

# Wen Jung Li

## List of Publications by Year in descending order

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284  
papers

4,833  
citations

117453

34  
h-index

143772

57  
g-index

294  
all docs

294  
docs citations

294  
times ranked

4628  
citing authors

#	ARTICLE	IF	CITATIONS
1	MEMS Accelerometer Based Nonspecific-User Hand Gesture Recognition. <i>IEEE Sensors Journal</i> , 2012, 12, 1166-1173.	2.4	204
2	A laser-micromachined multi-modal resonating power transducer for wireless sensing systems. <i>Sensors and Actuators A: Physical</i> , 2002, 97-98, 685-690.	2.0	184
3	Light-sheet microscopy in the near-infrared II window. <i>Nature Methods</i> , 2019, 16, 545-552.	9.0	151
4	Scanning superlens microscopy for non-invasive large field-of-view visible light nanoscale imaging. <i>Nature Communications</i> , 2016, 7, 13748.	5.8	141
5	An integrated MEMS three-dimensional tactile sensor with large force range. <i>Sensors and Actuators A: Physical</i> , 2000, 80, 155-162.	2.0	128
6	Mobile Human Airbag System for Fall Protection Using MEMS Sensors and Embedded SVM Classifier. <i>IEEE Sensors Journal</i> , 2009, 9, 495-503.	2.4	122
7	Haptic information in Internet-based teleoperation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2001, 6, 295-304.	3.7	114
8	Optimizing sonication parameters for dispersion of single-walled carbon nanotubes. <i>Chemical Physics</i> , 2012, 408, 11-16.	0.9	111
9	Dielectrophoretic Batch Fabrication of Bundled Carbon Nanotube Thermal Sensors. <i>IEEE Nanotechnology Magazine</i> , 2004, 3, 395-403.	1.1	108
10	Polymer MEMS Actuators for Underwater Micromanipulation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2004, 9, 334-342.	3.7	103
11	Microfluidic channel fabrication by PDMS-interface bonding. <i>Smart Materials and Structures</i> , 2006, 15, S112-S116.	1.8	102
12	Ultralow-Power Alcohol Vapor Sensors Using Chemically Functionalized Multiwalled Carbon Nanotubes. <i>IEEE Nanotechnology Magazine</i> , 2007, 6, 571-577.	1.1	98
13	Visual-Based Impedance Control of Out-of-Plane Cell Injection Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2009, 6, 565-571.	3.4	96
14	Rapid assembly of carbon nanotubes for nanosensing by dielectrophoretic force. <i>Nanotechnology</i> , 2004, 15, S672-S677.	1.3	79
15	Three-Dimensional Super-Resolution Morphology by Near-Field Assisted White-Light Interferometry. <i>Scientific Reports</i> , 2016, 6, 24703.	1.6	79
16	Microwave bonding of polymer-based substrates for potential encapsulated micro/nanofluidic device fabrication. <i>Sensors and Actuators A: Physical</i> , 2004, 114, 340-346.	2.0	76
17	In situ printing of liquid superlenses for subdiffraction-limited color imaging of nanobiostructures in nature. <i>Microsystems and Nanoengineering</i> , 2019, 5, 1.	3.4	67
18	Determination of Cell Membrane Capacitance and Conductance via Optically Induced Electrokinetics. <i>Biophysical Journal</i> , 2017, 113, 1531-1539.	0.2	66

#	ARTICLE	IF	CITATIONS
19	Enabling High Efficiency of Hydrocarbon-Solvent Processed Organic Solar Cells through Balanced Charge Generation and Non-Radiative Loss. <i>Advanced Energy Materials</i> , 2021, 11, 2101768.	10.2	61
20	A wind-flutter energy converter for powering wireless sensors. <i>Sensors and Actuators A: Physical</i> , 2012, 173, 163-171.	2.0	60
21	IoT for Next-Generation Racket Sports Training. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4558-4566.	5.5	58
22	Volleyball Skill Assessment Using a Single Wearable Micro Inertial Measurement Unit at Wrist. <i>IEEE Access</i> , 2018, 6, 13758-13765.	2.6	57
23	2D Human Gesture Tracking and Recognition by the Fusion of MEMS Inertial and Vision Sensors. <i>IEEE Sensors Journal</i> , 2014, 14, 1160-1170.	2.4	56
24	An AA-Sized Vibration-Based Microgenerator for Wireless Sensors. <i>IEEE Pervasive Computing</i> , 2007, 6, 64-72.	1.1	55
25	Super-Resolution Real Imaging in Microsphere-Assisted Microscopy. <i>PLoS ONE</i> , 2016, 11, e0165194.	1.1	52
26	Self-Rotation of Cells in an Irrotational AC E-Field in an Opto-Electrokinetics Chip. <i>PLoS ONE</i> , 2013, 8, e51577.	1.1	50
27	A Review of Automated Microinjection of Zebrafish Embryos. <i>Micromachines</i> , 2019, 10, 7.	1.4	45
28	A micro shear stress sensor based on laterally aligned carbon nanotubes. <i>Sensors and Actuators A: Physical</i> , 2007, 133, 431-438.	2.0	44
29	Graphene-Based Glucose Sensors: A Brief Review. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 818-834.	2.2	44
30	Rapid determination of cell mass and density using digitally controlled electric field in a microfluidic chip. <i>Lab on A Chip</i> , 2014, 14, 4426-4434.	3.1	42
31	Extracellular-controlled breast cancer cell formation and growth using non-UV patterned hydrogels via optically-induced electrokinetics. <i>Lab on A Chip</i> , 2014, 14, 1367.	3.1	42
32	Two-dimensional biosensor arrays based on surface plasmon resonance phase imaging. <i>Applied Optics</i> , 2007, 46, 2325.	2.1	40
33	Optical Spectrum and Electric Field Waveform Dependent Optically-Induced Dielectrophoretic (ODEP) Micro-Manipulation. <i>Micromachines</i> , 2012, 3, 492-508.	1.4	40
34	Simultaneous separation and concentration of micro- and nano-particles by optically induced electrokinetics. <i>Sensors and Actuators A: Physical</i> , 2013, 193, 103-111.	2.0	37
35	Micromachining of complex channel systems in 3D quartz substrates using Q-switched Nd:YAG laser. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 773-777.	1.1	35
36	Detection and isolation of free cancer cells from ascites and peritoneal lavages using optically induced electrokinetics (OEK). <i>Science Advances</i> , 2020, 6, eaba9628.	4.7	34

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37	Dielectrophoretically-assisted electroporation using light-activated virtual microelectrodes for multiple DNA transfection. <i>Lab on A Chip</i> , 2014, 14, 592-601.	3.1	32
38	Super-resolution endoscopy for real-time wide-field imaging. <i>Optics Express</i> , 2015, 23, 16803.	1.7	31
39	Sensors and actuators on non-planar substrates. <i>Sensors and Actuators A: Physical</i> , 1999, 73, 80-88.	2.0	30
40	A novel PVDF microforce/force rate sensor for practical applications in micromanipulation. <i>Sensor Review</i> , 2004, 24, 274-283.	1.0	30
41	Rapid and Label-Free Separation of Burkitt's Lymphoma Cells from Red Blood Cells by Optically-Induced Electrokinetics. <i>PLoS ONE</i> , 2014, 9, e90827.	1.1	30
42	<title>Silicon bulk micromachined vibratory gyroscope for microspacecraft</title>. , 1996, , .		29
43	Measurement of single leukemia cell's density and mass using optically induced electric field in a microfluidics chip. <i>Biomicrofluidics</i> , 2015, 9, 022406.	1.2	29
44	Stretchable Sweat-Activated Battery in Skin-Integrated Electronics for Continuous Wireless Sweat Monitoring. <i>Advanced Science</i> , 2022, 9, e2104635.	5.6	29
45	Gesture recognition for interactive controllers using MEMS motion sensors. , 2009, , .		28
46	Automated Parallel Electrical Characterization of Cells Using Optically-Induced Dielectrophoresis. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 1084-1092.	3.4	27
47	Hand-written character recognition using MEMS motion sensing technology. , 2008, , .		26
48	Bulk carbon nanotubes as sensing element for temperature and anemometry micro sensing. , 0, , .		25
49	Visual-based Impedance Force Control of Three-dimensional Cell Injection System. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	25
50	Analysis and design of a self-powered piezoelectric microaccelerometer. , 2005, 5763, 233.		24
51	Fabrication of Micrometer- and Nanometer-Scale Polymer Structures by Visible Light Induced Dielectrophoresis (DEP) Force. <i>Micromachines</i> , 2011, 2, 431-442.	1.4	24
52	Wireless IoT Motion-Recognition Rings and a Paper Keyboard. <i>IEEE Access</i> , 2019, 7, 44514-44524.	2.6	24
53	Single-Wall Carbon Nanotube-Coated Cotton Yarn for Electrocardiography Transmission. <i>Micromachines</i> , 2018, 9, 132.	1.4	23
54	A Laser-micromachined Vibrational to Electrical Power Transducer for Wireless Sensing Systems. , 2001, , 38-41.		23

#	ARTICLE	IF	CITATIONS
55	An Optical-Tracking Calibration Method for MEMS-Based Digital Writing Instrument. IEEE Sensors Journal, 2010, 10, 1543-1551.	2.4	22
56	Towards an ubiquitous wireless digital writing instrument using MEMS motion sensing technology. , 0, , .		21
57	Identification of ankle sprain motion from common sporting activities by dorsal foot kinematics data. Journal of Biomechanics, 2010, 43, 1965-1969.	0.9	21
58	Development of an Indoor Airflow Energy Harvesting System for Building Environment Monitoring. Energies, 2014, 7, 2985-3003.	1.6	21
59	Rapidly patterning micro/nano devices by directly assembling ions and nanomaterials. Scientific Reports, 2016, 6, 32106.	1.6	21
60	Continuous Monitoring of Train Parameters Using IoT Sensor and Edge Computing. IEEE Sensors Journal, 2021, 21, 15458-15468.	2.4	21
61	Effects of contact-stress on hot-embossed PMMA microchannel wall profile. Microsystem Technologies, 2005, 11, 353-357.	1.2	20
62	A Calibration Method for MEMS Inertial Sensors Based on Optical Tracking. , 2007, , .		20
63	Improving Atomic Force Microscopy Imaging by a Direct Inverse Asymmetric PI Hysteresis Model. Sensors, 2015, 15, 3409-3425.	2.1	20
64	Optically-controlled digital electrodeposition of thin-film metals for fabrication of nano-devices. Optical Materials Express, 2015, 5, 838.	1.6	20
65	A Review of Electrochemical Sensors for the Detection of Glycated Hemoglobin. Biosensors, 2022, 12, 221.	2.3	20
66	Development of a Human Airbag System for Fall Protection Using MEMS Motion Sensing Technology. , 2006, , .		19
67	Carbon nanotubeâ€sensorâ€integrated microfluidic platform for realâ€time chemical concentration detection. Electrophoresis, 2009, 30, 3198-3205.	1.3	19
68	Silver nanostructures synthesis via optically induced electrochemical deposition. Scientific Reports, 2016, 6, 28035.	1.6	19
69	Estimation of Pedestrian Altitude Inside a Multi-Story Building Using an Integrated Micro-IMU and Barometer Device. IEEE Access, 2019, 7, 84680-84689.	2.6	19
70	A high sensitivity force sensor for microassembly: design and experiments. , 0, , .		18
71	An Attitude Compensation Technique for a MEMS Motion Sensor Based Digital Writing Instrument. , 2006, , .		18
72	A vortex pump-based optically-transparent microfluidic platform for biotech and medical applications. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2007, 221, 129-141.	1.0	18

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73	3-D Non-UV Digital Printing of Hydrogel Microstructures by Optically Controlled Digital Electropolymerization. <i>Journal of Microelectromechanical Systems</i> , 2015, 24, 2128-2135.	1.7	18
74	Spatial Manipulation and Assembly of Nanoparticles by Atomic Force Microscopy Tip-Induced Dielectrophoresis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16715-16724.	4.0	18
75	Three-Dimensional Calcium Alginate Hydrogel Assembly via TiOPc-Based Light-Induced Controllable Electrodeposition. <i>Micromachines</i> , 2017, 8, 192.	1.4	18
76	KL probes for robotic-based cellular nano surgery. , 2003, , .		17
77	Micro ICPF actuators for aqueous sensing and manipulation. <i>Sensors and Actuators A: Physical</i> , 2004, 114, 406-412.	2.0	17
78	A Review on Microscopic Visual Servoing for Micromanipulation Systems: Applications in Micromanufacturing, Biological Injection, and Nanosensor Assembly. <i>Micromachines</i> , 2019, 10, 843.	1.4	17
79	Process characterization of fabricating 3D micro channel systems by laser-micromachining. <i>Sensors and Actuators A: Physical</i> , 2002, 97-98, 749-757.	2.0	16
80	A Digitally Controllable Polymer-Based Microfluidic Mixing Module Array. <i>Micromachines</i> , 2012, 3, 279-294.	1.4	16
81	Distinguishing cells by their first-order transient motion response under an optically induced dielectrophoretic force field. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	16
82	Towards batch fabrication of bundled carbon nanotube thermal sensors. , 0, , .		15
83	Development of an automated microspotting system for rapid dielectrophoretic fabrication of bundled carbon nanotube sensors. <i>IEEE Transactions on Automation Science and Engineering</i> , 2006, 3, 218-227.	3.4	15
84	A Visual Impedance Force Control of A Robotic Cell Injection System. , 2006, , .		15
85	Ultra-Low-Powered Aqueous Shear Stress Sensors Based on Bulk EG-CNTs Integrated in Microfluidic Systems. <i>IEEE Nanotechnology Magazine</i> , 2008, 7, 565-572.	1.1	15
86	Rapid Fabrication of Nanomaterial Electrodes Using Digitally Controlled Electrokinetics. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 245-253.	1.1	15
87	Photonic Nanojet Sub-Diffraction Nano-Fabrication With <i>in situ</i> Super-Resolution Imaging. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 226-233.	1.1	15
88	Design and simulation of self-powered radio frequency identification (RFID) tags for mobile temperature monitoring. <i>Science China Technological Sciences</i> , 2013, 56, 1-7.	2.0	14
89	Adaptive 3D Position Estimation of Pedestrians by Wearing One Ankle Sensor. <i>IEEE Sensors Journal</i> , 2020, 20, 11642-11651.	2.4	14
90	Visible light induced electropolymerization of suspended hydrogel bioscaffolds in a microfluidic chip. <i>Biomaterials Science</i> , 2018, 6, 1371-1378.	2.6	13

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91	Wireless Rail Fastener Looseness Detection Based on MEMS Accelerometer and Vibration Entropy. IEEE Sensors Journal, 2020, 20, 3226-3234.	2.4	13
92	The Principle and Architectures of Optical Stress Sensors and the Progress on the Development of Microbend Optical Sensors. Advanced Optical Materials, 2021, 9, 2001693.	3.6	13
93	DEPENDENCE OF AC ELECTROPHORESIS CARBON NANOTUBE MANIPULATION ON MICROELECTRODE GEOMETRY. International Journal of Nonlinear Sciences and Numerical Simulation, 2002, 3, .	0.4	12
94	Internet-based remote assembly of micro-electro-mechanical systems (MEMS). Assembly Automation, 2004, 24, 289-296.	1.0	12
95	Fabrication of CNT-based MEMS piezoresistive pressure sensors using DEP nanoassembly. , 0, , .		12
96	Limitations of Au Particle Nanoassembly Using Dielectrophoretic Force—A Parametric Experimental and Theoretical Study. IEEE Nanotechnology Magazine, 2008, 7, 477-479.	1.1	12
97	A fluttering-to-electrical energy transduction system for consumer electronics applications. , 2009, , .		12
98	Rapid assembly of gold nanoparticle-based microstructures using optically-induced electrokinetics. Optical Materials Express, 2014, 4, 2368.	1.6	12
99	Towards a Virtual Keyboard Scheme Based on Wearing One Motion Sensor Ring on Each Hand. IEEE Sensors Journal, 2021, 21, 3379-3387.	2.4	12
100	Contact and force control in microassembly. , 0, , .		11
101	Towards HMM based human motion recognition using MEMS inertial sensors. , 2009, , .		11
102	Real-time written-character recognition using MEMS motion sensors: Calibration and experimental results. , 2009, , .		11
103	An equivalent electrical model for numerical analyses of ODEP manipulation. , 2011, , .		11
104	Gold nano-particle-based thermal sensors fabricated using microspotting and DEP techniques. Sensors and Actuators A: Physical, 2012, 178, 32-39.	2.0	11
105	Hand-Writing Motion Tracking with Vision-Inertial Sensor Fusion: Calibration and Error Correction. Sensors, 2014, 14, 15641-15657.	2.1	11
106	Fabrication of all-transparent polymer-based and encapsulated nanofluidic devices using nano-indentation lithography. Microsystems and Nanoengineering, 2017, 3, 16084.	3.4	11
107	Accurate Extraction of the Self-Rotational Speed for Cells in an Electrokinetics Force Field by an Image Matching Algorithm. Micromachines, 2017, 8, 282.	1.4	11
108	Real-time red blood cell counting and osmolarity analysis using a photoacoustic-based microfluidic system. Lab on A Chip, 2021, 21, 2586-2593.	3.1	11

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109	ANN-Enhanced IoT Wristband for Recognition of Player Identity and Shot Types Based on Basketball Shooting Motion Analysis. <i>IEEE Sensors Journal</i> , 2022, 22, 1404-1413.	2.4	11
110	Design and fabrication of a micro thermal actuator for cellular grasping. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2004, 20, 132-139.	1.5	10
111	Ultra-Low-Power Alcohol Vapor Sensors Based on Multi-Walled Carbon Nanotube. , 2006, , .		10
112	Inducing self-rotation of cells with natural and artificial melanin in a linearly polarized alternating current electric field. <i>Biomicrofluidics</i> , 2013, 7, 054112.	1.2	10
113	Non-ultraviolet-based patterning of polymer structures by optically induced electrohydrodynamic instability. <i>Applied Physics Letters</i> , 2013, 103, 214101.	1.5	10
114	Exploring pulse-voltage-triggered optically induced electrohydrodynamic instability for femtolitre droplet generation. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	10
115	Optoelectrokinetics-based microfluidic platform for bioapplications: A review of recent advances. <i>Biomicrofluidics</i> , 2019, 13, 051502.	1.2	10
116	Scanning Super-Resolution Imaging in Enclosed Environment by Laser Tweezer Controlled Superlens. <i>Biophysical Journal</i> , 2020, 119, 2451-2460.	0.2	10
117	A Review on Optoelectrokinetics-Based Manipulation and Fabrication of Micro/Nanomaterials. <i>Micromachines</i> , 2020, 11, 78.	1.4	10
118	Surface Stability of Epitaxial Elastic Films by the Casimir Force. <i>Chinese Physics Letters</i> , 2002, 19, 1161-1163.	1.3	9
119	A Novel Real-Time Error Compensation Methodology for &#x003BC;IMU-based Digital Writing Instrument. , 2006, , .		9
120	Editorial Recent Development in Nanoscale Manipulation and Assembly. <i>IEEE Transactions on Automation Science and Engineering</i> , 2006, 3, 194-198.	3.4	9
121	A programmable AFM-based nanomanipulation method using vibration-mode operation. , 2008, , .		9
122	A carbon nanotube sensor for wall shear stress measurement. <i>Experiments in Fluids</i> , 2010, 48, 679-691.	1.1	9
123	A pulse-sensing robotic hand for tactile arterial palpation. , 2016, , .		9
124	Determination of the Three-Dimensional Rate of Cancer Cell Rotation in an Optically-Induced Electrokinetics Chip Using an Optical Flow Algorithm. <i>Micromachines</i> , 2018, 9, 118.	1.4	9
125	Microliter Sample Insulin Detection Using a Screen-Printed Electrode Modified by Nickel Hydroxide. <i>ACS Omega</i> , 2020, 5, 6169-6176.	1.6	9
126	Development of force-feedback-controlled Nafion micromanipulators. , 2001, , .		8



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127	A Biomimetic Flying Silicon Microchip: Feasibility Study. , 0, , .		8
128	Formation of Au Colloidal Crystals for Optical Sensing by DEP-Based Nano-Assembly. , 2007, , .		8
129	Optically induced electrohydrodynamic instability-based micro-patterning of fluidic thin films. Microfluidics and Nanofluidics, 2014, 16, 1097-1106.	1.0	8
130	An Explicable Keystroke Recognition Algorithm for Customizable Ring-Type Keyboards. IEEE Access, 2020, 8, 22933-22944.	2.6	8
131	Flow Rate Measurement Inside Polymer Microfluidic Systems Using Carbon Nanotube Sensors. , 0, , .		7
132	Carbon Nanotubes as Heating Elements for Micro-Bubble Generation. , 2006, , .		7
133	Integrated SWCNT sensors in micro-wind tunnel for air-flow shear-stress measurement. Microfluidics and Nanofluidics, 2010, 8, 631-640.	1.0	7
134	Self-induced rotation of pigmented cells by dielectrophoretic force field. , 2011, , .		7
135	An asymmetric PI hysteresis model for piezoceramics in nanoscale AFM imaging. , 2011, , .		7
136	Automated Rotation Rate Tracking of Pigmented Cells by a Customized Block-Matching Algorithm. Journal of the Association for Laboratory Automation, 2013, 18, 161-170.	2.8	7
137	Fabrication of High-Aspect-Ratio 3D Hydrogel Microstructures Using Optically Induced Electrokinetics. Micromachines, 2016, 7, 65.	1.4	7
138	Quantitative Evaluation of Gymnastics Based on Multiple MEMS Sensors. IEEE Sensors Journal, 2021, 21, 24531-24539.	2.4	7
139	A micropolysilicon high-angular-rate sensor with off-chip wireless transmission. Sensors and Actuators A: Physical, 2001, 89, 56-63.	2.0	6
140	Kwong-Li probes: novel nano-probes for biological dissection and injection. , 0, , .		6
141	Towards a mobile airbag system using MEMS sensors and embedded intelligence. , 2007, , .		6
142	Design and Modeling of a CNT-CMOS Low-Power Sensor Chip. , 2007, , .		6
143	Microbubble Generation Using Carbon Nanotubes Heating Elements. IEEE Nanotechnology Magazine, 2011, 10, 520-527.	1.1	6
144	Simultaneous purification and surface plasmon resonance characterization of mechanoresponsive, discretely functionalized gold nanoparticles. Journal of Materials Chemistry, 2011, 21, 8317.	6.7	6

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145	Controlling SWCNT assembling density by electrokinetics. Sensors and Actuators A: Physical, 2013, 201, 36-42.	2.0	6
146	Droplet-based dielectrophoresis device for on-chip nanomedicine fabrication and improved gene delivery efficiency. Microfluidics and Nanofluidics, 2015, 19, 235-243.	1.0	6
147	Mechanically Modulated Dewetting by Atomic Force Microscope for Micro- and Nano- Droplet Array Fabrication. Scientific Reports, 2014, 4, 6524.	1.6	6
148	Transmission of multimedia information on micro environment via Internet. , 0, , .		5
149	Dynamical Modeling and Simulation of a Laser-micromachined Vibration-based Micro Power Generator. International Journal of Nonlinear Sciences and Numerical Simulation, 2000, 1, .	0.4	5
150	Micro-bubble generation with micro-watt power using Carbon Nanotubes heating elements. , 2007, , .		5
151	Reusable CNTs-based chemical sensors. , 2009, , .		5
152	A Picowatt Powered Carbon-Nanotube-Based Thermal Convective Motion Sensor. IEEE Nanotechnology Magazine, 2011, 10, 923-925.	1.1	5
153	Atomization of High-Viscosity Fluids for Aromatherapy Using Micro-heaters for Heterogeneous Bubble Nucleation. Scientific Reports, 2017, 7, 40289.	1.6	5
154	Rapid Assembly of Carbon Nanoparticles Into Electrical Elements by Optically-Induced Electroosmotic Flow. IEEE Nanotechnology Magazine, 2018, 17, 1045-1052.	1.1	5
155	Detection of micro/nano-particle concentration using modulated light-emitting diode white light source. Sensors and Actuators A: Physical, 2019, 285, 89-97.	2.0	5
156	A Microfluidic Device With Optically-Controlled Electrodes for On-Demand Electrical Impedance Measurement of Targeted Single Cells. Journal of Microelectromechanical Systems, 2020, 29, 1563-1569.	1.7	5
157	Wireless AI-Powered IoT Sensors for Laboratory Mice Behavior Recognition. IEEE Internet of Things Journal, 2022, 9, 1899-1912.	5.5	5
158	Micro Nafion Actuators for Cellular Motion Control and Underwater Manipulation. , 2001, , 471-480.		5
159	Rapid nanomolding of nanotopography on flexible substrates to control muscle cell growth with enhanced maturation. Microsystems and Nanoengineering, 2021, 7, 89.	3.4	5
160	Measurement methods of single cell drug response. Talanta, 2022, 239, 123035.	2.9	5
161	Analysis of nano channel formation in quartz cubes by laser-induced process. Acta Mechanica Sinica/Lixue Xuebao, 2004, 20, 125-131.	1.5	4
162	AFM operating-drift detection and analyses based on automated sequential image processing. , 2007, , .		4

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163	Theoretical analysis based on particle electro-mechanics for Au Pearl Chain Formation. , 2007, , .		4
164	Experimental studies and parametric modeling of ionic flyers. , 2007, , .		4
165	Handwriting tracking based on coupled IMU/electromagnetic resonance motion detection. , 2007, , .		4
166	Towards an electric-powered air-gliding skateboard. , 2008, , .		4
167	Constant-power operation of functionalized carbon nanotube sensors for alcohol vapor detection. , 2008, , .		4
168	Integrated CNT sensors in polymer microchannel for gas-flow shear-stress measurement. , 2008, , .		4
169	Nanoscale welding by AFM tip induced electric field. , 2009, , .		4
170	Pico-watts thermal convective accelerometer based on CNT sensing element. , 2010, , .		4
171	Real-time hand-writing tracking and recognition by integrated micro motion and vision sensors platform. , 2012, , .		4
172	Inducing self-rotation of Melan-a cells by ODEP. , 2012, , .		4
173	Improving Carbon Nanotubes Sensor Time Response and Responsivity Using Constant-Power Activation. IEEE Nanotechnology Magazine, 2012, 11, 624-632.	1.1	4
174	Manipulation of DNA origami nanotubes in liquid using programmable tapping-mode atomic force microscopy. Micro and Nano Letters, 2013, 8, 641-645.	0.6	4
175	Elasticity measurement of DNA origami nanotube in liquid with tapping mode AFM. , 2014, , .		4
176	Fabrication of Complex Micro Channel Systems Inside Optically-Transparent 3D Substrates by Laser Processing. , 2001, , 1596-1599.		4
177	Nanoscale Particles and Multifunctional Hybrid Soft Nanomaterials in Bio/Nanomedicine. , 2020, , 1-58.		4
178	Sphygmopalpation Using Tactile Robotic Fingers Reveals Fundamental Arterial Pulse Patterns. IEEE Access, 2022, 10, 12252-12261.	2.6	4
179	MEMS-fabricated ICPF actuators for biological manipulation. , 2003, 5051, 332.		3
180	Automated micro-assembly of optical mems structure by centrifugal force. , 0, , .		3

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181	Microfluidic channel fabrication by PDMS-interface bonding. , 2004, , .		3
182	Modeling of Haptic Sensing of Nanolithography with an Atomic Force Microscope. , 0, , .		3
183	A systematic approach to fabricate CNT-based nano devices: combining DEP and microspotting technologies. , 0, , .		3
184	Biosensor Arrays based on Surface Plasmon Resonance Phase Imaging. , 2006, , .		3
185	&#x03BC;IMU-based handwriting recognition calibration by optical tracking. , 2007, , .		3
186	Vibration-mode based real-time nanoimaging and nanomanipulation. , 2007, , .		3
187	Formation of gold Nano-particle chains by DEP &#x2014; a parametric experimental analysis. , 2008, , .		3
188	Purification of SWNTs using high-speed centrifugation. , 2008, , .		3
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190	Extreme-low-power thermal convective accelerometer based on CNT sensing element. , 2009, , .		3
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