John T W Yeow

List of Publications by Year in descending order

200 papers	3,478 citations	185998 28 h-index	161609 54 g-index
204 all docs	204 docs citations	204 times ranked	4216 citing authors

#	Article	IF	Citations
1	Conductive polymer-based sensors for biomedical applications. Biosensors and Bioelectronics, 2011, 26, 1825-1832.	5.3	419
2	Polymer-Composite Materials for Radiation Protection. ACS Applied Materials & Interfaces, 2012, 4, 5717-5726.	4.0	400
3	Micro triboelectric ultrasonic device for acoustic energy transfer and signal communication. Nature Communications, 2020, 11, 4143.	5.8	156
4	Electrochemical sensing of acetaminophen using multi-walled carbon nanotube and Î²-cyclodextrin. Sensors and Actuators B: Chemical, 2018, 254, 896-909.	4.0	154
5	Polymer nanocompositeâ€based shielding against diagnostic Xâ€rays. Journal of Applied Polymer Science, 2013, 127, 4939-4946.	1.3	135
6	Polymers and organic materials-based pH sensors for healthcare applications. Progress in Materials Science, 2018, 96, 174-216.	16.0	122
7	A capacitive humidity sensor based on ordered macroporous silicon with thin film surface coating. Sensors and Actuators B: Chemical, 2010, 149, 136-142.	4.0	107
8	Tailoring MWCNTs and Î²-Cyclodextrin for Sensitive Detection of Acetaminophen and Estrogen. ACS Applied Materials & Interfaces, 2018, 10, 21411-21427.	4.0	66
9	Fabricating capacitive micromachined ultrasonic transducers with a novel silicon-nitride-Based wafer bonding process. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1074-1084.	1.7	64
10	A flexible, scalable, and self-powered mid-infrared detector based on transparent PEDOT: PSS/graphene composite. Carbon, 2020, 156, 339-345.	5.4	64
11	Self-powered on-line ion concentration monitor in water transportation driven by triboelectric nanogenerator. Nano Energy, 2019, 62, 442-448.	8.2	63
12	A 32 x 32 element row-column addressed capacitive micromachined ultrasonic transducer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1266-1271.	1.7	60
13	PDMS/single-walled carbon nanotube composite for proton radiation shielding in space applications. Materials Letters, 2013, 108, 79-83.	1.3	51
14	Wrist and Finger Gesture Recognition With Single-Element Ultrasound Signals: A Comparison With Single-Channel Surface Electromyogram. IEEE Transactions on Biomedical Engineering, 2019, 66, 1277-1284.	2.5	51
15	Creatinine adsorption capacity of electrospun polyacrylonitrile (<scp>PAN</scp>)â€zeolite nanofiber membranes for potential artificial kidney applications. Journal of Applied Polymer Science, 2015, 132, .	1.3	43
16	Large-Area and Broadband Thermoelectric Infrared Detection in a Carbon Nanotube Black-Body Absorber. ACS Nano, 2019, 13, 13285-13292.	7.3	41
17	Capacitive micromachined ultrasound transducers for intravascular ultrasound imaging. Microsystems and Nanoengineering, 2020, 6, 73.	3.4	41
18	Nanomaterials in Smart Packaging Applications: A Review. Small, 2022, 18, e2101171.	5.2	40

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19	The effects of gold nanoparticles with different sizes on polymerase chain reaction efficiency. Nanotechnology, 2009, 20, 325702.	1.3	39
20	Nanotechnology-Based Terahertz Biological Sensing: A review of its current state and things to come. IEEE Nanotechnology Magazine, 2016, 10, 30-38.	0.9	39
21	Effect of carbon nanotubes on electromagnetic interference shielding of carbon fiber reinforced polymer composites. Polymer Composites, 2018, 39, E655.	2.3	39
22	Design, Fabrication, and Characteristics of a MEMS Micromirror With Sidewall Electrodes. Journal of Microelectromechanical Systems, 2010, 19, 619-631.	1.7	32
23	Bismuth Sulfide Nanoflowers for Detection of X-rays in the Mammographic Energy Range. Scientific Reports, 2015, 5, 9440.	1.6	32
24	PMMA/MWCNT nanocomposite for proton radiation shielding applications. Nanotechnology, 2016, 27, 234001.	1.3	31
25	Development of a highly sensitive humidity sensor based on the capacitive micromachined ultrasonic transducer. Sensors and Actuators B: Chemical, 2019, 286, 39-45.	4.0	31
26	Cell electroporation by CNT-featured microfluidic chip. Lab on A Chip, 2013, 13, 2585.	3.1	30
27	Flexible Polymerâ€“Carbon Nanotube Composite with High-Response Stability for Wearable Thermal Imaging. ACS Applied Materials & Interfaces, 2018, 10, 26604-26609.	4.0	29
28	An adsorption study of indoxyl sulfate by zeolites and polyethersulfoneâ€“zeolite composite membranes. Materials and Design, 2017, 120, 328-335.	3.3	28
29	Photoacoustic Imaging with Capacitive Micromachined Ultrasound Transducers: Principles and Developments. Sensors, 2019, 19, 3617.	2.1	26
30	Bismuth oxide-based nanocomposite for high-energy electron radiation shielding. Journal of Materials Science, 2019, 54, 3023-3034.	1.7	24
31	Internal Model-Based Robust Tracking Control Design for the MEMS Electromagnetic Micromirror. Sensors, 2017, 17, 1215.	2.1	23
32	Highly sensitive CMUT-based humidity sensors built with nitride-to-oxide wafer bonding technology. Sensors and Actuators B: Chemical, 2019, 294, 123-131.	4.0	23
33	2-D CMUT wafer bonded imaging arrays with a row-column addressing scheme. , 2009, , .		22
34	Carbon nanotubes for voltage reduction and throughput enhancement of electrical cell lysis on a lab-on-a-chip. Nanotechnology, 2011, 22, 325705.	1.3	22
35	Materials analyses and electrochemical impedance of implantable metal electrodes. Physical Chemistry Chemical Physics, 2015, 17, 10135-10145.	1.3	22
36	Capacitive micromachined ultrasonic transducers based on annular cell geometry for air-coupled applications. Ultrasonics, 2016, 71, 152-160.	2.1	22

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37	Inkjet-printed CMUT humidity sensors with high sensitivity and low hysteresis. Sensors and Actuators B: Chemical, 2021, 327, 128920.	4.0	22
38	A 1-D Capacitive Micromachined Ultrasonic Transducer Imaging Array Fabricated With a Silicon-Nitride-Based Fusion Process. IEEE/ASME Transactions on Mechatronics, 2011, 16, 861-865.	3.7	21
39	Fabrication of a Curved Rowâ€“Column Addressed Capacitive Micromachined Ultrasonic Transducer Array. Journal of Microelectromechanical Systems, 2016, 25, 675-682.	1.7	21
40	Influence of zeolite shape and particle size on their capacity to adsorb uremic toxin as powders and as fillers in membranes. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 1594-1601.	1.6	21
41	Fabrication and characterization of a radiation sensor based on bacteriorhodopsin. Biosensors and Bioelectronics, 2011, 26, 2171-2176.	5.3	20
42	The Design and Fabrication of Carbon-Nanotube-Based Field Emission X-Ray Cathode With Ballast Resistor. IEEE Transactions on Electron Devices, 2013, 60, 464-470.	1.6	20
43	Fabrication of capacitive micromachined ultrasonic transducers based on adhesive wafer bonding technique. Journal of Micromechanics and Microengineering, 2016, 26, 115019.	1.5	20
44	A 2-D Micromachined SOI MEMS Mirror With Sidewall Electrodes for Biomedical Imaging. IEEE/ASME Transactions on Mechatronics, 2010, 15, 501-510.	3.7	19
45	A high-performance CMUT humidity sensor based on cellulose nanocrystal sensing film. Sensors and Actuators B: Chemical, 2020, 320, 128596.	4.0	19
46	Two-dimensional materials applied for room-temperature thermoelectric photodetectors. Materials Research Express, 2020, 7, 112001.	0.8	19
47	Design and Fabrication of Carbon Nanotube Fieldâ€Emission Cathode with Coaxial Gate and Ballast Resistor. Small, 2013, 9, 3385-3389.	5.2	18
48	A novel field emission microscopy method to study field emission characteristics of freestanding carbon nanotube arrays. Nanotechnology, 2017, 28, 155704.	1.3	18
49	Study of a novel cell lysis method with titanium dioxide for Lab-on-a-Chip devices. Biomedical Microdevices, 2011, 13, 527-532.	1.4	17
50	A feasibility study of piezoelectric micromachined ultrasonic transducers fabrication using a multi-user MEMS process. Sensors and Actuators A: Physical, 2016, 247, 430-439.	2.0	17
51	A Low-Cost Multi-Parameter Water Quality Monitoring System. Sensors, 2021, 21, 3775.	2.1	17
52	Constraint adaptive output regulation of output feedback systems with application to electrostatic torsional micromirror. International Journal of Robust and Nonlinear Control, 2015, 25, 504-520.	2.1	16
53	Development of a Novel CMUT-Based Concentric Dual-Element Ultrasonic Transducer: Design, Fabrication, and Characterization. Journal of Microelectromechanical Systems, 2018, 27, 538-546.	1.7	16
54	An FPGA-based ultrasound imaging system using capacitive micromachined ultrasonic transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1513-1520.	1.7	15

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55	A rowâ€“column addressed micromachined ultrasonic transducer array for surface scanning applications. Ultrasonics, 2014, 54, 2072-2080.	2.1	15
56	Modeling and closed loop control of a polymer composite-based hard-magnetic micromirror for optical switching applications. Nonlinear Dynamics, 2018, 92, 59-74.	2.7	15
57	Boron Nitride-Based Nanomaterials for Radiation Shielding: A Review. IEEE Nanotechnology Magazine, 2021, 15, 8-17.	0.9	15
58	Doped Polyaniline/Graphene Composites for Photothermoelectric Detectors. ACS Applied Nano Materials, 2022, 5, 7967-7973.	2.4	14
59	Integral sliding mode based optimal composite nonlinear feedback control for a class of systems. Control Theory and Technology, 2014, 12, 139-146.	1.0	13
60	Direct bonding of liquid crystal polymer to glass. RSC Advances, 2016, 6, 107200-107207.	1.7	13
61	Design and Fabrication of a High-Power Air-Coupled Capacitive Micromachined Ultrasonic Transducer Array With Concentric Annular Cells. IEEE Transactions on Electron Devices, 2017, 64, 4636-4643.	1.6	13
62	An Enhanced Robust Control Algorithm Based on CNF and ISM for the MEMS Micromirror against Input Saturation and Disturbance. Micromachines, 2017, 8, 326.	1.4	13
63	Pitaya detection in orchards using the MobileNet-YOLO model. , 2020, , .		13
64	A CMUT-based real-time volumetric ultrasound imaging system with row-column addressing. , 2011, , .		12
65	Antibacterial Properties of Poly(Quaternary Ammonium) Modified Gold and Titanium Dioxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 4601-4606.	0.9	12
66	Angle tracking of MEMS hard-magnetic micromirror by PID control. , 2015, , .		12
67	Effect of B-doping on the morphological, structural and optical properties of SILAR deposited CuO films. Physica B: Condensed Matter, 2020, 599, 412578.	1.3	12
68	A reusable, reagent-less free chlorine sensor using gold thin film electrode. Analyst, The, 2021, 146, 2626-2631.	1.7	12
69	A carbon fiber-based radiation sensor for dosimetric measurement in radiotherapy. Carbon, 2008, 46, 1869-1873.	5.4	11
70	Lumped element modeling of air-coupled capacitive micromachined ultrasonic transducers with annular cell geometry. Ultrasonics, 2017, 76, 19-27.	2.1	11
71	Humidity Sensing of Ordered Macroporous Silicon With ${m HfO} _{2}$ Thin-Film Surface Coating. IEEE Sensors Journal, 2009, 9, 541-547.	2.4	10
72	Integration of nanoparticle cell lysis and microchip PCR for one-step rapid detection of bacteria. Biomedical Microdevices, 2012, 14, 337-346.	1.4	10

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73	Effective atomic numbers and electron densities of bacteriorhodopsin and its comprising amino acids in the energy range 1 keVâ€“100 GeV. Nuclear Instruments & Methods in Physics Research B, 2013, 300, 30-34.	0.6	10
74	Architecture for MEMS-based analogue demodulation. Journal of Micromechanics and Microengineering, 2013, 23, 045013.	1.5	10
75	Fabrication of electro-microfluidic channel for single cell electroporation. Biomedical Microdevices, 2013, 15, 759-766.	1.4	10
76	Carbon Nanotube Gas Sensors. Springer Series on Chemical Sensors and Biosensors, 2014, , 109-174.	0.5	10
77	An Optimization and Comparative Study of Air-Coupled CMUT Cells With Circular and Annular Geometries. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1723-1734.	1.7	10
78	Trapping, separating, and palpating microbead clusters in droplets and flows using capacitive micromachined ultrasonic transducers (CMUTs). Sensors and Actuators B: Chemical, 2018, 276, 481-488.	4.0	10
79	PolyMethyl Methacrylate Thin-Film-Based Field Emission Microscope. IEEE Nanotechnology Magazine, 2012, 11, 441-443.	1.1	9
80	The use of semiconducting single-walled carbon nanotube films to measure X-ray dose. Carbon, 2012, 50, 2197-2201.	5.4	9
81	In vitro Clearance and Hemocompatibility Assessment of Ultrathin Nanoporous Silicon Membranes for Hemodialysis Applications Using Human Whole Blood. Blood Purification, 2013, 35, 305-313.	0.9	9
82	Self-heating Schottky emission from a ballasted carbon nanotube array. Carbon, 2013, 58, 87-91.	5.4	8
83	Practical CMUT Fabrication With a Nitride-to-Oxide-Based Wafer Bonding Process. Journal of Microelectromechanical Systems, 2017, 26, 829-836.	1.7	8
84	Coulomb explosion of vertically aligned carbon nanofibre induced by field electron emission. RSC Advances, 2017, 7, 40470-40479.	1.7	8
85	Compensated Row-Column Ultrasound Imaging System Using Multilayered Edge Guided Stochastically Fully Connected Random Fields. Scientific Reports, 2017, 7, 10644.	1.6	8
86	Optimization on benzocyclobutene-based CMUT fabrication with an inverse structure. Sensors and Actuators A: Physical, 2018, 281, 1-8.	2.0	8
87	Reviewâ€”State-of-the-Art Organic Solar Cells based on Carbon Nanotubes and Graphene. ECS Journal of Solid State Science and Technology, 2020, 9, 105004.	0.9	8
88	Antibacterial porous polymeric monolith columns with amphiphilic and polycationic character on cross-linked PMMA substrates for cell lysis applications. RSC Advances, 2013, 3, 24177.	1.7	7
89	Closed-loop control of a 2-D mems micromirror with sidewall electrodes for a laser scanning microscope system. International Journal of Optomechatronics, 2016, 10, 1-13.	3.3	7
90	A robust control approach for MEMS capacitive micromachined ultrasonic transducer. Transactions of the Institute of Measurement and Control, 2019, 41, 107-116.	1.1	7

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91	Capacitive Humidity Sensing using Carbon Nanotube Enabled Capillary Condensation. , 2006, , .		6
92	1-D CMUT arrays fabricated using a novel wafer bonding process. , 2008, , .		6
93	Bacteriorhodopsin for superficial X-ray sensing. Sensors and Actuators B: Chemical, 2012, 166-167, 177-183.	4.0	6
94	Dynamic modeling of a polymer composite based hard-magnetic micro-mirror. , 2015, , .		6
95	A distributed output regulation problem for multi-agent linear systems with application to leader-follower robot's formation control. , 2016, , .		6
96	On-chip cell lysis by antibacterial non-leaching reusable quaternary ammonium monolithic column. Biomedical Microdevices, 2016, 18, 2.	1.4	6
97	Compensated Row-Column Ultrasound Imaging System Using Fisher Tippett Multilayered Conditional Random Field Model. PLoS ONE, 2015, 10, e0142817.	1.1	6
98	Carbon-Based THz Microstrip Antenna Design: A Review. IEEE Open Journal of Nanotechnology, 2022, 3, 15-23.	0.9	6
99	Design and analysis of resonant drive circuit for electrostatic actuators. , 2010, , .		5
100	Lysis of gram-positive and gram-negative bacteria by antibacterial porous polymeric monolith formed in microfluidic biochips for sample preparation. Analytical and Bioanalytical Chemistry, 2014, 406, 5977-5987.	1.9	5
101	Quantitative Analysis of Musculoskeletal Ultrasound: Techniques and Clinical Applications. BioMed Research International, 2017, 2017, 1-2.	0.9	5
102	Tracking of square reference signals using internal modelâ€based LQG robust controller for positioning of a microâ€electroâ€mechanical systems micromirror. Micro and Nano Letters, 2018, 13, 704-708.	0.6	5
103	Effect of Percolation on Electrical Conductivity in a Carbon Nanotube-Based Film Radiation Sensor. , 2008, , .		4
104	Simulation of field emission current uniformity of low-density freestanding CNT array. , 2010, , .		4
105	Polymer nanocomposite for space applications. , 2014, , .		4
106	A novel deflection shape function for rectangular capacitive micromachined ultrasonic transducer diaphragms. Sensing and Bio-Sensing Research, 2015, 5, 62-70.	2.2	4
107	Design and Application of Enhanced Composite Nonlinear Feedback Control Based on Genetic Algorithm. , 2018, , .		4
108	Optimal Second Order Integral Sliding Mode Based Composite Nonlinear Feedback Approach for an Electrostatic Micromirror. IEEE Access, 2020, 8, 145960-145967.	2.6	4

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109	Adaptive Visually Servoed Tracking Control for Wheeled Mobile Robot with Uncertain Model Parameters in Complex Environment. Complexity, 2020, 2020, 1-13.	0.9	4
110	Barrier Lyapunov Function-Based Output Regulation Control of an Electromagnetic Micromirror With Transient Performance Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4080-4091.	5.9	4
111	Working towards a sample preparation device with carbon nanotubes. , 2007, , .		3
112	A novel method for measuring dielectric charging of CMUT arrays. , 2014, , .		3
113	Effects of particle size on X-ray transmission characteristics of PDMS/Ag nano- and microcomposites. , 2015, , .		3
114	Facile microfluidic channels for acoustophoresis on a budget. Biomedical Microdevices, 2015, 17, 99.	1.4	3
115	Field emission microscopy study of freestanding carbon nanotube array. , 2016, , .		3
116	Study of Freestanding carbon nanotube array field emission uniformity with field emission microscopy. , 2016, , .		3
117	Numerical and experimental study of radiation induced conductivity change of carbon nanotube filled polymers. Nanotechnology, 2017, 28, 255501.	1.3	3
118	Modelling and adaptive dynamic sliding mode control of dielectrophoresis-based micromanipulation. Transactions of the Institute of Measurement and Control, 2018, 40, 122-134.	1.1	3
119	A MEMS Analog demodulator. , 2012, , .		2
120	Low voltage electrostatic actuation and angular displacement measurement of micromirror coupled with resonant drive circuit. , 2012, , .		2
121	A simple and quick fabrication method of microfluidic cell sorter using Dielectrophoresis. , 2013, , .		2
122	A CMUT-based finger-mounted 3D ultrasound probe. , 2014, , .		2
123	A Growing Nano Community [The Editor's Desk]. IEEE Nanotechnology Magazine, 2014, 8, 4-4.	0.9	2
124	Fabrication of polymer-based wafer-bonded capacitive micromachined ultrasonic transducers. , 2015, , .		2
125	Experimental validation of Nussbaum gain adaptive control for a polymer composite based electromagnetic micromirror. , 2017, , .		2
126	Wrapping Up 2019 [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 4-5.	0.9	2

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127	Modelling and robust position and orientation control of a non-affine nonlinear dielectrophoresis-based micromanipulation system. Transactions of the Institute of Measurement and Control, 2019, 41, 2582-2595.	1.1	2
128	A Customized Radiation Sensor for Ionization Collection. IEEE Sensors Journal, 2006, 6, 1523-1530.	2.4	1
129	Application of Artificial Neural Network in Friction Compensation During Particle Micro Manipulation. , 2006, , .		1
130	Synthesis of aligned zinc oxide nanorods for humidity sensing. , 2008, , .		1
131	Humidity sensing characteristics of laterally aligned ZnO nanowires by dielectrophoresis method. , 2010, , .		1
132	The effects of nanoparticles on polymerase chain reaction. , 2010, , .		1
133	Reduction of voltage requirements for electrical cell lysis using CNT on electrode. , 2010, , .		1
134	Electrical resistance response evaluation of semiconducting single-walled carbon nanotube film for X-ray sensing. , 2011, , .		1
135	Tracking control of an electrostatic torsional micromirror beyond the pull-in limit with enhanced performance. , 2012, , .		1
136	Ballasted carbon nanotube array based X-ray tube. , 2012, , .		1
137	Sliding mode control of a 2D torsional MEMS micromirror with sidewall electrodes. , 2012, , .		1
138	CMUT front-end circuits designed in a high-voltage CMOS process and the phase measurement receiver circuit. , 2012, , .		1
139	Application of twisting algorithm to a 2D electrostatic MEMS micromirror. , 2013, , .		1
140	Effect of CNTs alignment on electrical conductivity of PDMS/MWCNTs composites. , 2014, , .		1
141	Study of ballasting carbon nanotube field emitter arrays with coaxial gate using doped silicon resistor. , 2016, , .		1
142	A CMUT array based on annular cell geometry for air-coupled applications. , 2016, , .		1
143	Integral sliding mode based optimal composite nonlinear feedback control for capacitive micromachined ultrasonic transducers (CMUTs) system. , 2017, , .		1
144	Nonlinear control for a MEMS hard-magnetic micromirror by using backstepping sliding mode method. , 2017, , .		1

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145	Fabrication and characterization of individually ballasted carbon nanotube field emitter arrays using doped silicon resistor. , 2017, , .		1
146	Nanotechnology Applications Special Issue [The Editor's Desk]. IEEE Nanotechnology Magazine, 2018, 12, 3-3.	0.9	1
147	Experimental validation of internal model approach for tracking control of a MEMS micromirror without angular velocity measurement. Nonlinear Dynamics, 2020, 102, 1437-1450.	2.7	1
148	A Dual-Frequency Capacitive Micromachined Ultrasonic Transducer (CMUT) for Vapor Detection. , 2020, , .		1
149	Global Fast Terminal Sliding Mode Control for a Quadrotor UAV. , 2020, , .		1
150	A Neural Network-based Learning Controller for Micro-sized Object Micromanipulation. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
151	Design, fabrication, and performance analysis of MEMS mirror with sidewall electrodes. , 2009, , .		0
152	Lysing E. Coli Using Titanium Dioxide Particles for Lab-on-a-Chip Applications. , 2010, , .		0
153	Fabricating ZnO nanowires-based humidity sensor via dielectrophoresis method. , 2010, , .		0
154	Design and fabrication of 2×2 and 4×4 biaxial micromirror array. , 2010, , .		0
155	Characterization of micro forces in pushing flat micro-sized objects. , 2010, , .		0
156	Theoretical calculation of Radiation Induced Conductivity in nanomaterials. , 2011, , .		0
157	Evaluation of antibacterial property induced by surface-modified titanium dioxide nanoparticles. , 2011, , .		0
158	MEMS Demodulator. , 2012, , .		0
159	Optimization of ballasted carbon nanotube array for X-ray source. , 2013, , .		0
160	Study on Predicting the Deformed Membranes Based on Silicon Nitride Materials with New Deflection Functions for Calculating the Capacitance of Circular Diaphragm CMUTs. Advanced Materials Research, 2013, 703, 3-7.	0.3	0
161	CNT-embedded electro-microchannel for cell electroporation. , 2013, , .		0
162	Sliding Mode Control of a 2D Torsional MEMS Micromirror with Sidewall Electrodes. International Journal of Intelligent Mechatronics and Robotics, 2013, 3, 16-26.	0.4	0

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163	The Impact of Energy and Biomedical Applications [The Editor's Desk]. IEEE Nanotechnology Magazine, 2014, 8, 3-3.	0.9	0
164	Future flexibility [From the Editor's Desk]. IEEE Nanotechnology Magazine, 2014, 8, 4-4.	0.9	0
165	Moving Toward Added Functionality and Lower Cost [The Editor's Desk]. IEEE Nanotechnology Magazine, 2014, 8, 3-3.	0.9	0
166	Packaging, Performance, and Storage [The Editor's Desk]. IEEE Nanotechnology Magazine, 2015, 9, 3-3.	0.9	0
167	Prepare for Impact [The Editor's Desk]. IEEE Nanotechnology Magazine, 2015, 9, 5-5.	0.9	0
168	Initial investigation of entropy of mixing in polymer carbon nanotube composite. , 2015, , .		0
169	Things to Ponder [The Editor's Desk]. IEEE Nanotechnology Magazine, 2015, 9, 3-3.	0.9	0
170	New Technology Yields New Applications [The Editor's Desk]. IEEE Nanotechnology Magazine, 2015, 9, 4-4.	0.9	0
171	Modeling of dielectrophoretic forces and electrorotational torque towards nonlinear control of micromanipulation system. , 2016, , .		0
172	Tracking control with several new control methods for different kinds of linear or approach linear systems. , 2016, , .		0
173	Low-cost implementation of acoustophoretic devices. , 2016, , .		0
174	Sliding mode control with gain-scheduled and improved boundary layer for nonholonomic multi-robot formation. , 2016, , .		0
175	Sensor and Sensibility [The Editor's Desk]. IEEE Nanotechnology Magazine, 2016, 10, 3-3.	0.9	0
176	A Nano-Based Biosensing Special Issue [The Editor's Desk]. IEEE Nanotechnology Magazine, 2016, 10, 3-3.	0.9	0
177	Effective and Efficient [The Editor's Desk]. IEEE Nanotechnology Magazine, 2016, 10, 4-4.	0.9	0
178	Presenting a Special Issue [The Editor's Desk]. IEEE Nanotechnology Magazine, 2016, 10, 3-3.	0.9	0
179	Understanding the Underlying Mechanisms [The Editor's Desk]. IEEE Nanotechnology Magazine, 2017, 11, 3-3.	0.9	0
180	Digging Deep on Heterojunction Devices [The Editor's Desk]. IEEE Nanotechnology Magazine, 2017, 11, 3-3.	0.9	0

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181	Light emission from vertically aligned carbon nanotube field emitters during Joule heating enhanced field emission. , 2017, , .		0
182	Waste Not, Want Not [The Editor's Desk]. IEEE Nanotechnology Magazine, 2017, 11, 3-3.	0.9	0
183	A Special Issue on Spectroscopy [The Editor's Desk]. IEEE Nanotechnology Magazine, 2017, 11, 3-3.	0.9	0
184	A Special Issue on Nanopackaging [The Editor's Desk]. IEEE Nanotechnology Magazine, 2018, 12, 3-3.	0.9	0
185	Optimized Bending Stable Carbon Nanotube - Polymer Composite for Room Temperature Thermal Detection. , 2018, , .		0
186	Noteworthy Nanoelectronics [The Editor's Desk]. IEEE Nanotechnology Magazine, 2018, 12, 3-3.	0.9	0
187	A Special Issue on Nanodielectrics [The Editor's Desk]. IEEE Nanotechnology Magazine, 2018, 12, 3-3.	0.9	0
188	A Special Issue on Semiconductor Quantum Devices [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 3-3.	0.9	0
189	Special Issue on Nanopackaging: Part II [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 3-3.	0.9	0
190	Wide-Ranging Research [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 3-3.	0.9	0
191	A Special Issue on Nanoacoustics [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 3-3.	0.9	0
192	A Special Issue on Nanophotonics and Nanoelectronicâ€“Part 2 [The Editor's Desk]. IEEE Nanotechnology Magazine, 2019, 13, 3-3.	0.9	0
193	The field emission properties of a new design: multi-pixel carbon nanotube field emitters for imaging application. , 2019, , .		0
194	A Special Issue on Nanomagnetics [The Editor's Desk]. IEEE Nanotechnology Magazine, 2020, 14, 4-4.	0.9	0
195	Self-Healed and Shape-Adaptive MXene Integrated Hydrogel for Wearable Electronic Applications. , 2021, , .		0
196	A Study of Coulomb Explosion Induced by Freestanding Carbon Nanotube During Field Emission. , 2021, , .		0
197	Fabrication and Electrical Properties Analysis of SWCNTs/PDMS Composites. , 2015, , .		0
198	Compensated Row-Column Ultrasound Imaging System Using Three Dimensional Random Fields. Lecture Notes in Computer Science, 2017, , 107-116.	1.0	0

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199	Compensated Row-Column Ultrasound Imaging Systems with Data-Driven Point Spread Function Learning. Lecture Notes in Computer Science, 2019, , 429-441.	1.0	0
200	Inkjet-Printed Capacitive Micromachined Ultrasonic Transducer (CMUT) for Moisture Sensing. , 2020, , .		0