

Jung-Chuan Chou

List of Publications by Year in descending order

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252
papers

3,996
citations

156536

32
h-index

198040

52
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253
all docs

253
docs citations

253
times ranked

3016
citing authors

#	ARTICLE	IF	CITATIONS
1	The Photovoltaic Performance of the DSSC With the Photoanode Modified by $\text{Fe}_2\text{O}_3/\text{TiO}_2$ Nanofibers Under Low Illumination. IEEE Journal of Photovoltaics, 2022, 12, 618-624.	1.5	0
2	Novel Potentiometric Non-Enzymatic Ascorbic Acid Sensor Based on Molybdenum Oxide Film and Copper Nanoparticles. IEEE Sensors Journal, 2022, 22, 50-60.	2.4	13
3	Photoanode Modified by PbTiO_3 or $\text{PbTiO}_3/\text{TiO}_2$ Nanofibers in Dye-Sensitized Solar Cell. IEEE Transactions on Electron Devices, 2022, 69, 1137-1142.	1.6	3
4	Optimization and Application of TiO_2 Hollow Microsphere Modified Scattering Layer for the Photovoltaic Conversion Efficiency of Dye-Sensitized Solar Cell. IEEE Transactions on Semiconductor Manufacturing, 2022, 35, 363-371.	1.4	3
5	Increasing the Photovoltaic Performance of Dye-Sensitized Solar Cells by Zinc Oxide Film as a Recombination Blocking Layer. IEEE Transactions on Electron Devices, 2022, 69, 5004-5011.	1.6	3
6	Investigation of Flexible Arrayed Urea Biosensor Based on Graphene Oxide/Nickel Oxide Films Modified by Au Nanoparticles. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	13
7	The Flexible Arrayed Non-Enzymatic CZO Glucose Sensor Utilizing Silver Nanowires and Nafion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	8
8	Preparation and Characterization of the Dye-Sensitized Solar Cell With Modified Photoanode by FePt/TiO_2 Nanofibers. IEEE Nanotechnology Magazine, 2021, 20, 507-511.	1.1	4
9	$\text{AgNWs}/\text{TiO}_2$ and $\text{AgNPs}/\text{TiO}_2$ Double-Layer Photoanode Film Improving Light Capture and Application under Low Illumination. Chemosensors, 2021, 9, 36.	1.8	5
10	The Characterization of Dye-Sensitized Solar Cell Modified by Reduced Graphene Oxide- and ZrO_2 -Doped TiO_2 Nanofibers at Low Light Intensities. IEEE Transactions on Electron Devices, 2021, 68, 1155-1161.	1.6	3
11	Characteristics and Stability of a Flexible Arrayed Uric Acid Biosensor Based on NiO Film Modified by Graphene and Magnetic Beads. IEEE Sensors Journal, 2021, 21, 7218-7225.	2.4	13
12	Fabrication and Characterization of an Efficient Inverted Perovskite Solar Cells with POSS Passivating Hole Transport Layer. Nanomaterials, 2021, 11, 974.	1.9	10
13	Investigation of Flexible Arrayed Lactate Biosensor Based on Copper Doped Zinc Oxide Films Modified by Iron-Platinum Nanoparticles. Polymers, 2021, 13, 2062.	2.0	11
14	Study of the Glucose Sensor Based on Potentiometric Non-Enzymatic Nafion/CZO Thin Film. IEEE Sensors Journal, 2021, 21, 15926-15934.	2.4	9
15	Fabrication of a Sensitive and Stable NiO Uric Acid Biosensor Using Ag Nanowires and Reduced Graphene Oxide. Energies, 2021, 14, 4696.	1.6	1
16	Silver Nanowires Modified Flexible Dye-Sensitive Solar Cells and Application With the Internet of Things Under Low Illumination. IEEE Journal of Photovoltaics, 2021, 11, 1243-1250.	1.5	6
17	Improving Photovoltaic Performance of Dye-Sensitized Solar Cell by Modification of Photoanode With $\text{g-C}_3\text{N}_4/\text{TiO}_2$ Nanofibers. IEEE Transactions on Electron Devices, 2021, 68, 4982-4988.	1.6	0
18	Study of the Nonenzymatic CZO Lactic Acid Sensor Modified by Graphitic Carbon Nitride and Iron-Platinum Nanoparticles. IEEE Transactions on Electron Devices, 2021, 68, 5142-5148.	1.6	5

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19	Electron Conduction Channel of Silver Nanowire Modified TiO ₂ , Photoanode for Improvement of Interface Impedance of Dye-Sensitized Solar Cell. IEEE Journal of the Electron Devices Society, 2021, 9, 250-256.	1.2	8
20	Improving the Drift Effect and Hysteresis Effect of Urea Biosensor Based on Graphene Oxide/Nickel Oxide Sensing Film Modified Either by Au Nanoparticles or Fe_3O_4 Nanoparticles Using Back-End Calibration Circuit. IEEE Journal of the Electron Devices Society, 2021, 9, 242-249.	1.2	4
21	Combination of the Microfluidic System and NiO Uric Acid Biosensor Modified by Ag Nanomaterials. IEEE Access, 2021, 9, 161407-161415.	2.6	2
22	Application of the Non-Enzymatic Glucose Sensor Combined with Microfluidic System and Calibration Readout Circuit. Chemosensors, 2021, 9, 351.	1.8	2
23	Photovoltaic Properties of an rGO/Pt Counter Electrode With AZO Photoanode for Dye-Sensitized Solar Cells Under Low Light Intensity. IEEE Transactions on Semiconductor Manufacturing, 2020, 33, 121-127.	1.4	3
24	Investigation on Photoanode Modified With TiO ₂ @ZnO@Ag Nanofibers in Dye-Sensitized Solar Cell Under Different Intensities of Illuminations. IEEE Transactions on Electron Devices, 2020, 67, 4983-4989.	1.6	3
25	The Analysis of Potentiometric Flexible Arrayed Urea Biosensor Modified by Graphene Oxide and Fe_3O_4 Nanoparticles. IEEE Transactions on Electron Devices, 2020, 67, 5104-5110.	1.6	13
26	Study of Novel Dye-Sensitized Solar Cells With Modified Photoelectrode by ZrO ₂ and rGO Doped TiO ₂ Composite Nanofibers. IEEE Transactions on Electron Devices, 2020, 67, 3660-3666.	1.6	4
27	Improving DSSC Performance Using Enhanced Double Layers Based on Magnetic Beads and Reduced Graphene Oxide. IEEE Nanotechnology Magazine, 2020, 19, 375-381.	1.1	2
28	A Facile Fabrication of a Potentiometric Arrayed Glucose Biosensor Based on Nafion-GOx/GO/AZO. Sensors, 2020, 20, 964.	2.1	21
29	Investigation of Dye-Sensitized Solar Cell With Photoanode Modified by TiO ₂ -ZnO Nanofibers. IEEE Transactions on Semiconductor Manufacturing, 2020, 33, 295-301.	1.4	12
30	Study of How Photoelectrodes Modified by TiO ₂ /Ag Nanofibers in Various Structures Enhance the Efficiency of Dye-Sensitized Solar Cells under Low Illumination. Energies, 2020, 13, 2248.	1.6	18
31	Dye-Sensitized Solar Cell Using TiO ₂ / AgNWs Film: Application under Low Illumination. , 2020, , .		0
32	The Analysis of the Urea Biosensors Using Different Sensing Matrices via Wireless Measurement System & Microfluidic Measurement System. Sensors, 2019, 19, 3004.	2.1	16
33	A Sensitive Potentiometric Biosensor Using MBs-AO/GO/ZnO Membranes-Based Arrayed Screen-Printed Electrodes for AA Detection and Remote Monitoring. IEEE Access, 2019, 7, 105962-105972.	2.6	18
34	Dye-Sensitized Solar Cells Using Aluminum-Doped Zinc Oxide/Titanium Dioxide Photoanodes in Parallel. Energies, 2019, 12, 3469.	1.6	9
35	The Flexible Urea Biosensor Using Magnetic Nanoparticles. IEEE Nanotechnology Magazine, 2019, 18, 484-490.	1.1	20
36	Enhanced photovoltaic conversion efficiency in dye-sensitized solar cells based on photoanode consisting of TiO ₂ /GO/Ag nanofibers. Vacuum, 2019, 167, 47-53.	1.6	30

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37	Fabrication of Dye-Sensitized Solar Cells Using Zinc Oxide Nanorod-Modified Titanium Dioxide Photoanode. IEEE Nanotechnology Magazine, 2019, 18, 553-561.	1.1	8
38	Fabrication and Electrochemical Impedance Analysis of Dye-Sensitized Solar Cells With Titanium Dioxide Compact Layer and Graphene Oxide Dye Absorption Layer. IEEE Nanotechnology Magazine, 2019, 18, 461-466.	1.1	14
39	Enzymatic Urea Sensor Based on Graphene Oxide/Titanium Dioxide Films Modified by Urease-Magnetic Beads. IEEE Nanotechnology Magazine, 2019, 18, 336-344.	1.1	13
40	Improving the Properties of L-Ascorbic Acid Biosensor Based on GO/IGZO/Al Using Magnetic Beads. IEEE Transactions on Electron Devices, 2019, 66, 1924-1929.	1.6	9
41	A Study on Selectivity and Temperature Coefficients of the Chloride Ion Sensors With RuOx Thin Film. IEEE Journal of the Electron Devices Society, 2019, 7, 140-149.	1.2	1
42	Determination of L-Ascorbic Acid Using MBs-AOX/GO/IGZO/Al by Wireless Sensing System and Microfluidic Framework. IEEE Access, 2019, 7, 45872-45880.	2.6	5
43	The Retardation Structure for Improvement of Photovoltaic Performances of Dye-Sensitized Solar Cell Under Low Illumination. IEEE Journal of Photovoltaics, 2019, 9, 926-933.	1.5	7
44	Integrating a Plastic Glucose Biosensor Based on Arrayed Screen-Printed Electrodes Utilizing Magnetic Beads with a Microfluidic Device. IEEE Journal of the Electron Devices Society, 2019, 7, 1151-1160.	1.2	9
45	Analysis of Chloride Ion Sensor Modified by Graphene Oxide Under Microfluid Flow. IEEE Sensors Journal, 2019, 19, 3217-3223.	2.4	7
46	Characterization of Flexible Arrayed pH Sensor Based on Nickel Oxide Films. IEEE Sensors Journal, 2018, 18, 605-612.	2.4	32
47	A Barrier Structure for Photoelectrode of Dye-Sensitized Solar Cell for Enhancing Efficiency. IEEE Photonics Technology Letters, 2018, 30, 521-524.	1.3	7
48	Investigation of Sensing Characteristic of Flexible Arrayed RuO ₂ Chlorine Ion Sensor Modified by Graphene Oxide. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 295-301.	1.4	2
49	Flexible Arrayed Enzymatic L-Ascorbic Acid Biosensor Based on IGZO/Al Membrane Modified by Graphene Oxide. IEEE Nanotechnology Magazine, 2018, 17, 452-459.	1.1	10
50	Remote Detection for Glucose and Lactate Based on Flexible Sensor Array. IEEE Sensors Journal, 2018, 18, 3467-3474.	2.4	15
51	Sensing Characteristic of Arrayed Flexible Indium Gallium Zinc Oxide Lactate Biosensor Modified by GO and Magnetic Beads. IEEE Nanotechnology Magazine, 2018, 17, 147-153.	1.1	10
52	Research of sensing characteristic and dynamic measurement of graphene oxides modified flexible arrayed RuO ₂ chlorine ion sensor. Materials Research Bulletin, 2018, 101, 155-161.	2.7	9
53	Investigation on Iodine Concentration of Electrolyte for Dye-Sensitized Solar Cell With Platinum Counter Electrode Modified by Graphene Oxide and Magnetic Beads. IEEE Nanotechnology Magazine, 2018, 17, 133-139.	1.1	3
54	IGZO/TiO ₂ Compositing Film as a Photoelectrode With Reduced Graphene Oxide/Pt Counter Electrode for a Dye-Sensitized Solar Cell. IEEE Journal of Photovoltaics, 2018, , 1-8.	1.5	7

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55	Reaction of NiO film on flexible substrates with buffer solutions and application to flexible arrayed lactate biosensor. <i>Microelectronics Reliability</i> , 2018, 83, 249-253.	0.9	10
56	Investigation of properties for dye-sensitized solar cells in series-parallel connection modules. , 2018, , .		1
57	An investigation on the photovoltaic properties of dye-sensitized solar cell based on titanium dioxide " Reduced graphene oxide composite photoelectrode under low illumination. , 2018, , .		0
58	Investigation of Sensitivities and Drift Effects of the Arrayed Flexible Chloride Sensor Based on RuO ₂ /GO at Different Temperatures. <i>Sensors</i> , 2018, 18, 632.	2.1	15
59	Fabrication and Characteristic Analysis for Enzymatic Glucose Biosensor Modified by Graphene Oxide and Magnetic Beads Based on Microfluidic Framework. <i>IEEE Sensors Journal</i> , 2017, 17, 1741-1748.	2.4	21
60	The research of differential reference electrode arrayed flexible IGZO glucose biosensor based on microfluidic framework. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
61	The influence of flexible dye-sensitized solar cell modified by different magnetic bead contents. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
62	Fabrication and Photovoltaic Properties of Dye-Sensitized Solar Cells Based on Graphene-TiO ₂ Composite Photoelectrode With ZnO Nanowires. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2017, 30, 531-538.	1.4	6
63	The Fabrication and Sensing Characteristics of Arrayed Flexible IGZO/Al Urea Biosensor Modified by Graphene Oxide. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 958-964.	1.1	8
64	Sensing Characteristic of Arrayed Flexible Indium Gallium Zinc Oxide Lactate Biosensor Modified by Magnetic Beads. <i>IEEE Sensors Journal</i> , 2017, 17, 5920-5926.	2.4	6
65	Photovoltaic Analysis of Platinum Counter Electrode Modified by Graphene Oxide and Magnetic Beads for Dye-Sensitized Solar Cell. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2017, 30, 270-275.	1.4	12
66	An Investigation on the Photovoltaic Properties of Dye-Sensitized Solar Cells Based on Fe ₃ O ₄ -TiO ₂ Compositized Photoelectrode. <i>IEEE Journal of the Electron Devices Society</i> , 2017, 5, 32-39.	1.2	21
67	Poly(3,3-dibenzyl-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine)/Platinum Composite Films as Potential Counter Electrodes for Dye-Sensitized Solar Cells. <i>Polymers</i> , 2017, 9, 271.	2.0	8
68	Fabrication of Flexible Arrayed Lactate Biosensor Based on Immobilizing LDH-NAD ⁺ on NiO Film Modified by GO and MBs. <i>Sensors</i> , 2017, 17, 1618.	2.1	13
69	Analysis of Different Series-Parallel Connection Modules for Dye-Sensitized Solar Cell by Electrochemical Impedance Spectroscopy. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-8.	1.4	8
70	Research of Non-Ideal Effect and Dynamic Measurement of the Flexible-Arrayed Chlorine Ion Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 4683-4690.	2.4	21
71	Effect of different contents of magnetic beads on enzymatic IGZO glucose biosensor. <i>Materials Letters</i> , 2016, 175, 241-243.	1.3	10
72	Fabrication of the enzymatic glucose biosensor based on indium gallium zinc oxide sensing electrode. <i>Materials Letters</i> , 2016, 176, 94-96.	1.3	5

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73	Photovoltaic Performance Analysis of Dye-Sensitized Solar Cell With ZnO Compact Layer and TiO ₂ /Graphene Oxide Composite Photoanode. IEEE Journal of the Electron Devices Society, 2016, 4, 402-409.	1.2	10
74	The Characteristic Analysis of IGZO/Al pH Sensor and Glucose Biosensor in Static and Dynamic Measurements. IEEE Sensors Journal, 2016, , 1-1.	2.4	16
75	Analysis of non-ideal effects and electrochemical impedance spectroscopy of arrayed flexible NiO-based pH sensor. , 2016, , .		0
76	Wireless Sensing System for Flexible Arrayed Potentiometric Sensor Based on XBee Module. IEEE Sensors Journal, 2016, 16, 5588-5595.	2.4	19
77	The Incorporation of Graphene and Magnetic Beads Into Dye-Sensitized Solar Cells and Application With Electrochemical Capacitor. IEEE Journal of Photovoltaics, 2016, 6, 223-229.	1.5	6
78	The Influence of Different Annealing Temperatures on Graphene-Modified TiO ₂ for Dye-Sensitized Solar Cell. IEEE Nanotechnology Magazine, 2016, 15, 164-170.	1.1	7
79	A study of drift characteristic in arrayed flexible chlorine ion sensors with differential reference electrodes. , 2015, , .		0
80	Characteristic of arrayed flexible glucose biosensor integrated with the microfluidic device. , 2015, , .		0
81	The analysis of dye-sensitized solar cells modified by different contents of graphene via electrophoretic deposition. , 2015, , .		0
82	The research of the differential reference electrode arrayed flexible IGZO pH sensor for different Ar/O ² ratios. , 2015, , .		0
83	The Investigation of ZnO Nanowires/ITO/Glass Substrate on Electrochromic Properties for PMeT Thin Film. Journal of Display Technology, 2015, 11, 430-437.	1.3	6
84	Fabrication and Characteristic Analysis of a Remote Real-Time Monitoring Applied to Glucose Sensor System Based on Microfluidic Framework. IEEE Sensors Journal, 2015, 15, 3234-3240.	2.4	10
85	Effect of Different Graphene Oxide Contents on Dye-Sensitized Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 1106-1112.	1.5	14
86	Fabrication of Potentiometric Enzymatic Glucose Biosensor Based on Graphene and Magnetic Beads. IEEE Sensors Journal, 2015, 15, 5278-5284.	2.4	8
87	Electrochromic Characteristics of Polyaniline and Poly(3-Methylthiophene) Thin Films for Display. Journal of Display Technology, 2015, 11, 443-449.	1.3	8
88	Fabrication and Photovoltaic Properties of Dye-Sensitized Solar Cells Modified by Graphene Oxide and Magnetic Bead. IEEE Electron Device Letters, 2015, 36, 711-713.	2.2	17
89	Dynamic and Wireless Sensing Measurements of Potentiometric Glucose Biosensor Based on Graphene and Magnetic Beads. IEEE Sensors Journal, 2015, 15, 5718-5725.	2.4	26
90	A Study on Electrochemical and Optical Characteristics of WO _{1-x} Electrochromic Thin Film Prepared by Different Constant Potentials and Deposition Time. Journal of Display Technology, 2015, , 1-1.	1.3	1

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91	Analysis of different dye-sensitized solar cell models by electrochemical impedance spectroscopy. , 2015, , .		0
92	The Influence of Electrophoretic Deposition for Fabricating Dye-Sensitized Solar Cell. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	12
93	Photoelectric Characteristics and Equivalent Circuit Analysis of Flexible Tungsten Oxide Electrochromic Thin Film. Journal of Display Technology, 2014, 10, 821-826.	1.3	3
94	Data Fusion and Fault Diagnosis for Flexible Arrayed pH Sensor Measurement System Based on LabVIEW. IEEE Sensors Journal, 2014, 14, 1405-1411.	2.4	17
95	Fabrication of Arrayed Flexible Screen-Printed Glucose Biosensor Based on Microfluidic Framework. IEEE Sensors Journal, 2014, 14, 178-183.	2.4	26
96	Fabrication and Characteristic Analysis of Arrayed Electrochromic Display Based on Tertiary Colors. Journal of Display Technology, 2014, 10, 853-861.	1.3	1
97	Electrochemical Analysis of Photoelectrochromic Device Combined Dye-Sensitized Solar Cell. IEEE Nanotechnology Magazine, 2014, 13, 954-962.	1.1	9
98	Coaxial-structured ZnO/silicon nanowires extended-gate field-effect transistor as pH sensor. Thin Solid Films, 2013, 529, 173-176.	0.8	62
99	The investigation of surface roughness of substrate on electrochromic characteristics for PMeT thin film. , 2013, , .		0
100	Fabrication and Investigation of Arrayed Glucose Biosensor Based on Microfluidic Framework. IEEE Sensors Journal, 2013, 13, 4180-4187.	2.4	8
101	Fabrication and research of flexible arrayed glucose biosensor combined with the magnetic beads. , 2013, , .		0
102	Application of Microfluidic Device for Lactic Biosensor. IEEE Sensors Journal, 2013, 13, 1363-1370.	2.4	18
103	Reliability of Measured Data for pH Sensor Arrays with Fault Diagnosis and Data Fusion Based on LabVIEW. Sensors, 2013, 13, 17281-17291.	2.1	2
104	Analysis of mutual electrolyte structure applied in arrayed flexible dye-sensitized solar cells. , 2013, , .		0
105	A novel and high performance potentiometric arrayed flexible glucose biosensor based on microfluidic device. , 2013, , .		0
106	Comparison of pH Data Measured with a pH Sensor Array Using Different Data Fusion Methods. Sensors, 2012, 12, 12098-12109.	2.1	2
107	Development of signal readout and real time monitor system for biosensor. , 2012, , .		0
108	A Novel pH Sensor of Extended-Gate Field-Effect Transistors With Laser-Irradiated Carbon-Nanotube Network. IEEE Electron Device Letters, 2012, 33, 1622-1624.	2.2	39

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109	Investigation of characteristics of tungsten oxide with different work pressures in photoelectrochromic cell. , 2012, , .		0
110	The pH Sensing Characteristics of the Extended-Gate Field-Effect Transistors of Multi-Walled Carbon-Nanotube Thin Film Using Low-Temperature Ultrasonic Spray Method. Journal of Nanoscience and Nanotechnology, 2012, 12, 5423-5428.	0.9	6
111	Study on a Multi-Ions Sensing System for Monitoring of Blood Electrolytes With Wireless Home-Care System. IEEE Sensors Journal, 2012, 12, 967-977.	2.4	17
112	Development of Microcontroller Applied to Chlorine Ion Measurement System. IEEE Sensors Journal, 2012, 12, 2215-2221.	2.4	2
113	An Extended-Gate Field-Effect Transistor With Low-Temperature Hydrothermally Synthesized SnO_2 Nanorods as pH Sensor. IEEE Electron Device Letters, 2012, 33, 1495-1497.	2.2	52
114	Fabrication of the array chlorine ion sensor based on microfluidic device framework. Solid-State Electronics, 2012, 77, 87-92.	0.8	20
115	Investigation on the sensitivity of TiO_2 :Ru pH sensor by Taguchi design of experiment. Solid-State Electronics, 2012, 77, 82-86.	0.8	6
116	Fabrication of flexible dye-sensitized solar cells with titanium dioxide thin films based on screen-printing technique. Micro and Nano Letters, 2012, 7, 1162-1165.	0.6	9
117	Chloride ion selective electrode for detection of low chloride ion concentration. , 2011, , .		0
118	Investigation on the sensitivity of TiO_2 :Ru pH sensor by Taguchi design of experiment. , 2011, , .		0
119	Potentiometric nano-grained TiO_2 : Ru-based nafion/uric acid biosensor. , 2011, , .		0
120	Fabrication of photoelectrochromic cell on flexible substrate by screen printing technique. , 2011, , .		1
121	pH Sensing Characteristics of Extended-Gate Field-Effect Transistor Based on Al-Doped ZnO Nanostructures Hydrothermally Synthesized at Low Temperatures. IEEE Electron Device Letters, 2011, 32, 1603-1605.	2.2	32
122	Fabrication of the flexible biosensor based on microfluidic device framework. , 2011, , .		0
123	Study on All-Solid-State Chloride Sensor Based on Tin Oxide/Indium Tin Oxide Glass. Japanese Journal of Applied Physics, 2011, 50, 037001.	0.8	6
124	Study on a multi-ion sensing system with wireless homecare system. , 2011, , .		0
125	New Calibration Methods to Eliminate the Non-Ideal Effect of Drift and Hysteresis in All-Solid-State Potassium Electrode. IEEE Sensors Journal, 2011, 11, 1263-1273.	2.4	3
126	Research of Titanium Dioxide Compact Layer Applied to Dye-Sensitized Solar Cell with Different Substrates. Journal of the Electrochemical Society, 2011, 159, A145-A151.	1.3	10

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127	Study on Potentiometric Glucose Biosensor Based on Separative Extended Gate Field Effect Transistor. Sensor Letters, 2011, 9, 143-146.	0.4	7
128	Study on All-Solid-State Chloride Sensor Based on Tin Oxide/Indium Tin Oxide Glass. Japanese Journal of Applied Physics, 2011, 50, 037001.	0.8	9
129	Material Analysis on Different Processing Parameters of the Ruthenium-Doped TiO ₂ Sensing Film by Taguchi Method. Sensor Letters, 2011, 9, 338-342.	0.4	0
130	Glucose biosensor of ruthenium-doped TiO ₂ sensing electrode by co-sputtering system. Microelectronics Reliability, 2010, 50, 753-756.	0.9	35
131	Influence of electrodeposition potential and heat treatment on structural properties of CdTe films. Thin Solid Films, 2010, 518, 4197-4202.	0.8	28
132	VIRTUAL INSTRUMENT APPLIED TO MULTIELECTRODE DETECTION. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 375-379.	0.3	0
133	pH Sensing of Ba _{0.7} Sr _{0.3} TiO ₃ ·SiO ₂ Film for Metal-Oxide-Semiconductor and Ion-Sensitive Field-Effect Transistor Devices. Journal of the Electrochemical Society, 2009, 156, G59.	1.3	7
134	Characteristics of Cost-Effective Ultrathin HfTiO _x Film as Sensitive Membrane in ISFET Fabricated by Anodization. Journal of the Electrochemical Society, 2009, 156, H225.	1.3	4
135	Integration of Dual-Mode Glucose Biosensor and pH Sensor via a SnO ₂ /Carbon Electrode and Dual-Mode Circuit. Journal of the Electrochemical Society, 2009, 156, J21.	1.3	7
136	PREPARATION AND CHARACTERISTICS OF SCREEN-PRINTED CALCIUM ION SENSOR. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 381-384.	0.3	0
137	STUDY ON TIME-CONSTANT MODELS OF SnO ₂ pH SENSOR. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 449-452.	0.3	0
138	Cost-Effective Anodization Technique for Fabricating Ion-Sensitive Field-Effect Transistor Device Sensitive Membrane. Japanese Journal of Applied Physics, 2009, 48, 046502.	0.8	0
139	Defect Generation for a Hydrated Layer and Thermal Stability Based on Ba _{0.7} Sr _{0.3} TiO ₃ /SiO ₂ as H ⁺ -Sensitive Layer in Ion-Sensitive Field-Effect Transistor Devices. Japanese Journal of Applied Physics, 2009, 48, 045501.	0.8	3
140	All-Solid-State Conductive Polymer Miniaturized Reference Electrode. Japanese Journal of Applied Physics, 2009, 48, 111501.	0.8	9
141	Fabrication and Characterization of a Ruthenium Nitride Membrane for Electrochemical pH Sensors. Sensors, 2009, 9, 2478-2490.	2.1	35
142	WEIGHTED DATA FUSION FOR FLEXIBLE pH SENSORS ARRAY. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 365-369.	0.3	1
143	Study on a pCO ₂ Sensor Based on a SnO ₂ /Carbon Electrode. Journal of the Electrochemical Society, 2009, 156, J62.	1.3	2
144	REALIZATION OF PLATFORM FOR ION CONCENTRATION MEASUREMENT. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 385-388.	0.3	1

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145	Preparation and characterization of the titanium dioxide thin films used for pH electrode and procaine drug sensor by sol-gel method. <i>Materials Chemistry and Physics</i> , 2009, 114, 542-548.	2.0	64
146	Design and Fabrication of pH Detecting System Using Lead Titanate Series Gate Ion-Sensitive Field Effect Transistors. <i>Ferroelectrics</i> , 2009, 383, 111-118.	0.3	2
147	STUDY ON THE POTENTIOMETRIC GLUCOSE BIOSENSOR BASED ON THE SnO ₂ /ITO/PET. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2009, 21, 411-414.	0.3	4
148	Fabrication and Application of Ruthenium-Doped Titanium Dioxide Films as Electrode Material for Ion-Sensitive Extended-Gate FETs. <i>IEEE Sensors Journal</i> , 2009, 9, 277-284.	2.4	48
149	All Solid-State Potentiometric Biosensors for Creatinine Determination Based on pH and Ammonium Electrodes. <i>IEEE Sensors Journal</i> , 2009, 9, 665-672.	2.4	15
150	Potentiometric Multisensor Based on Ruthenium Dioxide Thin Film With a Bluetooth Wireless and Web-Based Remote Measurement System. <i>IEEE Sensors Journal</i> , 2009, 9, 1887-1894.	2.4	15
151	Weighted Data Fusion Use for Ruthenium Dioxide Thin Film pH Array Electrodes. <i>IEEE Sensors Journal</i> , 2009, 9, 842-848.	2.4	21
152	Ionic Electrodeposition Simulation of CdTe Thin Films. <i>Journal of Electronic Materials</i> , 2008, 37, 1821-1827.	1.0	2
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