

Chii-Wann Lin

List of Publications by Year in descending order

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234
all docs

234
docs citations

234
times ranked

6750
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic-Field Beamforming-Based Generalized Coherence Factor for Handheld Ultrasound. Applied Sciences (Switzerland), 2022, 12, 560.	2.5	3
2	Rapid Detection of Virus Nucleic Acid via Isothermal Amplification on Plasmonic Enhanced Digitizing Biosensor. Biosensors, 2022, 12, 75.	4.7	3
3	Biosensing Amplification by Hybridization Chain Reaction on Phase-Sensitive Surface Plasmon Resonance. Biosensors, 2021, 11, 75.	4.7	8
4	Multi-Layer Reflectivity Calculation Based Meta-Modeling of the Phase Mapping Function for Highly Reproducible Surface Plasmon Resonance Biosensing. Biosensors, 2021, 11, 95.	4.7	3
5	Using Megavoltage Computed Tomography to Estimate Radiotherapy Dose for High-Density Metallic Implants. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	0
6	Dry Wearable Textile Electrodes for Portable Electrical Impedance Tomography. Sensors, 2021, 21, 6789.	3.8	7
7	Rapid Detection of Food-Borne Escherichia coli O157:H7 with Visual Inspection by Crossing Priming Amplification (CPA). Food Analytical Methods, 2020, 13, 474-481.	2.6	16
8	Hybridization Chain Reactions Targeting the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). International Journal of Molecular Sciences, 2020, 21, 3216.	4.1	13
9	Low-Fouling Characteristics of Ultrathin Zwitterionic Cysteine SAMs. Langmuir, 2019, 35, 1756-1767.	3.5	18
10	Gold Nanoparticle-Based Colorimetric Strategies for Chemical and Biological Sensing Applications. Nanomaterials, 2019, 9, 861.	4.1	214
11	An automatic multi-thread image segmentation embedded system for surface plasmon resonance sensor. Sensors and Actuators A: Physical, 2019, 285, 603-612.	4.1	6
12	Reversible Spasticity Suppression and Locomotion Change After Pulsed Radiofrequency on the Dorsal Root Ganglia of Rats With Spinal Cord Injury. Neuromodulation, 2019, 22, 53-60.	0.8	2
13	Prototype Deep Brain Stimulation System with Closed-Loop Control Feedback for Modulating Bladder Functions in Traumatic Brain Injured Animals. Journal of Medical and Biological Engineering, 2018, 38, 337-349.	1.8	3
14	A Novel Image Analysis of Light Emitting Diode Array Biostimulation Applied on Microcirculation. , 2018, , .		0
15	Enhancing the Detection of Dysmorphic Red Blood Cells and Renal Tubular Epithelial Cells with a Modified Urinalysis Protocol. Scientific Reports, 2017, 7, 40521.	3.3	13
16	Effects of pulsed-radiofrequency neuromodulation on the rat with overactive bladder. Neurourology and Urodynamics, 2017, 36, 1734-1741.	1.5	7
17	Effect of polymyxin resistance (pmr) on biofilm formation of Cronobacter sakazakii. Microbial Pathogenesis, 2017, 106, 16-19.	2.9	55
18	Reversion of gold nanoparticle aggregates for the detection of Cu ²⁺ and its application in immunoassays. Analyst, The, 2017, 142, 4684-4690.	3.5	11

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19	Rapid label-free visual detection of KRAS mutations using peptide nucleic acid and unmodified gold nanoparticles. <i>RSC Advances</i> , 2017, 7, 48554-48560.	3.6	7
20	Modified maternal ECG cancellation for portable fetal heart rate monitor. <i>Biomedical Signal Processing and Control</i> , 2017, 32, 76-81.	5.7	12
21	Viable but non-culturable state and toxin gene expression of enterohemorrhagic <i>Escherichia coli</i> O157 under cryopreservation. <i>Research in Microbiology</i> , 2017, 168, 188-193.	2.1	110
22	A non-invasive material sensing system and its integrated interface circuits. , 2017, , .		0
23	Current Perspectives on Viable but Non-culturable State in Foodborne Pathogens. <i>Frontiers in Microbiology</i> , 2017, 8, 580.	3.5	234
24	Clinical Effects of Laser Acupuncture plus Chinese Cupping on the Pain and Plasma Cortisol Levels in Patients with Chronic Nonspecific Lower Back Pain: A Randomized Controlled Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-7.	1.2	19
25	Rapid and Delayed Effects of Pulsed Radiofrequency on Neuropathic Pain: Electrophysiological, Molecular, and Behavioral Evidence Supporting Long-Term Depression. <i>Pain Physician</i> , 2017, 20, E269-E283.	0.4	13
26	Interactions between bacterial surface and nanoparticles govern the performance of "chemical nose" biosensors. <i>Biosensors and Bioelectronics</i> , 2016, 83, 115-125.	10.1	30
27	DNA biosensor combining single-wavelength colorimetry and a digital lock-in amplifier within a smartphone. <i>Lab on A Chip</i> , 2016, 16, 4527-4533.	6.0	26
28	Detection of KRAS mutations of colorectal cancer with peptide-nucleic-acid-mediated real-time PCR clamping. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 1155-1162.	1.3	2
29	ARTIFICIAL NEURAL NETWORKS FOR ESTIMATING GLOMERULAR FILTRATION RATE BY URINARY DIPSTICK FOR TYPE 2 DIABETIC PATIENTS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2016, 28, 1650016.	0.6	2
30	Optical fiber sensor based on surface plasmon resonance for rapid detection of avian influenza virus subtype H6: Initial studies. <i>Journal of Virological Methods</i> , 2016, 233, 15-22.	2.1	47
31	DNA base-stacking assay utilizing catalytic hairpin assembly-induced gold nanoparticle aggregation for colorimetric protein sensing. <i>Chemical Communications</i> , 2016, 52, 4167-4170.	4.1	37
32	Aptamer-based colorimetric detection of proteins using a branched DNA cascade amplification strategy and unmodified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 78, 200-205.	10.1	92
33	Effects of pudendal neuromodulation on bladder function in chronic spinal cord-injured rats. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 703-713.	1.7	8
34	Serotonin as a possible biomarker in obstructive sleep apnea. <i>Sleep Medicine Reviews</i> , 2016, 28, 125-132.	8.5	8
35	A novel lab-on-a-chip design by sequential capillary "gravitational valves" for urinary creatinine detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 721-727.	7.8	14
36	A Turbidity Test Based Centrifugal Microfluidics Diagnostic System for Simultaneous Detection of HBV, HCV, and CMV. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	5

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37	Tip-enhanced fluorescence with radially polarized illumination for monitoring loop-mediated isothermal amplification on Hepatitis C virus cDNA. <i>Journal of Biomedical Optics</i> , 2015, 20, 027005.	2.6	5
38	Facile colorimetric detection of human chorionic gonadotropin based on the peptide-induced aggregation of gold nanoparticles. <i>Analytical Methods</i> , 2015, 7, 29-33.	2.7	19
39	Characteristic investigation of scanning surface plasmon microscopy for nucleotide functionalized nanoarray. <i>Optics Express</i> , 2015, 23, 20104.	3.4	1
40	Improvement of the sensitivity of the surface plasmon resonance sensors based on multi-layer modulation techniques. <i>Optics Communications</i> , 2015, 335, 32-36.	2.1	21
41	Clinical application of immunomagnetic reduction for quantitative measurement of insulin-like growth factor binding protein-1 in the prediction of pregnant women with preterm premature rupture of membranes. <i>Clinica Chimica Acta</i> , 2015, 438, 337-341.	1.1	8
42	Comparison of a Novel Computerized Analysis Program and Visual Interpretation of Cardiotocography. <i>PLoS ONE</i> , 2014, 9, e112296.	2.5	12
43	Phonon-assisted transient electroluminescence in Si. <i>Applied Physics Letters</i> , 2014, 104, 261102.	3.3	7
44	Pulsed radiofrequency inhibited activation of spinal mitogen-activated protein kinases and ameliorated early neuropathic pain in rats. <i>European Journal of Pain</i> , 2014, 18, 659-670.	2.8	36
45	Advances in Rapid Detection Methods for Foodborne Pathogens. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 297-312.	2.1	528
46	Micro-wing and pore design in an implantable FPC-based neural stimulation probe for minimally invasive surgery. , 2014, , .		1
47	Colorimetric detection of human chorionic gonadotropin using catalytic gold nanoparticles and a peptide aptamer. <i>Chemical Communications</i> , 2014, 50, 14443-14446.	4.1	53
48	Disposable surface plasmon resonance aptasensor with membrane-based sample handling design for quantitative interferon-gamma detection. <i>Lab on A Chip</i> , 2014, 14, 2968-2977.	6.0	38
49	Label-free colorimetric aptasensor for IgE using DNA pseudoknot probe. <i>Analyst, The</i> , 2014, 139, 3347-3351.	3.5	23
50	Nonfouling Property of Zwitterionic Cysteine Surface. <i>Langmuir</i> , 2014, 30, 6497-6507.	3.5	50
51	Implantable probe with split anchors via residual stress and induced cell growth with gelatin nanofibres. <i>Micro and Nano Letters</i> , 2014, 9, 901-905.	1.3	0
52	EXCITATION COUPLING OF Au/ZnO BAND-GAP ENERGY FOR ENHANCING THE PERFORMANCE OF SURFACE PLASMON RESONANCE BIOSENSOR. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013, 25, 1350055.	0.6	1
53	Comparative Assessment of Oriented Antibody Immobilization on Surface Plasmon Resonance Biosensing. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1449-1456.	1.4	7
54	In Situ Measurement of Tissue Impedance Using an Inductive Coupling Interface Circuit. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013, 7, 225-235.	4.0	5

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55	Calibration of glucose oxidase-based test strips for capillary blood measurement with oxygen saturated venous blood samples. <i>Clinica Chimica Acta</i> , 2013, 415, 152-157.	1.1	2
56	Aptamer-based colorimetric detection of platelet-derived growth factor using unmodified goldnanoparticles. <i>Biosensors and Bioelectronics</i> , 2013, 42, 119-123.	10.1	85
57	Gold nanorods as probes in two-photon fluorescence correlation spectroscopy: Emerging applications and potential artifacts. <i>Microscopy Research and Technique</i> , 2013, 76, 882-889.	2.2	1
58	Improving biocompatibility by surface modification techniques on implantable bioelectronics. <i>Biosensors and Bioelectronics</i> , 2013, 47, 451-460.	10.1	58
59	Metallic tip enhanced fluorescence for DNA replication monitoring. , 2013, 2013, 488-91.		0
60	A Dual-Mode Highly Efficient Class-E Stimulator Controlled by a Low-Q Class-E Power Amplifier Through Duty Cycle. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013, 7, 243-255.	4.0	9
61	Organic-based plasmonic emitters for sensing applications. <i>Applied Optics</i> , 2013, 52, 1383.	1.8	7
62	NANOSTRUCTURED Pt-Ir NON-ENZYMATIC GLUCOSE SENSORS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013, 25, 1350048.	0.6	1
63	Soft Stethoscope for Detecting Asthma Wheeze in Young Children. <i>Sensors</i> , 2013, 13, 7399-7413.	3.8	23
64	QUANTITATIVE EVALUATION OF MULTIVARIATE ANALYSIS METHODS FOR EXCITATION-EMISSION SPECTROSCOPY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013, 25, 1250027.	0.6	1
65	Chaotic phase space differential algorithm for real-time detection of ventricular arrhythmias: Application in animal model. , 2013, 2013, 2152-5.		1
66	Nanodots array rapidly fabricated by Dip-Pen Nanolithography with temperature and humidity control. , 2013, 2013, 492-4.		0
67	Effects of low amplitude pulsed radiofrequency stimulation with different waveform in rats for neuropathic pain. , 2013, 2013, 3590-3.		4
68	Evaluation of the Effect of Laser Acupuncture and Cupping with Ryodoraku and Visual Analog Scale on Low Back Pain. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-7.	1.2	44
69	Clinical Application of Surface Plasmon Resonance-Based Biosensors for Fetal Fibronectin Detection. <i>Sensors</i> , 2012, 12, 3879-3890.	3.8	23
70	A REVERSIBLE OPTICAL SENSOR BASED ON CHITOSAN FILM FOR THE SELECTIVE DETECTION OF COPPER IONS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2012, 24, 453-459.	0.6	9
71	Enhanced optical coupling in localized and band-gap characteristics of plasmonic nanostructure. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
72	Surface plasmon coupled emission in highly directional and sensitive plasmonic devices. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0

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73	Electroplating of Nanostructured Pt, Ir and Pt-Ir at Room Temperature. Journal of the Electrochemical Society, 2012, 159, D518-D520.	2.9	4
74	Diagnostic Devices for Isothermal Nucleic Acid Amplification. Sensors, 2012, 12, 8319-8337.	3.8	117
75	Development of an Au/ZnO thin film surface plasmon resonance-based biosensor immunoassay for the detection of carbohydrate antigen 15â€³ in human saliva. Clinical Biochemistry, 2012, 45, 1689-1693.	1.9	58
76	Dependence of Transport Rate on Area of Lithography and Pretreatment of Tip in Dip-Pen Nanolithography. Langmuir, 2012, 28, 14509-14513.	3.5	18
77	Amplified surface plasmon resonance immunosensor for interferon-Gamma based on a streptavidin-incorporated aptamer. Biosensors and Bioelectronics, 2012, 37, 68-74.	10.1	60
78	A polycarbonate based surface plasmon resonance sensing cartridge for high sensitivity HBV loop-mediated isothermal amplification. Biosensors and Bioelectronics, 2012, 32, 89-95.	10.1	76
79	Rapid identification of Mycobacterium tuberculosis infection by a new array format-based surface plasmon resonance method. Nanoscale Research Letters, 2012, 7, 180.	5.7	39
80	Surface plasmon resonance detection of silver ions and cysteine using DNA intercalator-based amplification. Analytical and Bioanalytical Chemistry, 2012, 402, 2827-2835.	3.7	31
81	Wogonin Improves Histological and Functional Outcomes, and Reduces Activation of TLR4/NF-Î²B Signaling after Experimental Traumatic Brain Injury. PLoS ONE, 2012, 7, e30294.	2.5	72
82	Detection of tip-enhanced fluorescence from loop-mediated isothermal amplification of hepatitis B virus by two-photon microscopy. , 2011, 2011, 490-3.		1
83	An implantable bipolar spine stimulation probe with bio-inspired adhesive microtubes. , 2011, , .		0
84	High efficient driving circuit for traveling wave dielectrophoretic pump. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1980-1985.	5.0	5
85	An amplified surface plasmon resonance â€œturn-onâ€ sensor for mercury ion using gold nanoparticles. Biosensors and Bioelectronics, 2011, 30, 235-240.	10.1	54
86	Analysis and Design of On-sensor ECG Processors for Realtime Detection of Cardiac Anomalies Including VF, VT, and PVC. Journal of Signal Processing Systems, 2011, 65, 275-285.	2.1	5
87	An electromagnetically-driven microfluidic platform with indirect-heating thermo-pneumatic valves. Biochip Journal, 2011, 5, 97-105.	4.9	1
88	A novel DNA selection and direct extraction process and its application in DNA recombination. Electrophoresis, 2011, 32, 423-430.	2.4	8
89	Using a TiO2/ZnO double-layer film for improving the sensing performance of ZnO based NO gas sensor. Sensors and Actuators B: Chemical, 2011, 157, 361-367.	7.8	43
90	A Self-Contained Portable Polymerase-Chain-Reaction System Integrated with Electromagnetic Mini-Actuators for Bi-Directional Fluid Transport. Journal of Mechanics, 2011, 27, 357-364.	1.4	0

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91	IMMUNOMAGNETIC REDUCTION FOR FETAL FIBRONECTIN DETECTION " A NOVEL METHOD TO DETECT THE PRETERM BIOMARKER. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 273-278.	0.6	5
92	Gamma Knife Radiosurgery for Central Neurocytoma: Retrospective Analysis of Fourteen Cases with a Median Follow-Up Period of Sixty-Five Months. Stereotactic and Functional Neurosurgery, 2011, 89, 185-193.	1.5	36
93	Using Polyethylene Glycol-Modified Chitosan for Improvement of Carbohydrate Antigen 15-3 Detection on a Quartz Crystal Microbalance Biosensor. Sensor Letters, 2011, 9, 404-408.	0.4	8
94	Fabrication of NOx gas sensors using In2O3"ZnO composite films. Sensors and Actuators B: Chemical, 2010, 146, 28-34.	7.8	100
95	The differential method of phase space matrix for AF/VF discrimination application. Medical Engineering and Physics, 2010, 32, 444-453.	1.7	10
96	Surface Plasmon Resonance of SnO2/Au Bi-layer Films for Gas Sensing Applications. Sensors and Actuators B: Chemical, 2010, 145, 832-838.	7.8	41
97	INFLUENCE OF CONSTITUTION OF HYBRID FERROCENYL ALKANETHIOLS SELF-ASSEMBLED MONOLAYERS TO INTERFACIAL CHARACTERISTICS ON GOLD SURFACE. Biomedical Engineering - Applications, Basis and Communications, 2010, 22, 25-31.	0.6	1
98	Optical Characterization of a 1-D Nanostructure by Dark-Field Microscopy and Surface Plasmon Resonance to Determine Biomolecular Interactions. IEEE Sensors Journal, 2010, 10, 712-719.	4.7	2
99	Preparation of Protein Nanoarray on Silicon Surface by Atomic Force Microscopy Nanofabrication. Journal of Nanoscience and Nanotechnology, 2010, 10, 4505-4510.	0.9	1
100	The studies of Schottky-diode based co-plane detector for surface plasmon resonance sensing. Proceedings of SPIE, 2010, , .	0.8	0
101	Emission Characteristics of Organic Light-Emitting Diodes and Organic Thin-Films with Planar and Corrugated Structures. International Journal of Molecular Sciences, 2010, 11, 1527-1545.	4.1	63
102	Pain Control on Demand Based on Pulsed Radio-Frequency Stimulation of the Dorsal Root Ganglion Using a Batteryless Implantable CMOS SoC. IEEE Transactions on Biomedical Circuits and Systems, 2010, 4, 350-359.	4.0	39
103	Analysis and design of on-sensor ECG processors for realtime detection of VF, VT, and PVC. , 2010, , .		7
104	Electrode modified with a composite film of ZnO nanorods and Ag nanoparticles as a sensor for hydrogen peroxide. Talanta, 2010, 82, 340-347.	5.5	138
105	High-Sensitivity Detection of Carbohydrate Antigen 15-3 Using a Gold/Zinc Oxide Thin Film Surface Plasmon Resonance-Based Biosensor. Analytical Chemistry, 2010, 82, 1207-1212.	6.5	145
106	Pain control on demand based on pulsed radio-frequency stimulation of the dorsal root ganglion using a batteryless implantable CMOS SoC. , 2010, , .		13
107	A Comparison Between Pulsed Radiofrequency and Electro-acupuncture for Relieving Pain in Patients with Chronic Low Back Pain. Acupuncture and Electro-Therapeutics Research, 2010, 35, 133-146.	0.2	11
108	Directional photoluminescence enhancement of organic emitters via surface plasmon coupling. Applied Physics Letters, 2009, 94, .	3.3	28

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109	ROOM-TEMPERATURE NITRIC OXIDE GAS SENSING OF PEDOT THIN FILM USING SURFACE PLASMON RESONANCE. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 395-398.	0.6	1
110	SOFT SENSORS FOR MONITORING RESPIRATORY AND HEART SOUND. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 453-456.	0.6	1
111	Fabrication of NO _x gas sensors using In ₂ O ₃ -ZnO composite thin Films. , 2009, , .		0
112	RECOGNITION OF VOLATILE ORGANIC COMPOUNDS UTILIZING A PORTABLE ELECTRONIC NOSE. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 427-431.	0.6	2
113	AN ELLIPSOMETRIC STUDY ON THE DENSITY AND FUNCTIONALITY OF ANTIBODY LAYERS IMMOBILIZED BY A RANDOMLY COVALENT METHOD AND A PROTEIN A-ORIENTED METHOD. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 303-310.	0.6	6
114	Electrical properties of single and multiple poly(3,4-ethylenedioxythiophene) nanowires for sensing nitric oxide gas. Analytica Chimica Acta, 2009, 640, 68-74.	5.4	74
115	Fabrication of a molecularly imprinted polymer sensor by self-assembling monolayer/mediator system. Analytica Chimica Acta, 2009, 643, 38-44.	5.4	34
116	Surface plasmon resonance response of Au@WO ₃ composite films. Applied Physics A: Materials Science and Processing, 2009, 97, 489-496.	2.3	12
117	Surface plasmon effects on two photon luminescence of gold nanorods. Optics Express, 2009, 17, 11350.	3.4	75
118	A Self-Contained Miniaturized PCR System using Electromagnetic Actuators. , 2009, , .		1
119	Fabrication Process of Integrated Multi-Analyte Biochip System for Implantable Application. , 2009, , .		4
120	The development and evaluation of the citizen telehealth care service system: Case study in taipei. , 2009, 2009, 6095-8.		4
121	A comparative study of a new cardiocography analysis program. , 2009, 2009, 2567-70.		7
122	Hybrid nano plasmonics for integrated biosensor. Proceedings of SPIE, 2009, , .	0.8	1
123	Nanopatterning on Silicon Wafers Using AFM-Based Lithography for Solar Cells. Journal of Nanoscience and Nanotechnology, 2009, 9, 1696-1700.	0.9	5
124	Light control in organic electroluminescence devices by plasmonic grating coupled emission for biochemical applications. , 2009, , .		0
125	Novel Fabrication of Full Parylene-Isolated Neuroprobes. Journal of Bionanoscience, 2009, 3, 58-60.	0.4	2
126	Monitoring Biomolecular Interaction with 1-D Plasmonic Nanostructure by Using Dark Field Microscopy. IFMBE Proceedings, 2009, , 2300-2303.	0.3	0

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127	Rapid wheezing detection algorithm for real-time asthma diagnosis and personal health care. IFMBE Proceedings, 2009, , 264-267.	0.3	2
128	A Novel Multivariate Analysis Method with Noise Reduction. IFMBE Proceedings, 2009, , 133-137.	0.3	0
129	Simulation of surface plasmon resonance of Au@WO ₃ and Ag@WO ₃ nanocomposite films. Sensors and Actuators B: Chemical, 2008, 134, 502-509.	7.8	41
130	Compact optical diagnostic device for isothermal nucleic acids amplification. Sensors and Actuators B: Chemical, 2008, 133, 493-501.	7.8	53
131	Surface Plasmon Resonance Gas Sensors Using Au-WO ₃ -x Nanocomposite Films. , 2008, , .		5
132	NO gas sensor of PEDOT: PSS nanowires by using direct patterning DPN. , 2008, 2008, 3208-11.		0
133	Advanced Plasmonic Biosensing Devices and Automation Systems for Disease Diagnostic and Drug Screening Applications. , 2008, , .		1
134	EDUCATION SYSTEM INTEGRATION IN CROSS-DISCIPLINARY WITH COLLEGES "VIRTUAL BIOMEDICAL INSTRUMENT (VBI) FOR EXAMPLE. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 153-160.	0.6	1
135	Label-free imaging of Drosophila larva by multiphoton autofluorescence and second harmonic generation microscopy. Journal of Biomedical Optics, 2008, 13, 050502.	2.6	19
136	Surface plasmon resonance biochip based on ZnO thin film for nitric oxide sensing. , 2008, 2008, 5757-60.		3
137	Fabrication of silicon dioxide nano array for bio-mimicking of molecular interactions. , 2008, , .		0
138	Label-free in vivo imaging of Drosophila melanogaster by multiphoton microscopy. Proceedings of SPIE, 2008, , .	0.8	0
139	Surface Plasmon Resonance Biochip Based on ZnO Thin Film for Nitric Oxide Sensing. Journal of Bionanoscience, 2008, 2, 62-66.	0.4	7
140	Analysis of Protein Aggregation in Sub-Femtoliter Volume by Two-Photon-Based Fluorescence Correlation Spectroscopy. Journal of Bionanoscience, 2008, 2, 97-101.	0.4	1
141	Solutions of SAT Problems Solved by a SPR-Based DNA Processor. , 2008, , .		0
142	Chemiresistive NO Gas Sensor Based on Zinc Oxide Nanorods. Journal of Bionanoscience, 2008, 2, 102-108.	0.4	1
143	Development and measurement of two-photon-base fluorescence correlation spectroscopy. , 2007, , .		0
144	Nanostructure Induced Surface Plasma Resonance of Broadband Organic Emitting Materials. , 2007, , .		0

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145	Completely Parylene-Coated Neuroprobe for Chronic Recording. , 2007, , .		2
146	Enhanced luminescence of organic/metal nanostructure for grating coupler active long-range surface plasmonic device. Applied Physics Letters, 2007, 91, 083114.	3.3	40
147	Nano Fabrication of Conducting Polymers for NO Gas by Dip Pen Nanolithography. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2253-6.	0.5	0
148	OPTIMAL HEPATITIS B VIRUS PRIMER SEQUENCE DESIGN FOR ISOTHERMAL AMPLIFICATION. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 137-144.	0.6	6
149	Tensile Bond Strength of Er, Cr: YSGG Laser-irradiated Human Dentin to Composite Inlays with Two Resin Cements. Dental Materials Journal, 2007, 26, 746-755.	1.8	19
150	A hyper-step DNA computing system based on surface plasmon resonance. , 2007, , .		0
151	A novel microlens arrays coupler of surface plasmon resonance for biochemical applications. , 2007, , .		2
152	Density-dependent optical response of gold nanoparticle monolayers on silicon substrates. Optics Letters, 2007, 32, 2128.	3.3	17
153	Enhancement and tunability of active plasmonic by multilayer grating coupled emission. Optics Express, 2007, 15, 11608.	3.4	42
154	Extraction efficiency enhancement of an OLED using surface plasmon resonance. , 2007, , .		0
155	Micro-viscometer based on electrowetting on dielectric. Electrochimica Acta, 2007, 52, 2876-2883.	5.2	31
156	Efficient, specific, compact hepatitis B diagnostic device: Optical detection of the hepatitis B virus by isothermal amplification. Sensors and Actuators B: Chemical, 2007, 127, 598-605.	7.8	39
157	Apocynin alleviated hepatic oxidative burden and reduced liver injury in hypercholesterolaemia. Liver International, 2007, 27, 529-537.	3.9	21
158	Dynamic response of glucagon/anti-glucagon pairs to pulling velocity and pH studied by atomic force microscopy. Biosensors and Bioelectronics, 2007, 22, 1013-1019.	10.1	12
159	Miniature isothermal amplification reactor with an integrated optical detection unit. , 2007, , 648-650.		2
160	Toward Integrated Plasmonics for Biosensing. , 2007, , .		0
161	The Development of Virtual Testing Resource for Medical Devices in Hsin-Chu Biomedical Science Park. , 2007, , 3812-3815.		0
162	OPTIMAL HEPATITIS B VIRUS PRIMER SEQUENCE DESIGN FOR ISOTHERMAL AMPLIFICATION. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 137.	0.6	0

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163	Novel Designs of Herringbone Chaotic Mixers. , 2006, , .		2
164	Advanced Metal Nanostructure Design for Surface Plasmon Photonic Bandgap Biosensor Device. , 2006, Suppl, 6521-4.		6
165	Novel Biomolecular Finger Printing with an Active Dual-Band Antenna Biosensor. , 2006, , .		1
166	Enhanced luminescence of organic/metal nanostructure with symmetric dielectric layers for long-range surface plasmon polaritons. , 2006, , .		1
167	A miniaturized germanium-doped silicon dioxide-based surface plasmon resonance waveguide sensor for immunoassay detection. Biosensors and Bioelectronics, 2006, 22, 519-525.	10.1	51
168	Admittance loci design method for multilayer surface plasmon resonance devices. Sensors and Actuators B: Chemical, 2006, 117, 219-229.	7.8	47
169	Design and fabrication of an alternating dielectric multi-layer device for surface plasmon resonance sensor. Sensors and Actuators B: Chemical, 2006, 113, 169-176.	7.8	78
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