

Huiling Tai

List of Publications by Year in descending order

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times ranked

6799
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#	ARTICLE	IF	CITATIONS
19	Enhanced NH ₃ sensing performance of polyaniline via a facile morphology modification strategy. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132302.	4.0	61
20	Wearable and washable textile-based strain sensors via a single-step, environment-friendly method. <i>Science China Technological Sciences</i> , 2021, 64, 441-450.	2.0	18
21	PANI nanofibers-supported Nb ₂ CTx nanosheets-enabled selective NH ₃ detection driven by TENG at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128923.	4.0	108
22	A review on Ti ₃ C ₂ T _x -based nanomaterials: synthesis and applications in gas and humidity sensors. <i>Rare Metals</i> , 2021, 40, 1459-1476.	3.6	121
23	Self-assembled graphene oxide/polyethyleneimine films as high-performance quartz crystal microbalance humidity sensors. <i>Rare Metals</i> , 2021, 40, 1597-1603.	3.6	21
24	Enhanced positive humidity sensitive behavior of p-reduced graphene oxide decorated with n-WS ₂ nanoparticles. <i>Rare Metals</i> , 2021, 40, 1762-1767.	3.6	62
25	A do-it-yourself approach to achieving a flexible pressure sensor using daily use materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13659-13667.	2.7	76
26	A chitosan/amido-graphene oxide-based self-powered humidity sensor enabled by triboelectric effect. <i>Rare Metals</i> , 2021, 40, 1995-2003.	3.6	47
27	Muscle Fibers Inspired High-Performance Piezoelectric Textiles for Wearable Physiological Monitoring. <i>Advanced Functional Materials</i> , 2021, 31, 2010962.	7.8	169
28	Facile depositing strategy to fabricate a hetero-affinity hybrid film for improving gas-sensing performance. <i>Nanotechnology</i> , 2021, 32, 205502.	1.3	2
29	Paper and carbon ink enabled low-cost, eco-friendly, flexible, multifunctional pressure and humidity sensors. <i>Smart Materials and Structures</i> , 2021, 30, 055012.	1.8	91
30	Facilely constructed randomly distributed surface microstructure for flexible strain sensor with high sensitivity and low detection limit. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 284003.	1.3	23
31	Facilely constructed two-sided microstructure interfaces between electrodes and cellulose paper active layer: eco-friendly, low-cost and high-performance piezoresistive sensor. <i>Cellulose</i> , 2021, 28, 6389.	2.4	48
32	A Facile Strategy for Low Young's Modulus PDMS Microbeads Enhanced Flexible Capacitive Pressure Sensors. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100019.	1.2	13
33	Piezoelectric Textiles: Muscle Fibers Inspired High-Performance Piezoelectric Textiles for Wearable Physiological Monitoring (<i>Adv. Funct. Mater.</i> 19/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170136.	7.8	6
34	Enhanced Blocking Effect: A New Strategy to Improve the NO ₂ Sensing Performance of Ti ₃ C ₂ T _x by ¹³ Poly(<i>l</i> -glutamic acid) Modification. <i>ACS Sensors</i> , 2021, 6, 2858-2867.	4.0	51
35	Self-Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO ₂ . <i>Small Structures</i> , 2021, 2, 2100067.	6.9	8
36	A Facile Strategy for Low Young's Modulus PDMS Microbeads Enhanced Flexible Capacitive Pressure Sensors (Part. Part. Syst. Charact. 7/2021). <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2170016.	1.2	0

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37	Daily writing carbon ink: Novel application on humidity sensor with wide detection range, low detection limit and high detection resolution. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129884.	4.0	113
38	Self-Powered Respiration Monitoring Enabled By a Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2021, 33, e2101262.	11.1	217
39	Ultrathin Nb ₂ CT nanosheets-supported polyaniline nanocomposite: Enabling ultrasensitive NH ₃ detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130069.	4.0	94
40	Self-Powered Respiration Monitoring Enabled By a Triboelectric Nanogenerator (<i>Adv. Mater.</i> 35/2021). <i>Advanced Materials</i> , 2021, 33, 2170277.	11.1	6
41	Highly sensitive and selective NO ₂ sensor of alkalized V ₂ CT MXene driven by interlayer swelling. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130150.	4.0	104
42	Piezoelectric fiber composites with polydopamine interfacial layer for self-powered wearable biomonitoring. <i>Nano Energy</i> , 2021, 89, 106321.	8.2	151
43	Integrated cross-section interface engineering and surface encapsulating strategy: A high-response, waterproof, and low-cost paper-based bending strain sensor. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14003-14011.	2.7	33
44	Recent advances in humidity sensors for human body related humidity detection. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14963-14980.	2.7	167
45	NiWO ₄ Microflowers on Multi-Walled Carbon Nanotubes for High-Performance NH ₃ Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52850-52860.	4.0	61
46	Protrusion Microstructure-Induced Sensitivity Enhancement for Zinc Oxide/Carbon Nanotube Flexible Pressure Sensors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5506-5513.	2.0	28
47	Perspectives on self-powered respiration sensor based on triboelectric nanogenerator. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
48	Nanocomposite films of p-type MoS ₂ nanosheets/n-type ZnO nanowires: Sensitive and low-temperature ppb-level NO ₂ detection. <i>Materials Letters</i> , 2020, 262, 127148.	1.3	16
49	Novel application of attapulgite on high performance and low-cost humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127534.	4.0	79
50	Flexible piezoelectric pressure sensor based on polydopamine-modified BaTiO ₃ /PVDF composite film for human motion monitoring. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111789.	2.0	272
51	Novel chitosan/ZnO bilayer film with enhanced humidity-tolerant property: Endowing triboelectric nanogenerator with acetone analysis capability. <i>Nano Energy</i> , 2020, 78, 105256.	8.2	61
52	Surface Engineering of a 3D Topological Network for Ultrasensitive Piezoresistive Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38805-38812.	4.0	38
53	Toward agricultural ammonia volatilization monitoring: A flexible polyaniline/Ti ₃ C ₂ T hybrid sensitive films based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128144.	4.0	130
54	A wireless energy transmission enabled wearable active acetone biosensor for non-invasive prediabetes diagnosis. <i>Nano Energy</i> , 2020, 74, 104941.	8.2	193

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55	The Art of Integrated Functionalization: Super Stable Black Phosphorus Achieved through Metal-Organic Framework Coating. <i>Advanced Functional Materials</i> , 2020, 30, 2002232.	7.8	51
56	Facile and low-cost fabrication of a humidity sensor using naturally available sepiolite nanofibers. <i>Nanotechnology</i> , 2020, 31, 355501.	1.3	39
57	Ultrasensitive flexible NH ₃ gas sensor based on polyaniline/SrGe ₄ O ₉ nanocomposite with ppt-level detection ability at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128293.	4.0	129
58	Constructing Electrically and Mechanically Self-Healing Elastomers by Hydrogen Bonded Intermolecular Network. <i>Langmuir</i> , 2020, 36, 3029-3037.	1.6	45
59	Paper-Based Sensors for Gas, Humidity, and Strain Detections: A Review. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31037-31053.	4.0	296
60	Enhancing visible light-activated NO ₂ sensing properties of Au NPs decorated ZnO nanorods by localized surface plasmon resonance and oxygen vacancies. <i>Materials Research Express</i> , 2020, 7, 015924.	0.8	26
61	High performance ethylene sensor based on palladium-loaded tin oxide: Application in fruit quality detection. <i>Chinese Chemical Letters</i> , 2020, 31, 2045-2049.	4.8	44
62	A multifunctional wearable E-textile <i>via</i> integrated nanowire-coated fabrics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8399-8409.	2.7	64
63	Alveolus-Inspired Active Membrane Sensors for Self-Powered Wearable Chemical Sensing and Breath Analysis. <i>ACS Nano</i> , 2020, 14, 6067-6075.	7.3	271
64	Evolution of breath analysis based on humidity and gas sensors: Potential and challenges. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128104.	4.0	217
65	Halloysite nanotubes: Natural, environmental-friendly and low-cost nanomaterials for high-performance humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128204.	4.0	160
66	A Room Temperature-Operating Acetone Gas Sensor Based on the Triboelectric Effect. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2122-2122.	0.0	0
67	All-in-One Wearable Self-Powered Respiratory Sensor Enabled By Contact Electrification. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2411-2411.	0.0	0
68	Enhanced NH ₃ Sensing Performance of Ti ₃ C ₂ T _x Nanosheets Supported By TiO ₂ Nanoparticles at Room Temperature. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2162-2162.	0.0	0
69	Enhanced Sensing Performance of the Palladium Loaded Tin Oxide to Ethylene Gas. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2048-2048.	0.0	0
70	The Room Temperature Gas Sensor Based on Polyaniline/SrGe ₄ O ₉ Nanocomposites for Ppt-Level NH ₃ Detection. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2165-2165.	0.0	0
71	Self-Powered Membrane Sensor for Active Nitrogen Dioxide Detection and Respiratory Analysis. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2033-2033.	0.0	0
72	New insights into the controlled growth of hierarchical MoS ₂ nanospheres. , 2020, , .		0

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73	Ultrathin niobium carbide nanosheets for humidity sensing. , 2020, , .		0
74	A flexible piezoresistive pressure sensor with micro-papillae structure for high sensitivity and wide detection range. , 2020, , .		0
75	Drawn a flexible, low-cost, eco-friendly, and multifunctional humidity sensor on paper using carbon ink. , 2020, , .		1
76	Morphology-modeled chitosan nanoparticles/WS2 nanosheets for advancing the sensing properties of triboelectric acetone sensor. , 2020, , .		0
77	Improving sensitivity of self-powered room temperature NO2 sensor by triboelectric-photoelectric coupling effect. Applied Physics Letters, 2019, 115, .	1.5	72
78	Adsorption behaviors of gas molecules on the surface of ZnO nanocrystals under UV irradiation. Science China Technological Sciences, 2019, 62, 2226-2235.	2.0	18
79	Self-Polarization of PVDF Film Triggered by Hydrophilic Treatment for Pyroelectric Sensor with Ultra-Low Piezoelectric Noise. Nanoscale Research Letters, 2019, 14, 72.	3.1	26
80	Enhanced ammonia response of Ti3C2T nanosheets supported by TiO2 nanoparticles at room temperature. Sensors and Actuators B: Chemical, 2019, 298, 126874.	4.0	222
81	Inspiration from Daily Goods: A Low-Cost, Facilely Fabricated, and Environment-Friendly Strain Sensor Based on Common Carbon Ink and Elastic Core-Spun Yarn. ACS Sustainable Chemistry and Engineering, 2019, 7, 17474-17481.	3.2	76
82	Two-Sided Topological Architecture on a Monolithic Flexible Substrate for Ultrasensitive Strain Sensors. ACS Applied Materials & Interfaces, 2019, 11, 43543-43552.	4.0	27
83	Facile, Flexible, Cost-Saving, and Environment-Friendly Paper-Based Humidity Sensor for Multifunctional Applications. ACS Applied Materials & Interfaces, 2019, 11, 21840-21849.	4.0	326
84	An integrated flexible self-powered wearable respiration sensor. Nano Energy, 2019, 63, 103829.	8.2	181
85	A flexible NO2 gas sensor based on polypyrrole/nitrogen-doped multiwall carbon nanotube operating at room temperature. Sensors and Actuators B: Chemical, 2019, 295, 86-92.	4.0	121
86	Improved response/recovery speeds of ZnO nanoparticle-based sensor toward NO2 gas under UV irradiation induced by surface oxygen vacancies. Journal of Materials Science: Materials in Electronics, 2019, 30, 11395-11403.	1.1	15
87	A New Model and Its Application for the Dynamic Response of RGO Resistive Gas Sensor. Sensors, 2019, 19, 889.	2.1	21
88	An ingenious strategy for improving humidity sensing properties of multi-walled carbon nanotubes via poly-L-lysine modification. Sensors and Actuators B: Chemical, 2019, 289, 182-185.	4.0	79
89	Visible Light-activated Room Temperature NO2 Sensing with Au-ZnO Nanorod Array Thin Films. , 2019, , .		0
90	One-pot preparation and applications of self-healing, self-adhesive PAA-PDMS elastomers. Journal of Semiconductors, 2019, 40, 112602.	2.0	4

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91	Enhanced Acetone-Sensing Properties of PEI Thin Film by GO-NH ₂ Functional Groups Modification at Room Temperature. <i>Frontiers in Materials</i> , 2019, 5, .	1.2	19
92	UV Illumination-Enhanced Molecular Ammonia Detection Based On a Ternary-Reduced Graphene Oxide-Titanium Dioxide-Au Composite Film at Room Temperature. <i>Analytical Chemistry</i> , 2019, 91, 3311-3318.	3.2	97
93	A facile respiration-driven triboelectric nanogenerator for multifunctional respiratory monitoring. <i>Nano Energy</i> , 2019, 58, 312-321.	8.2	143
94	A High-Performances Flexible Temperature Sensor Composed of Polyethyleneimine/Reduced Graphene Oxide Bilayer for Real-Time Monitoring. <i>Advanced Materials Technologies</i> , 2019, 4, 1800594.	3.0	102
95	Optimization of temperature uniformity of a serpentine thin film heater by a two-dimensional approach. <i>Microsystem Technologies</i> , 2019, 25, 69-82.	1.2	10
96	Flexible self-powered ammonia sensor based on Ce-ZnO composite film. , 2019, , .		0
97	Flexible and high performance ammonia sensor based on self-assembled PANI-TiO ₂ -Au ternary composite film. , 2019, , .		0
98	Self-powered room temperature NO ₂ detection driven by triboelectric nanogenerator under UV illumination. <i>Nano Energy</i> , 2018, 47, 316-324.	8.2	192
99	Effective Room-Temperature Ammonia-Sensitive Composite Sensor Based on Graphene Nanoplates and PANI. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3148-Q3152.	0.9	8
100	Reduced graphene oxide-polyethylene oxide composite films for humidity sensing via quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2203-2210.	4.0	80
101	Visible light-assisted room temperature gas sensing with ZnO-Ag heterostructure nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 269-281.	4.0	177
102	Temperature-programmed multicapillary gas chromatograph microcolumn for the analysis of odorous sulfur pollutants. <i>Journal of Separation Science</i> , 2018, 41, 893-898.	1.3	3
103	A high-performance flexible gas sensor based on self-assembled PANI-CeO ₂ nanocomposite thin film for trace-level NH ₃ detection at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 587-597.	4.0	196
104	A Simple Graphene NH ₃ Gas Sensor via Laser Direct Writing. <i>Sensors</i> , 2018, 18, 4405.	2.1	46
105	Flexible organic thin-film transistors based on poly(3-hexylthiophene) films for nitrogen dioxide detection. <i>Science China Technological Sciences</i> , 2018, 61, 1696-1704.	2.0	13
106	Ultrasensitive flexible self-powered ammonia sensor based on triboelectric nanogenerator at room temperature. <i>Nano Energy</i> , 2018, 51, 231-240.	8.2	102
107	Enhanced ammonia-sensing properties of PANI-TiO ₂ -Au ternary self-assembly nanocomposite thin film at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 85-95.	4.0	92
108	Novel high-performance self-powered humidity detection enabled by triboelectric effect. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 144-152.	4.0	141

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109	Excellent ammonia sensing performance of gas sensor based on graphene/titanium dioxide hybrid with improved morphology. <i>Applied Surface Science</i> , 2017, 419, 84-90.	3.1	67
110	Synergetic SERS Enhancement in a Metal-Like/Metal Double-Shell Structure for Sensitive and Stable Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13564-13570.	4.0	22
111	MEMS-based column coated with reduced graphene oxide as stationary phase for gas chromatography. <i>RSC Advances</i> , 2017, 7, 32749-32756.	1.7	8
112	A wearable and highly sensitive strain sensor based on a polyethylenimine/rGO layered nanocomposite thin film. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7746-7752.	2.7	64
113	Novel p-n heterojunction-type rGO/CeO ₂ bilayer membrane for room-temperature nitrogen dioxide detection. <i>Materials Letters</i> , 2017, 186, 49-52.	1.3	28
114	The effect of the channel curve on the performance of micromachined gas chromatography column. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 304-310.	4.0	16
115	Self-powered humidity sensor based on triboelectric nanogenerator. , 2017, , .		7
116	UV-enhanced oxygen sensing with tunable ZnO nanorod arrays at room temperature. , 2017, , .		1
117	Wind energy harvesting and self-powered flow rate sensor enabled by contact electrification. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 215601.	1.3	39
118	Novel highly sensitive QCM humidity sensor with low hysteresis based on graphene oxide (GO)/poly(ethyleneimine) layered film. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 145-154.	4.0	146
119	Vapor-assisted crystallization control toward high performance perovskite photovoltaics with over 18% efficiency in the ambient atmosphere. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13203-13210.	5.2	77
120	A facile method to develop novel TiO ₂ /rGO layered film sensor for detecting ammonia at room temperature. <i>Materials Letters</i> , 2016, 165, 127-130.	1.3	49
121	Enhancing responsivity of ZnO nanowire based photodetectors by piezo-phototronic effect. <i>Sensors and Actuators A: Physical</i> , 2016, 241, 169-175.	2.0	22
122	Enhanced humidity-sensing properties of novel graphene oxide/zinc oxide nanoparticles layered thin film QCM sensor. <i>Materials Letters</i> , 2016, 174, 28-31.	1.3	64
123	Facile development of high performance QCM humidity sensor based on protonated polyethylenimine-graphene oxide nanocomposite thin film. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 501-509.	4.0	81
124	ZnO Nanoparticles/Reduced Graphene Oxide Bilayer Thin Films for Improved NH ₃ -Sensing Performances at Room Temperature. <i>Nanoscale Research Letters</i> , 2016, 11, 130.	3.1	126
125	Room temperature formaldehyde sensor with enhanced performance based on reduced graphene oxide/titanium dioxide. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 149-156.	4.0	130
126	The Fabrication and Optimization of Thin-Film Transistors Based on Poly(3-Hexylthiophene) Films for Nitrogen Dioxide Detection. <i>IEEE Sensors Journal</i> , 2016, 16, 1865-1871.	2.4	38

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127	Pâ€P heterojunction sensor of self-assembled polyaniline nano-thin film/microstructure silicon array for NH ₃ detection. Chemical Physics Letters, 2015, 621, 58-64.	1.2	30
128	The Enhanced Formaldehyde-Sensing Properties of P3HT-ZnO Hybrid Thin Film OTFT Sensor and Further Insight into Its Stability. Sensors, 2015, 15, 2086-2103.	2.1	38
129	The investigation of reduced graphene oxide@ SnO ₂ â€ polyaniline composite thin films for ammonia detection at room temperature. Journal of Materials Science: Materials in Electronics, 2015, 26, 833-841.	1.1	31
130	Enhanced Formaldehyde-Sensing Performances of Mixed Polyethyleneimine-Multiwalled Carbon Nanotubes Composite Films on Quartz Crystal Microbalance. IEEE Sensors Journal, 2015, 15, 6904-6911.	2.4	38
131	Pentacene Nano-Particles Film Modified Microstructure Silicon for NH ₃ Gas Sensor Application. Integrated Ferroelectrics, 2014, 152, 113-119.	0.3	1
132	A sensitive film structure improvement of reduced graphene oxide based resistive gas sensors. Applied Physics Letters, 2014, 105, .	1.5	23
133	The Investigation of Reduced Graphene Oxide/P3HT Composite Films for Ammonia Detection. Integrated Ferroelectrics, 2014, 154, 73-81.	0.3	36
134	Influence of humidity on CO ₂ gas sensors based on polyetherimide polymer film. Proceedings of SPIE, 2014, , .	0.8	1
135	Hydrogen-bond acidic polymers coated SAW sensors for 2,4-dinitrotoluene detection. RSC Advances, 2014, 4, 59643-59649.	1.7	10
136	Polyvinylpyrrolidone/reduced graphene oxide nanocomposites thin films coated on quartz crystal microbalance for NO ₂ detection at room temperature. Proceedings of SPIE, 2014, , .	0.8	2
137	Thin film transistors based on single-walled carbon nanotubes-polyethylenimine bilayer film for NO ₂ gas detection. Proceedings of SPIE, 2014, , .	0.8	0
138	Fabrication of a gas sensor array with micro-wells for VOCs gas sensing based on polymer/carbon nanotube thin films. Proceedings of SPIE, 2014, , .	0.8	0
139	Improvement of column efficiency in MEMS-Based gas chromatography column. RSC Advances, 2014, 4, 3726-3731.	1.7	12
140	Gas sensors based on multiple-walled carbon nanotubes-polyethylene oxide films for toluene vapor detection. Sensors and Actuators B: Chemical, 2014, 191, 24-30.	4.0	79
141	Gas sensors based on MWCNTs-PVP composite films for 1,2-dichloroethane vapor detection. Journal of Materials Science: Materials in Electronics, 2014, 25, 5095-5100.	1.1	6
142	The response comparison of a hydrogen-bond acidic polymer to sarin, soman and dimethyl methyl phosphonate based on a surface acoustic wave sensor. Analytical Methods, 2014, 6, 1951-1955.	1.3	11
143	Gas sensors for CO ₂ detection based on RGOâ€PEI films at room temperature. Science Bulletin, 2014, 59, 1999-2005.	1.7	46
144	Detection of 2,4-dinitrotoluene using hydrogen-bond acidic polymer coated SAW sensor. Science Bulletin, 2014, 59, 2608-2612.	1.7	2

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145	A novel sensing mechanism for resistive gas sensors based on layered reduced graphene oxide thin films at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 135-142.	4.0	88
146	Thin film transistors gas sensors based on reduced graphene oxide poly(3-hexylthiophene) bilayer film for nitrogen dioxide detection. <i>Chemical Physics Letters</i> , 2014, 614, 275-281.	1.2	41
147	Development and Comparison Analysis of OTFT Gas Sensors Based on P3HT-ZnO Composite Film and P3HT/ZnO Bilayer Film. <i>Integrated Ferroelectrics</i> , 2014, 153, 65-72.	0.3	4
148	The effect of MWCNTs on the performance of 1,4-hexithiophene OTFT device and its gas-sensing property. <i>Science China Technological Sciences</i> , 2014, 57, 1101-1108.	2.0	2
149	High-separation efficiency micro-fabricated multi-capillary gas chromatographic columns for simulants of the nerve agents and blister agents. <i>Nanoscale Research Letters</i> , 2014, 9, 224.	3.1	11
150	Enhanced selectivity over a photoresist film and process optimization for reactive ion etching of NiCr. <i>Microelectronic Engineering</i> , 2014, 113, 136-139.	1.1	1
151	Terahertz Absorption Characteristics of NiCr Film and Enhanced Absorption by Reactive Ion Etching in a Microbolometer Focal Plane Array. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 431-436.	1.2	12
152	The fabrication and optimization of OTFT formaldehyde sensors based on Poly(3-hexylthiophene)/ZnO composite films. <i>Science China Technological Sciences</i> , 2013, 56, 1877-1882.	2.0	16
153	Preparation of bilayer/three-layer PEO-carbon nanotube composite thin films and their toluene-sensing application. <i>Science China Technological Sciences</i> , 2013, 56, 1124-1128.	2.0	7
154	A carbon monoxide sensor based on single-walled carbon nanotubes doped with copper chloride. <i>Science China Technological Sciences</i> , 2013, 56, 2576-2580.	2.0	11
155	Copper phthalocyanine thin film transistors for hydrogen sulfide detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1191-1196.	4.0	62
156	Development of a Novel Formaldehyde OTFT Sensor Based on P3HT/Fe ₂ O ₃ Nanocomposite Thin Film. <i>Integrated Ferroelectrics</i> , 2013, 144, 15-21.	0.3	8
157	Design and Development of MEMS Capacitive Large-Scale Strain Sensors. <i>Integrated Ferroelectrics</i> , 2013, 147, 123-130.	0.3	4
158	A simple route to functionalize siloxane polymers for DMMP sensing. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4516-4520.	1.3	10
159	Humidity sensing properties of different single-walled carbon nanotube composite films fabricated by layer-by-layer self-assembly technique. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 111-118.	1.1	19
160	In-situ self-assembled polyaniline/carbon nanotubes nanofiber thin films for ammonia gas sensors. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
161	Preparation, Characterization and Comparative NH ₃ -sensing Characteristic Studies of PANI/inorganic Oxides Nanocomposite Thin Films. <i>Journal of Materials Science and Technology</i> , 2010, 26, 605-613.	5.6	104
162	1,4-hexithiophene based organic thin film transistors as gas sensor. , 2010, , .		2

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163	Influence of polymerization temperature on NH ₃ response of PANI/TiO ₂ thin film gas sensor. Sensors and Actuators B: Chemical, 2008, 129, 319-326.	4.0	188
164	Polymer coated sensor array based on quartz crystal microbalance for chemical agent analysis. European Polymer Journal, 2008, 44, 1157-1164.	2.6	48
165	Surface modified polysiloxane a sensitive coatings for QCM sensors. Proceedings of SPIE, 2008, , .	0.8	1
166	Comparative NH ₃ -sensing characteristic studies of PANI/TiO ₂ nanocomposite thin films doped with different acids. Proceedings of SPIE, 2008, , .	0.8	2
167	Fabrication and NO ₂ sensing properties of ChemFET sensors with self-assembly PAN/PSSA sensitive films based on nano-Au surface. , 2008, , .		0
168	Self-assembly of TiO ₂ /polypyrrole nanocomposite ultrathin films and application for an NH ₃ gas sensor. International Journal of Environmental Analytical Chemistry, 2007, 87, 539-551.	1.8	54
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