystalline $\hat{1}\pm$ - or $\hat{1}^3$ -iron oxide?. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5412-5422.	2.9	72
126	Long-Lived, Transferred Crystalline Silicon Carbide Nanomembranes for Implantable Flexible Electronics. <i>ACS Nano</i> , 2019, 13, 11572-11581.	7.3	101



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127	Sheathless separation of microalgae from bacteria using a simple straight channel based on viscoelastic microfluidics. <i>Lab on A Chip</i> , 2019, 19, 2811-2821.	3.1	42
128	Microfluidic-Based Nucleic Acid Amplification Systems in Microbiology. <i>Micromachines</i> , 2019, 10, 408.	1.4	51
129	Synthesis of nanoporous poly-melamine-formaldehyde (PMF) based on Schiff base chemistry as a highly efficient adsorbent. <i>Analyst</i> , The, 2019, 144, 342-348.	1.7	14
130	Demonstration of Electron/Hole Injections in the Gate of $p$ -GaN/AlGaIn/GaN Power Transistors and Their Effect on Device Dynamic Performance. , 2019, , .		10
131	Three-Dimensional Modeling of Avascular Tumor Growth in Both Static and Dynamic Culture Platforms. <i>Micromachines</i> , 2019, 10, 580.	1.4	17
132	Paper-Based Electronics Using Graphite and Silver Nanoparticles for Respiration Monitoring. <i>IEEE Sensors Journal</i> , 2019, 19, 11784-11790.	2.4	30
133	Ultra-Sensitive OPTO-Piezoresistive Sensors Utilising 3C-SiC/Si Heterostructures. , 2019, , .		3
134	Giant piezoresistive effect by optoelectronic coupling in a heterojunction. <i>Nature Communications</i> , 2019, 10, 4139.	5.8	46
135	The stress-strain relationship of liquid marbles under compression. <i>Applied Physics Letters</i> , 2019, 114, 043701.	1.5	24
136	Thermoresistance of $p$ -Type 4H-SiC Integrated MEMS Devices for High-Temperature Sensing. <i>Advanced Engineering Materials</i> , 2019, 21, 1801049.	1.6	11
137	Fundamentals of Differential Particle Inertial Focusing in Symmetric Sinusoidal Microchannels. <i>Analytical Chemistry</i> , 2019, 91, 4077-4084.	3.2	51
138	Nanoarchitecture Frameworks for Electrochemical miRNA Detection. <i>Trends in Biochemical Sciences</i> , 2019, 44, 433-452.	3.7	115
139	A hot-film air flow sensor for elevated temperatures. <i>Review of Scientific Instruments</i> , 2019, 90, 015007.	0.6	13
140	Novel approaches in cancer management with circulating tumor cell clusters. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 1-18.	1.5	41
141	Numerical simulation of combined natural and thermomagnetic convection around a current carrying wire in ferrofluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165383.	1.0	15
142	Accurate dielectrophoretic positioning of a floating liquid marble with a two-electrode configuration. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	17
143	Transparent crystalline cubic SiC-on-glass electrodes enable simultaneous electrochemistry and optical microscopy. <i>Chemical Communications</i> , 2019, 55, 7978-7981.	2.2	5
144	Modeling of mass transfer enhancement in a magnetofluidic micromixer. <i>Physics of Fluids</i> , 2019, 31, .	1.6	27

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145	An automated on-demand liquid marble generator based on electrohydrodynamic pulling. <i>Review of Scientific Instruments</i> , 2019, 90, 055102.	0.6	17
146	Autoantibodies as diagnostic and prognostic cancer biomarker: Detection techniques and approaches. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111315.	5.3	53
147	Dielectrophoretic Trapping of a Floating Liquid Marble. <i>Physical Review Applied</i> , 2019, 11, .	1.5	24
148	Impact of carrier injections on the threshold voltage in p-GaN gate AlGaIn/GaN power HEMTs. <i>Applied Physics Express</i> , 2019, 12, 064001.	1.1	9
149	Stretching cells “ An approach for early cancer diagnosis. <i>Experimental Cell Research</i> , 2019, 378, 191-197.	1.2	18
150	Polyacrylonitrile-carbon Nanotube-polyacrylonitrile: A Versatile Robust Platform for Flexible Multifunctional Electronic Devices in Medical Applications. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900014.	1.7	17
151	Effects of magnetic nanoparticles on mixing in droplet-based microfluidics. <i>Physics of Fluids</i> , 2019, 31, .	1.6	45
152	Avoiding Pre-Isolation Step in Exosome Analysis: Direct Isolation and Sensitive Detection of Exosomes Using Gold-Loaded Nanoporous Ferric Oxide Nanozymes. <i>Analytical Chemistry</i> , 2019, 91, 3827-3834.	3.2	209
153	Biophysical properties of cells for cancer diagnosis. <i>Journal of Biomechanics</i> , 2019, 86, 1-7.	0.9	15
154	Dependence of offset voltage in AlGaIn/GaN van der Pauw devices under mechanical strain. <i>Materials Letters</i> , 2019, 244, 66-69.	1.3	4
155	Wireless Battery-Free SiC Sensors Operating in Harsh Environments Using Resonant Inductive Coupling. <i>IEEE Electron Device Letters</i> , 2019, 40, 609-612.	2.2	12
156	Influence of Interfacial Gas Enrichment on Controlled Coalescence of Oil Droplets in Water in Microfluidics. <i>Langmuir</i> , 2019, 35, 3615-3623.	1.6	15
157	Microfluidic Array Chip for Parallel Detection of Waterborne Bacteria. <i>Micromachines</i> , 2019, 10, 883.	1.4	13
158	Automatic Live and Dead Cell Classification via Hyperspectral Imaging. , 2019, , .		2
159	Flexible Microfluidics: Fundamentals, Recent Developments, and Applications. <i>Micromachines</i> , 2019, 10, 830.	1.4	130
160	Advanced liquid biopsy technologies for circulating biomarker detection. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6670-6704.	2.9	118
161	Investigation of heat transfer in a microchannel with same heat capacity rate. <i>Heat and Mass Transfer</i> , 2019, 55, 899-909.	1.2	2
162	A bisulfite treatment and PCR-free global DNA methylation detection method using electrochemical enzymatic signal engagement. <i>Biosensors and Bioelectronics</i> , 2019, 126, 102-107.	5.3	37

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