

Mo Yang

List of Publications by Year in descending order

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139
papers

5,789
citations

66315

42
h-index

82499

72
g-index

140
all docs

140
docs citations

140
times ranked

8320
citing authors

#	ARTICLE	IF	CITATIONS
1	An AlEgen/graphene oxide nanocomposite (AlEgen@GO)-based two-stage turn-on nucleic acid biosensor for rapid detection of SARS-CoV-2 viral sequence. <i>Aggregate</i> , 2023, 4, e195.	5.2	23
2	Harnessing Tissue-derived Extracellular Vesicles for Osteoarthritis Theranostics. <i>Theranostics</i> , 2022, 12, 207-231.	4.6	53
3	Integrating Soft Hydrogel with Nanostructures Reinforces Stem Cell Adhesion and Differentiation. <i>Journal of Composites Science</i> , 2022, 6, 19.	1.4	9
4	Facile synthesis and in vivo bioimaging applications of porphyrin derivative-encapsulated polymer nanoparticles. <i>Chinese Chemical Letters</i> , 2022, 33, 4101-4106.	4.8	13
5	Magnetic-Responsive Surface-Enhanced Raman Scattering Platform with Tunable Hot Spot for Ultrasensitive Virus Nucleic Acid Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4714-4724.	4.0	36
6	Wavelength-regulated switchable photoelectrochemical system for concurrent detection of dual antibiotics. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113999.	5.3	11
7	Virus Detection: From State-of-the-Art Laboratories to Smartphone-Based Point-of-Care Testing. <i>Advanced Science</i> , 2022, 9, e2105904.	5.6	66
8	Fast Fourier Transform-weighted Photoacoustic Imaging by In Vivo Magnetic Alignment of Hybrid Nanorods. <i>Nano Letters</i> , 2022, 22, 5158-5166.	4.5	10
9	2D MOF Nanosensor-Integrated Digital Droplet Microfluidic Flow Cytometry for In Situ Detection of Multiple miRNAs in Single CTC Cells. <i>Small</i> , 2022, 18, .	5.2	24
10	A novel coating with universal adhesion and inflammation-responsive drug release functions to manipulate the osteoimmunomodulation of implants. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5272-5283.	2.9	7
11	Gadolinium-porphyrin based polymer nanotheranostics for fluorescence/magnetic resonance imaging guided photodynamic therapy. <i>Nanoscale</i> , 2021, 13, 16197-16206.	2.8	16
12	Targeting a noncanonical, hairpin-containing G-quadruplex structure from the MYCN gene. <i>Nucleic Acids Research</i> , 2021, 49, 7856-7869.	6.5	16
13	Nerve Growth Factor-Targeted Molecular Theranostics Based on Molybdenum Disulfide Nanosheet-Coated Gold Nanorods (MoS ₂ -AuNR) for Osteoarthritis Pain. <i>ACS Nano</i> , 2021, 15, 11711-11723.	7.3	41
14	Ultra-sensitive photoelectrochemical aptamer biosensor for detecting E. coli O157:H7 based on nonmetallic plasmonic two-dimensional hydrated defective tungsten oxide nanosheets coupling with nitrogen-doped graphene quantum dots (dWO ₃ -H ₂ O@N-GQDs). <i>Biosensors and Bioelectronics</i> , 2021, 183, 113214.	5.3	51
15	Recent Advances in Two-Dimensional Transition Metal Dichalcogenide Nanocomposites Biosensors for Virus Detection before and during COVID-19 Outbreak. <i>Journal of Composites Science</i> , 2021, 5, 190.	1.4	22
16	Nanoparticle-mediated specific elimination of soft cancer stem cells by targeting low cell stiffness. <i>Acta Biomaterialia</i> , 2021, 135, 493-505.	4.1	13
17	NIR-II-driven and glutathione depletion-enhanced hypoxia-irrelevant free radical nanogenerator for combined cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 265.	4.2	21
18	Pathogenic Virus Detection by Optical Nanobiosensors. <i>Cell Reports Physical Science</i> , 2021, 2, 100288.	2.8	33

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19	Nanotechnology for diagnosis and therapy of rheumatoid arthritis: Evolution towards theranostic approaches. <i>Chinese Chemical Letters</i> , 2021, 32, 66-86.	4.8	46
20	Synthesis of fluorescent nanoprobe with simultaneous response to intracellular pH and Zn ²⁺ for tumor cell distinguishment. <i>Mikrochimica Acta</i> , 2021, 188, 9.	2.5	6
21	Hybrid theranostic microbubbles for ultrasound/photoacoustic imaging guided starvation/low-temperature photothermal/hypoxia-activated synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9358-9369.	2.9	9
22	Dual-Depletion of Intratumoral Lactate and ATP with Radicals Generation for Cascade Metabolic-Chemodynamic Therapy. <i>Advanced Science</i> , 2021, 8, e2102595.	5.6	48
23	An ultrasensitive and selective fluorescent nanosensor based on porphyrinic metal-organic framework nanoparticles for Cu ²⁺ detection. <i>Analyst</i> , 2020, 145, 797-804.	1.7	31
24	Droplet Microarray Based on Nanosensing Probe Patterns for Simultaneous Detection of Multiple HIV Retroviral Nucleic Acids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55614-55623.	4.0	27
25	Progress in exosome associated tumor markers and their detection methods. <i>Molecular Biomedicine</i> , 2020, 1, 3.	1.7	35
26	Fluid Shear Stress Induces EMT of Circulating Tumor Cells via JNK Signaling in Favor of Their Survival during Hematogenous Dissemination. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8115.	1.8	34
27	Porphyrinic Metal-Organic Framework Nanorod-Based Dual-Modal Nanoprobe for Sensing and Bioimaging of Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26391-26398.	4.0	47
28	Three-Color Imaging Enables Simultaneous Screening of Multiple RNA Targets on Small Molecule Microarrays. <i>Current Protocols in Chemical Biology</i> , 2020, 12, e87.	1.7	3
29	Graphene Nanocomposites. <i>Molecules</i> , 2019, 24, 2440.	1.7	10
30	Mechanics and Actomyosin-Dependent Survival/Chemoresistance of Suspended Tumor Cells in Shear Flow. <i>Biophysical Journal</i> , 2019, 116, 1803-1814.	0.2	53
31	Targeting Non-coding RNA Sensitizes Cancer Cells to Drugs. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 447-448.	4.0	1
32	Fabrication of 3D PDMS Microchannels of Adjustable Cross-Sections via Versatile Gel Templates. <i>Polymers</i> , 2019, 11, 64.	2.0	5
33	Label-free cell sorting strategies via biophysical and biochemical gradients. <i>Journal of Orthopaedic Translation</i> , 2019, 17, 55-63.	1.9	10
34	Engineering three-dimensional microenvironments towards <i>in vitro</i> disease models of the central nervous system. <i>Biofabrication</i> , 2019, 11, 032003.	3.7	37
35	Graphene-Based Nanocomposites for Neural Tissue Engineering. <i>Molecules</i> , 2019, 24, 658.	1.7	107
36	Systematic Profiling of Histone Readers in <i>Arabidopsis thaliana</i> . <i>Cell Reports</i> , 2018, 22, 1090-1102.	2.9	52

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37	Surface plasmon resonance imaging validation of small molecule drugs binding on target protein microarrays. <i>Applied Surface Science</i> , 2018, 450, 328-335.	3.1	15
38	Controlled hierarchical architecture in poly [oligo (ethylene glycol) methacrylate-b-glycidyl methacrylate] brushes for enhanced label-free biosensing. <i>Applied Surface Science</i> , 2018, 450, 236-243.	3.1	8
39	Tailor-made spider-eggcase-silk spheres for efficient lysosomal drug delivery. <i>RSC Advances</i> , 2018, 8, 9394-9401.	1.7	10
40	Optimization strategy for encapsulation efficiency and size of drug loaded silica xerogel/polymer core-shell composite nanoparticles prepared by gelation-emulsion method. <i>Polymer Engineering and Science</i> , 2018, 58, 742-751.	1.5	7
41	One-Step in Situ Detection of miRNA-21 Expression in Single Cancer Cells Based on Biofunctionalized MoS ₂ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 350-360.	4.0	90
42	Porphyritic Metal-Organic Framework PCN-224 Nanoparticles for Near-Infrared-Induced Attenuation of Aggregation and Neurotoxicity of Alzheimer's Amyloid- β Peptide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36615-36621.	4.0	107
43	A ratiometric fluorescent core-shell nanoprobe for sensing and imaging of zinc(II) in living cell and zebrafish. <i>Mikrochimica Acta</i> , 2018, 185, 523.	2.5	15
44	Facile preparation of recombinant spider eggcase silk spheres via an HFIP-on-Oil approach. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1146-1152.	3.6	8
45	Polymer-Brush-Grafted Mesoporous Silica Nanoparticles for Triggered Drug Delivery. <i>ChemPhysChem</i> , 2018, 19, 1956-1964.	1.0	54
46	Ultrasmall Metal-Organic Framework Zn-MOF-74 Nanodots: Size-Controlled Synthesis and Application for Highly Selective Colorimetric Sensing of Iron(III) in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2018, 1, 3747-3753.	2.4	86
47	Graphene and graphene-like two-denominational materials based fluorescence resonance energy transfer (FRET) assays for biological applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 123-135.	5.3	148
48	Peptide-binding induced inhibition of chemokine CXCL12. <i>RSC Advances</i> , 2017, 7, 21298-21307.	1.7	2
49	A microfluidic flow-through chip integrated with reduced graphene oxide transistor for influenza virus gene detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 927-933.	4.0	61
50	Surface charge switchable and pH-responsive chitosan/polymer core-shell composite nanoparticles for drug delivery application. <i>Composites Part B: Engineering</i> , 2017, 121, 83-91.	5.9	34
51	The effect of pore size in an ultrasensitive DNA sandwich-hybridization assay for the Escherichia coli O157:H7 gene based on the use of a nanoporous alumina membrane. <i>Mikrochimica Acta</i> , 2017, 184, 4835-4844.	2.5	18
52	Kinetic and high-throughput profiling of epigenetic interactions by 3D-carbene chip-based surface plasmon resonance imaging technology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7245-E7254.	3.3	47
53	A graphene quantum dot@Fe ₃ O ₄ @SiO ₂ based nanoprobe for drug delivery sensing and dual-modal fluorescence and MRI imaging in cancer cells. <i>Biosensors and Bioelectronics</i> , 2017, 92, 489-495.	5.3	145
54	A fluorescence turn-on biosensor based on graphene quantum dots (GQDs) and molybdenum disulfide (MoS ₂) nanosheets for epithelial cell adhesion molecule (EpCAM) detection. <i>Biosensors and Bioelectronics</i> , 2017, 93, 182-188.	5.3	123

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55	Rapid and Sensitive Detection of Bacteria Response to Antibiotics Using Nanoporous Membrane and Graphene Quantum Dot (GQDs)-Based Electrochemical Biosensors. <i>Materials</i> , 2017, 10, 603.	1.3	33
56	A Nanoporous Alumina Membrane Based Electrochemical Biosensor for Histamine Determination with Biofunctionalized Magnetic Nanoparticles Concentration and Signal Amplification. <i>Sensors</i> , 2016, 16, 1767.	2.1	36
57	Chemical vapor deposition grown graphene DNA field-effect transistor biosensor with gold nanoparticles signal amplification. , 2016, , .		1
58	Fabrication and process investigation of vancomycin loaded silica xerogel/polymer core-shell composite nanoparticles for drug delivery. <i>Composites Part B: Engineering</i> , 2016, 95, 272-281.	5.9	20
59	Ultrasensitive Detection of Ebola Virus Oligonucleotide Based on Upconversion Nanoprobe/Nanoporous Membrane System. <i>ACS Nano</i> , 2016, 10, 598-605.	7.3	168
60	A polymeric microfluidic device integrated with nanoporous alumina membranes for simultaneous detection of multiple foodborne pathogens. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 312-318.	4.0	84
61	Dextran hydrogel coated surface plasmon resonance imaging (SPRi) sensor for sensitive and label-free detection of small molecule drugs. <i>Applied Surface Science</i> , 2015, 355, 570-576.	3.1	37
62	Plain Silver Surface Plasmon Resonance for Microarray Application. <i>Analytical Chemistry</i> , 2015, 87, 1466-1469.	3.2	45
63	Impedance sensing of DNA immobilization and hybridization by microfabricated alumina nanopore membranes. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 105-112.	4.0	17
64	A reduced graphene oxide-Au based electrochemical biosensor for ultrasensitive detection of enzymatic activity of botulinum neurotoxin A. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 131-137.	4.0	48
65	Nanoparticle based fluorescence resonance energy transfer (FRET) for biosensing applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6989-7005.	2.9	198
66	Predicting the right spacing between protein immobilization sites on self-assembled monolayers to optimize ligand binding. <i>Analytical Biochemistry</i> , 2015, 484, 133-135.	1.1	1
67	Plasma-treated polystyrene film that enhances binding efficiency for sensitive and label-free protein biosensing. <i>Applied Surface Science</i> , 2015, 345, 379-386.	3.1	11
68	SPRi determination of inter-peptide interaction by using 3D supramolecular co-assembly polyrotaxane film. <i>Biosensors and Bioelectronics</i> , 2015, 66, 338-344.	5.3	17
69	A graphene oxide based fluorescence resonance energy transfer (FRET) biosensor for ultrasensitive detection of botulinum neurotoxin A (BoNT/A) enzymatic activity. <i>Biosensors and Bioelectronics</i> , 2015, 65, 238-244.	5.3	63
70	A fluorescence resonance energy transfer (FRET) biosensor based on graphene quantum dots (GQDs) and gold nanoparticles (AuNPs) for the detection of mecA gene sequence of <i>Staphylococcus aureus</i> . <i>Biosensors and Bioelectronics</i> , 2015, 67, 595-600.	5.3	308
71	Mechanism of Anticancer Effects of Antimicrobial Peptides. <i>Journal of Fiber Bioengineering and Informatics</i> , 2015, 8, 25-36.	0.2	28
72	A nanoporous membrane based impedance sensing platform for DNA sensing with gold nanoparticle amplification. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 877-882.	4.0	40

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73	Upconversion Luminescence Resonance Energy Transfer (LRET)-Based Biosensor for Rapid and Ultrasensitive Detection of Avian Influenza Virus H7 Subtype. <i>Small</i> , 2014, 10, 2390-2397.	5.2	139
74	A hydrophilic polymer based microfluidic system with planar patch clamp electrode array for electrophysiological measurement from cells. <i>Biosensors and Bioelectronics</i> , 2014, 53, 187-192.	5.3	12
75	Echinomycin, a Potential Binder of FKBP12, Shows Minor Effect on Calcineurin Activity. <i>Journal of Biomolecular Screening</i> , 2014, 19, 1275-1281.	2.6	7
76	Fabrication of organic electrochemical transistor arrays for biosensing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4402-4406.	1.1	26
77	Fe ₃ O ₄ @pyrolytic graphite oxide composite as an anode material for lithium secondary batteries. <i>Electrochimica Acta</i> , 2013, 90, 426-432.	2.6	65
78	Nanoporous membrane based impedance sensors to detect the enzymatic activity of botulinum neurotoxin A. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6544.	2.9	18
79	Ultrasensitive detection of E. coli O157:H7 with biofunctional magnetic bead concentration via nanoporous membrane based electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 532-537.	5.3	110
80	Bio-mimetically synthesized Ag@BSA microspheres as a novel electrochemical biosensing interface for sensitive detection of tumor cells. <i>Biosensors and Bioelectronics</i> , 2013, 41, 656-662.	5.3	74
81	Optimal Surface Functionalization of Nanoporous Alumina Membrane for DNA Detection. <i>Advanced Materials Research</i> , 2013, 631-632, 572-575.	0.3	1
82	Nanoporous alumina membrane and nanoparticle based microfluidic sensing platform for direct DNA detection. , 2013, , .		3
83	Transmission Near-Field Scanning Optical Microscopy Investigation on Cellular Uptake Behavior of Iron Oxide Nanoparticles. <i>BioNanoScience</i> , 2012, 2, 135-143.	1.5	3
84	Detection of bacteria with organic electrochemical transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 22072.	6.7	118
85	Covalently immobilized biomolecule gradient on hydrogel surface using a gradient generating microfluidic device for a quantitative mesenchymal stem cell study. <i>Biomicrofluidics</i> , 2012, 6, 024111.	1.2	34
86	A PDMS microfluidic impedance immunosensor for E. coli O157:H7 and Staphylococcus aureus detection via antibody-immobilized nanoporous membrane. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 328-335.	4.0	154
87	A PDMS microfluidic system with poly(ethylene glycol)/SU-8 based apertures for planar whole cell-patch-clamp recordings. <i>Sensors and Actuators A: Physical</i> , 2011, 166, 219-225.	2.0	9
88	The Application of Organic Electrochemical Transistors in Cell-Based Biosensors. <i>Advanced Materials</i> , 2010, 22, 3655-3660.	11.1	255
89	A microfluidic chip with poly(ethylene glycol) hydrogel microarray on nanoporous alumina membrane for cell patterning and drug testing. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 776-783.	4.0	51
90	Olfactory mucosa tissue-based biosensor: A bioelectronic nose with receptor cells in intact olfactory epithelium. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 527-533.	4.0	43

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91	Microwave Rapid Synthesis of Nanoporous Fe ₃ O ₄ Magnetic Microspheres. <i>Current Nanoscience</i> , 2009, 5, 485-488.	0.7	36
92	Development of planar patch clamp technology and its application in the analysis of cellular electrophysiology. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 153-160.	1.8	15
93	Magnetic force microscopy of iron oxide nanoparticles and their cellular uptake. <i>Biotechnology Progress</i> , 2009, 25, 923-928.	1.3	25
94	Impedance studies of bio-behavior and chemosensitivity of cancer cells by micro-electrode arrays. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1305-1310.	5.3	111
95	A Surface Charge Study on Cellular Uptake Behavior of F ₃ Peptide Conjugated Iron Oxide Nanoparticles. <i>Small</i> , 2009, 5, 1990-1996.	5.2	105
96	A polyethylene glycol (PEG) microfluidic chip with nanostructures for bacteria rapid patterning and detection. <i>Sensors and Actuators A: Physical</i> , 2009, 154, 288-294.	2.0	46
97	Line laser beam based laser-induced fluorescence detection system for microfluidic chip electrophoresis analysis. <i>Sensors and Actuators A: Physical</i> , 2009, 152, 168-175.	2.0	17
98	Label-free DNA sensor based on organic thin film transistors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1241-1245.	5.3	103
99	A novel electrochemical biosensor based on dynamic polymerase-extending hybridization for E. coli O157:H7 DNA detection. <i>Talanta</i> , 2009, 78, 647-652.	2.9	103
100	Nanoporous membrane-based cell chip for the study of anti-cancer drug effect of retinoic acid with impedance spectroscopy. <i>Talanta</i> , 2009, 80, 189-194.	2.9	27
101	A PDMS Planar Patch-Clamp Array Chip with Poly (Ethylene Glycol)/SU-8 based Cell-Patch Interface. , 2009, , .		0
102	Zeta potential: a surface electrical characteristic to probe the interaction of nanoparticles with normal and cancer human breast epithelial cells. <i>Biomedical Microdevices</i> , 2008, 10, 321-328.	1.4	359
103	Study of high-throughput cell electrofusion in a microelectrode-array chip. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 669-675.	1.0	34
104	Microfluid as a mean for piezoresistive strain measurement — a mixture of glycerin with salt water. , 2008, , .		0
105	Construction of Nonbiofouling Biofunctional Glass Surface by Self-Assembled Monolayer and Graft Hydrophilic Polymer. <i>Advanced Materials Research</i> , 2008, 47-50, 1343-1346.	0.3	2
106	Poly(L-Lactide)/Multiwalled Carbon Nanotube Composites: Interaction with Osteoblast-Like Cells <i>In Vitro</i> . <i>Advanced Materials Research</i> , 2008, 47-50, 1347-1350.	0.3	4
107	An ultrasound-actuated micropump that uses nanoporous one-way membrane as nozzle-diffuser. , 2008, , .		1
108	A transcutaneous controlled magnetic microvalve based on iron-powder filled PDMS for implantable drug delivery systems. , 2008, , .		4

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109	A PDMS microfluidic chip with nanostructures for bacteria concentration and fast detection. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	2
110	Micro-Electrode Cell-Based Biosensor Using Electrochemical Impedance Spectroscopy for Cancer Research. , 2008, , 309-312.		3
111	A strain gauge that uses carbon black and carbon nanotube doped silicone oil encapsulated in a PDMS microchannel. , 2007, , .		2
112	Normal and cancer breast epithelial cells endocytosis study of nanoparticles by combined AFM and NSOM microscopy. , 2007, , .		2
113	Micro chip with nanostructured membranes for cell morphology monitoring. , 2007, , .		0
114	Embryonic Stem Cells Biosensor and Its Application in Drug Analysis and Toxin Detection. IEEE Sensors Journal, 2007, 7, 1625-1631.	2.4	10
115	Detection of E. coli O157:H7 DNA by a novel QCM biosensor coupled with gold nanoparticles amplification. , 2007, , .		0
116	Detection of heavy metal toxicity using cardiac cell-based biosensor. Biosensors and Bioelectronics, 2007, 22, 3224-3229.	5.3	84
117	A novel microfluidic impedance assay for monitoring endothelin-induced cardiomyocyte hypertrophy. Biosensors and Bioelectronics, 2007, 22, 1688-1693.	5.3	44
118	AlGaIn/GaN heterostructures for non-invasive cell electrophysiological measurements. Biosensors and Bioelectronics, 2007, 23, 513-519.	5.3	25
119	Electrical assisted patterning of cardiac myocytes with controlled macroscopic anisotropy using a microfluidic dielectrophoresis chip. Sensors and Actuators A: Physical, 2007, 135, 73-79.	2.0	44
120	A novel impedance assay for cardiac myocyte hypertrophy sensing. Sensors and Actuators A: Physical, 2007, 136, 504-509.	2.0	8
121	Oriented and Vectorial Patterning of Cardiac Myocytes Using a Microfluidic Dielectrophoresis Chip Towards Engineered Cardiac Tissue With Controlled Macroscopic Anisotropy. Journal of Microelectromechanical Systems, 2006, 15, 1483-1491.	1.7	6
122	Cell Based Sensing Technologies. , 2006, , 55-92.		0
123	Microarray and Fluidic Chip for Extracellular Sensing. , 2006, , 47-102.		0
124	Influence of geometry and environmental parameters on the quality of signature patterns for single neuron chemical sensors. Sensors and Actuators B: Chemical, 2005, 104, 163-171.	4.0	6
125	Stochastic Frequency Signature for Chemical Sensing Using Noninvasive Neuronelectronic Interface. IEEE Transactions on Biomedical Engineering, 2005, 52, 916-922.	2.5	1
126	Characteristics of single neurons cultured on microelectrode arrays in vitro for chemical sensing. IEEE Sensors Journal, 2005, 5, 690-695.	2.4	1

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127	Separation of individual neurons using dielectrophoretic alternative current fields. <i>Journal of Neuroscience Methods</i> , 2004, 135, 79-88.	1.3	42
128	Neurons as sensors: individual and cascaded chemical sensing. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1599-1610.	5.3	30
129	Cascaded Chemical Sensing Using a Single Cell as a Sensor. <i>Sensor Letters</i> , 2004, 2, 1-8.	0.4	8
130	Electric Field Assisted Patterning of Neuronal Networks for the Study of Brain Functions. <i>Biomedical Microdevices</i> , 2003, 5, 125-137.	1.4	25
131	Title is missing!. <i>Biomedical Microdevices</i> , 2003, 5, 323-332.	1.4	9
132	Analysis, control and augmentation of microcantilever deflections in bio-sensing systems. <i>Sensors and Actuators B: Chemical</i> , 2003, 94, 103-115.	4.0	61
133	High sensitivity piezoresistive cantilever design and optimization for analyte-receptor binding. <i>Journal of Micromechanics and Microengineering</i> , 2003, 13, 864-872.	1.5	96
134	Design and Analysis of Microcantilevers for Biosensing Applications. <i>Journal of the Association for Laboratory Automation</i> , 2003, 8, 90-93.	2.8	2
135	Single Osteoblast Chemical Sensor via Non-invasive Bio-Electronic Interface. <i>Materials Research Society Symposia Proceedings</i> , 2003, 782, 1.	0.1	0
136	Electric Field-Assisted Positioning of Neurons on Pt Microelectrode Arrays. <i>Materials Research Society Symposia Proceedings</i> , 2003, 773, 461.	0.1	1
137	Optimization of Biosensing Microcantilever Devices. <i>Materials Research Society Symposia Proceedings</i> , 2003, 773, 611.	0.1	0
138	Single Cell Based Microelectrode Array Biosensors. <i>Materials Research Society Symposia Proceedings</i> , 2003, 773, 1161.	0.1	0
139	Design and Analysis of Microcantilevers for Biosensing Applications. <i>Materials Research Society Symposia Proceedings</i> , 2002, 738, 13151.	0.1	3