Jiaqiang Xu

List of Publications by Year in descending order

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141 papers	7,475 citations	46918 47 h-index	60497 81 g-index
142 all docs	142 docs citations	142 times ranked	8967 citing authors

#	Article	IF	Citations
1	Ultralow detection limit MEMS hydrogen sensor based on SnO2 with oxygen vacancies. Sensors and Actuators B: Chemical, 2022, 354, 130982.	4.0	44
2	Fast-response MEMS xylene gas sensor based on CuO/WO3 hierarchical structure. Journal of Hazardous Materials, 2022, 429, 127471.	6.5	63
3	Coal mine gases sensors with dual selectivity at variable temperatures based on a W18O49 ultra-fine nanowires/Pd@Au bimetallic nanoparticles composite. Sensors and Actuators B: Chemical, 2022, 354, 131004.	4.0	23
4	Direct confirmation of confinement effects by NiO confined in helical SnO₂ nanocoils and its application in sensors. Journal of Materials Chemistry A, 2022, 10, 2786-2794.	5.2	16
5	Effect of Open Metal Sites in Cobalt-Based Bimetallic Metalâ€“Organic Framework Nanoparticles-Coated Quartz Crystal Microbalance (QCM) for Humidity Detection. ACS Applied Nano Materials, 2022, 5, 2147-2155.	2.4	8
6	Morphology and size effect of Pd nanocrystals on formaldehyde and hydrogen sensing performance of SnO2 based gas sensor. Journal of Alloys and Compounds, 2022, 906, 163765.	2.8	31
7	A review of sodium chloride-based electrolytes and materials for electrochemical energy technology. Journal of Materials Chemistry A, 2022, 10, 2637-2671.	5.2	23
8	3D flower-like Ni doped CeO2 based gas sensor for H2S detection and its sensitive mechanism. Sensors and Actuators B: Chemical, 2022, 357, 131227.	4.0	40
9	Enhanced H2S sensing performance of BiFeO3 based MEMS gas sensor with corona poling. Sensors and Actuators B: Chemical, 2022, 358, 131477.	4.0	13
10	Materials Design, Sensing Performance and Mechanism of Anhydrous Hydrogen Fluoride Gas Sensor Based on Amino-Functionalized MIL-101(Cr) for New Energy Vehicles. Coatings, 2022, 12, 260.	1.2	8
11	Efficient Synthesis of Yellowâ€Green Carbon Quantum Dots as a Sensitive Fluorescent Probe of Folic Acid. Chemistry - an Asian Journal, 2022, 17, .	1.7	5
12	The SnO2/MXene Composite Ethanol Sensor Based on MEMS Platform. Chemosensors, 2022, 10, 109.	1.8	18
13	The preparation of CH3NH3SnI3/SnO2/Pd/Au gas sensor material for detecting CO and the function of each component. Journal of Materials Science: Materials in Electronics, 2022, 33, 7463-7476.	1.1	2
14	Synthesis and Enhanced H₂S Sensing Properties of V₂O₃-NiO Nanoflower Assembled by Porous Nanosheets. Journal of the Electrochemical Society, 2022, 169, 037504.	1.3	4
15	Reduced Graphene Oxide (rGO)â€Supported and Pyrolytic Carbon (PC)â€Coated Î³â€Fe₂O₃/PCâ€rGO Composite Anode Material with Enhanced Li Storage Performance. Chemistry - an Asian Journal, 2022, 17, .	1.7	4
16	Multishell SnO₂ Hollow Microspheres Loaded with Bimetal PdPt Nanoparticles for Ultrasensitive and Rapid Formaldehyde MEMS Sensors. ACS Sensors, 2022, 7, 1484-1494.	4.0	35
17	Graphene Quantum Dot Surface Coating for Improving the Electrochemical Performance of Li-Rich Li_{1.2}Mn_{0.54}Ni_{0.13}Co_{0.13}O₂. Energy & Fuels, 2022, 36, 5502-5512.	2.5	5
18	In2O3 surface modification of a Li-rich layered cathode material for boosting electrochemical performance. Materials Chemistry and Physics, 2022, 286, 126228.	2.0	2

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19	Defective ZnO Nanoflowers Decorated by Ultra-Fine Pd Clusters for Low-Concentration CH4 Sensing: Controllable Preparation and Sensing Mechanism Analysis. Coatings, 2022, 12, 677.	1.2	5
20	Nonadiabatic dynamics studies of the H(²S) + RbH(X¹Î£⁺) reaction: based on new diabatic potential energy surfaces. RSC Advances, 2022, 12, 19751-19762.	1.7	2
21	The fabrication and triethylamine sensing performance of In-MIL-68 derived In2O3 with porous lacunaris structure. Sensors and Actuators B: Chemical, 2021, 326, 128791.	4.0	76
22	Dipolar and catalytic effects of an Fe₃O₄ based nitrogen-doped hollow carbon sphere framework for high performance lithium sulfur batteries. Inorganic Chemistry Frontiers, 2021, 8, 1771-1778.	3.0	19
23	Controllable preparation of ultrathin MXene nanosheets and their excellent QCM humidity sensing properties enhanced by fluoride doping. Mikrochimica Acta, 2021, 188, 81.	2.5	27
24	Bimetallic Nanocrystals: Structure, Controllable Synthesis and Applications in Catalysis, Energy and Sensing. Nanomaterials, 2021, 11, 1926.	1.9	30
25	A review of carbon dots and their composite materials for electrochemical energy technologies. , 2021, 3, 795-826.		77
26	PdPt Nanoparticle-Functionalized Î±-Fe₂O₃ Hollow Nanorods for Triethylamine Sensing. ACS Applied Nano Materials, 2021, 4, 10921-10930.	2.4	27
27	Ultrathin PANI-Decorated, Highly Purified and Well Dispersed Array Cncs for Highly Sensitive HCHO Sensors. Chemosensors, 2021, 9, 276.	1.8	2
28	Si doped Fe-N/C catalyst for oxygen reduction reaction directed by ordered mesoporous silica nanospheres template strategy. Journal of Colloid and Interface Science, 2021, 603, 706-715.	5.0	12
29	High-rate performance aqueous-based supercapacitors at â^'30 Â°C driven by novel 1D Ni(OH)₂ nanorods and a two-solute electrolyte. Journal of Materials Chemistry A, 2021, 9, 23860-23872.	5.2	21
30	Highly Selective Chloromethanes Detection Based on Quartz Crystal Microbalance Gas Sensors with Ba-MOFs. Inorganic Chemistry, 2021, 60, 16370-16377.	1.9	9
31	Investigation of Electrochemical Performance and Gas Swelling Behavior on Li4Ti5O12/Activated Carbon Lithium-Ion Capacitor with Acetonitrile-Based and Ester-Based Electrolytes. Electronics (Switzerland), 2021, 10, 2623.	1.8	5
32	The growth behavior of brain-like SnO2 microspheres under a solvothermal reaction with tetrahydrofuran as a solvent and their gas sensitivity. RSC Advances, 2021, 11, 37568-37574.	1.7	0
33	Biomimetic synthesis of zeolitic imidazolate frameworks and their application in high performance acetone gas sensors. Sensors and Actuators B: Chemical, 2020, 302, 127187.	4.0	54
34	Coâ^'Ni Binaryâ€Metal Oxide Coated with Porous Carbon Derived from Metalâ€Organic Framework as Host of Nanoâ€Sulfur for Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2020, 3, 108-116.	2.4	38
35	Enhanced CO sensing properties of Pd modified ZnO porous nanosheets. Chinese Chemical Letters, 2020, 31, 2033-2036.	4.8	44
36	Micro-spherical ZnSnO3 material prepared by microwave-assisted method and its ethanol sensing properties. Chinese Chemical Letters, 2020, 31, 2087-2090.	4.8	19

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37	Ultrafine Tungsten Oxide Nanowires: Synthesis and Highly Selective Acetone Sensing and Mechanism Analysis. ACS Applied Materials & Interfaces, 2020, 12, 3755-3763.	4.0	58
38	NaClâ€Templated and Polyvinylpyrrolidoneâ€Assisted Fabrication of a MnO/Câ€rGO Composite as a Highâ€Capacity Anode Material for Liâ€Ion Batteries. Energy Technology, 2020, 8, 1901194.	1.8	9
39	High-Sensitive MEMS Hydrogen Sulfide Sensor made from PdRh Bimetal Hollow Nanoframe Decorated Metal Oxides and Sensitization Mechanism Study. ACS Applied Materials & Interfaces, 2020, 12, 56203-56215.	4.0	50
40	Monodispersed gold nanoparticles entrapped in ordered mesoporous carbon/silica nanocomposites as xanthine oxidase mimic for electrochemical sensing of xanthine. Mikrochimica Acta, 2020, 187, 543.	2.5	18
41	Ethanol sensor based on microrod-like La-doped barium stannate. Journal of Materials Science: Materials in Electronics, 2020, 31, 17461-17473.	1.1	5
42	Low-temperature hydrogen detection sensor based on CeO2 -DOPED SnO2. Journal of Materials Science: Materials in Electronics, 2020, 31, 15785-15793.	1.1	8
43	Optimizing Li2O-2B2O3 coating layer on LiNi0.8Co0.1Mn0.1O2 (NCM811) cathode material for high-performance lithium-ion batteries. International Journal of Green Energy, 2020, 17, 447-455.	2.1	14
44	Rational design and in situ growth of SnO₂/CMF composites: insightful understanding of the formaldehyde gas sensing mechanism and enhanced gas sensing properties. Journal of Materials Chemistry C, 2020, 8, 12418-12426.	2.7	29
45	Superhydrophobic hierarchical porous divinylbenzene polymer for BTEX sensing and toluene/water selective detection. Chinese Chemical Letters, 2020, 31, 2125-2128.	4.8	15
46	Materials design and sensing mechanism of novel calix[6]arene composite for sensitively detecting amine drugs. Chinese Chemical Letters, 2020, 31, 2129-2132.	4.8	13
47	A benzene vapor sensor based on a metal-organic framework-modified quartz crystal microbalance. Sensors and Actuators B: Chemical, 2020, 311, 127365.	4.0	58
48	Carbon Monoxide Combustion on Metal Oxide Supported Au@CuxO Catalysts at Low Temperature. Combustion Science and Technology, 2020, , 1-9.	1.2	0
49	Threeâ€Dimensional Porous TiNb₂O₇/CNTâ€KB Composite Microspheres as Lithiumâ€Ion Battery Anode Material. ChemElectroChem, 2019, 6, 3959-3965.	1.7	25
50	PdPt Bimetal-Functionalized SnO₂ Nanosheets: Controllable Synthesis and its Dual Selectivity for Detection of Carbon Monoxide and Methane. ACS Applied Materials & Interfaces, 2019, 11, 26116-26126.	4.0	131
51	Effects of organotin halide perovskite and Pt nanoparticles in SnO2-based sensing materials on the detection of formaldehyde. Journal of Materials Science: Materials in Electronics, 2019, 30, 20624-20637.	1.1	15
52	Preparation and electrochemical properties of core-shelled siliconâ€“carbon composites as anode materials for lithium-ion batteries. Journal of Applied Electrochemistry, 2019, 49, 1123-1132.	1.5	7
53	A SiOC anode material derived from PVA-modified polysiloxane with improved Li-storage cycling stability. Ionics, 2019, 25, 3051-3058.	1.2	12
54	Facile Chemical Bath Synthesis of SnS Nanosheets and Their Ethanol Sensing Properties. Sensors, 2019, 19, 2581.	2.1	21

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55	QCM formaldehyde sensing materials: Design and sensing mechanism. Sensors and Actuators B: Chemical, 2019, 293, 71-82.	4.0	63
56	Honeycomb-like polyaniline for flexible and folding all-solid-state supercapacitors. Frontiers of Materials Science, 2019, 13, 133-144.	1.1	13
57	Highly sensitive BTEX sensors based on hexagonal WO3 nanosheets. Sensors and Actuators B: Chemical, 2019, 293, 23-30.	4.0	54
58	A low temperature formaldehyde gas sensor based on hierarchical SnO/SnO2 nano-flowers assembled from ultrathin nanosheets: Synthesis, sensing performance and mechanism. Sensors and Actuators B: Chemical, 2019, 294, 106-115.	4.0	173
59	Stepping gating of ion channels on nanoelectrode via DNA hybridization for label-free DNA detection. Biosensors and Bioelectronics, 2019, 133, 141-146.	5.3	8
60	Highly sensitive ethanol gas sensor based on ultrathin nanosheets assembled Bi2WO6 with composite phase. Science Bulletin, 2019, 64, 595-602.	4.3	40
61	Comparative analysis of electrochemical performances and capacity degrading behaviors in lithium-ion capacitors based on different anodic materials. Ionics, 2019, 25, 3277-3285.	1.2	7
62	Facile preparation of N-rich functional polymer with porous framework as QCM sensing material for rapid humidity detection. Sensors and Actuators B: Chemical, 2019, 288, 289-297.	4.0	54
63	Nano-SnO₂/Carbon Nanotube Hairball Composite as a High-Capacity Anode Material for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 4195-4203.	3.2	55
64	Light enhanced room temperature resistive NO2 sensor based on a gold-loaded organicâ€“inorganic hybrid perovskite incorporating tin dioxide. Mikrochimica Acta, 2019, 186, 47.	2.5	35
65	Bimetal PdAu decorated SnO2 nanosheets based gas sensor with temperature-dependent dual selectivity for detecting formaldehyde and acetone. Sensors and Actuators B: Chemical, 2019, 283, 590-601.	4.0	300
66	Superhydrophobic Polymerized n-Octadecylsilane Surface for BTEX Sensing and Stable Toluene/Water Selective Detection Based on QCM Sensor. ACS Omega, 2018, 3, 2437-2443.	1.6	26
67	Urea-functionalized SBA-15 hybrids: Post-grafting synthesis, high-performance organophosphorus sensing and their response mechanism. Sensors and Actuators B: Chemical, 2018, 273, 1162-1169.	4.0	16
68	A 3D Calcium Spirobifluorene Metalâ€“Organic Framework: Single-Crystal-to-Single-Crystal Transformation and Toluene Detection by a Quartz Crystal Microbalance Sensor. Inorganic Chemistry, 2018, 57, 1689-1692.	1.9	31
69	Superhydrophilic ZnO nanoneedle array: Controllable in situ growth on QCM transducer and enhanced humidity sensing properties and mechanism. Sensors and Actuators B: Chemical, 2018, 263, 436-444.	4.0	54
70	Rational design and synthesis of aldehyde-functionalized mesoporous SBA-15 for high-performance ammonia sensor. Sensors and Actuators B: Chemical, 2018, 256, 888-895.	4.0	21
71	Facile Synthesis of Ordered Mesoporous Zirconia for Electrochemical Enrichment and Detection of Organophosphorus Pesticides. Electroanalysis, 2018, 30, 2121-2130.	1.5	24
72	Advanced metal-organic frameworks (MOFs) and their derived electrode materials for supercapacitors. Journal of Power Sources, 2018, 402, 281-295.	4.0	160

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73	Recent progress in advanced electrode materials, separators and electrolytes for lithium batteries. Journal of Materials Chemistry A, 2018, 6, 20564-20620.	5.2	295
74	Recent Progresses in Electrocatalysts for Water Electrolysis. Electrochemical Energy Reviews, 2018, 1, 483-530.	13.1	285
75	Metal organic framework of MOF-5 with hierarchical nanopores as micro-gravimetric sensing material for aniline detection. Sensors and Actuators B: Chemical, 2018, 256, 639-647.	4.0	67
76	IrNi nanoparticle-decorated flower-shaped NiCo2O4 nanostructures: controllable synthesis and enhanced electrochemical activity for oxygen evolution reaction. Science China Materials, 2017, 60, 119-130.	3.5	32
77	High performance formaldehyde detection based on a novel copper (II) complex functionalized QCM gas sensor. Sensors and Actuators B: Chemical, 2017, 248, 820-828.	4.0	75
78	Design, synthesis and properties of a reactive chromophoric/fluorometric probe for hydrogen peroxide detection. New Journal of Chemistry, 2017, 41, 3790-3797.	1.4	13
79	Lead-free organicâ€“inorganic hybrid perovskite heterojunction composites for photocatalytic applications. Catalysis Science and Technology, 2017, 7, 2753-2762.	2.1	33
80	One novel humidity-resistance formaldehyde molecular probe based hydrophobic diphenyl sulfone urea dry-gel: Synthesis, sensing performance and mechanism. Sensors and Actuators B: Chemical, 2017, 251, 590-600.	4.0	37
81	Nuclease-free target recycling signal amplification for ultrasensitive multiplexing DNA biosensing. Biosensors and Bioelectronics, 2017, 94, 605-608.	5.3	13
82	An Electrochemical Sensor Based on Gold Nanoparticles Incorporated in Mesoporous MFI Zeolite for Determination of Purine Bases in DNA. Electroanalysis, 2017, 29, 1618-1625.	1.5	13
83	Highly effective and specific way for the trace analysis of carbaryl insecticides based on Au₄₂Rh₅₈ alloy nanocrystals. Journal of Materials Chemistry A, 2017, 5, 7064-7071.	5.2	19
84	Synthesis of functionalized mesoporous TiO2-SiO2 with organic fluoroalcohol as high performance DMMP gas sensor. Sensors and Actuators B: Chemical, 2017, 248, 785-792.	4.0	36
85	Controllable Evolution of Dual Defect Zn_i and V_O Associate-Rich ZnO Nanodishes with (0001) Exposed Facet and Its Multiple Sensitization Effect for Ethanol Detection. ACS Applied Materials & Interfaces, 2017, 9, 41559-41567.	4.0	102
86	A two-dimensional porous framework: solvent-induced structural transformation and selective adsorption towards malachite green. Dalton Transactions, 2017, 46, 8350-8353.	1.6	12
87	Enhanced lithium storage performance of a self-assembled hierarchical porous Co3O4/VGCF hybrid high-capacity anode material for lithium-ion batteries. Ionics, 2017, 23, 69-76.	1.2	4
88	The crystal facet-dependent gas sensing properties of ZnO nanosheets: Experimental and computational study. Sensors and Actuators B: Chemical, 2017, 242, 148-157.	4.0	199
89	FDU-12 Mesoporous Materials Detection Hg (II) Ions by QCM. Nano, 2016, 11, 1650094.	0.5	6
90	Facile synthesis of reduced graphene oxide/hexagonal WO3 nanosheets composites with enhanced H2S sensing properties. Sensors and Actuators B: Chemical, 2016, 230, 736-745.	4.0	200

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91	Weakened negative effect of Au/TiO₂ photocatalytic activity by CdS quantum dots deposited under UV-vis light illumination at different intensity ratios. Physical Chemistry Chemical Physics, 2016, 18, 29131-29138.	1.3	14
92	A MnO₂/Graphene Oxide/Multi-Walled Carbon Nanotubes-Sulfur Composite with Dual-Efficient Polysulfide Adsorption for Improving Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28566-28573.	4.0	77
93	Direct electrodeposition of highly ordered gold nanotube arrays for use in non-enzymatic amperometric sensing of glucose. Mikrochimica Acta, 2016, 183, 1925-1932.	2.5	22
94	Enhanced thermopower in rock-salt SnTeâ€“CdTe from band convergence. RSC Advances, 2016, 6, 32189-32192.	1.7	72
95	PtW/MoS2 hybrid nanocomposite for electrochemical sensing of H2O2 released from living cells. Biosensors and Bioelectronics, 2016, 80, 601-606.	5.3	96
96	Polydopamine nanotubes: bio-inspired synthesis, formaldehyde sensing properties and thermodynamic investigation. Journal of Materials Chemistry A, 2016, 4, 3487-3493.	5.2	99
97	Facile Hydrothermal Synthesis of VS₂/Graphene Nanocomposites with Superior High-Rate Capability as Lithium-Ion Battery Cathodes. ACS Applied Materials & Interfaces, 2015, 7, 13044-13052.	4.0	210
98	Selenium/pomelo peel-derived carbon nanocomposite as advanced cathode for lithium-selenium batteries. Ionics, 2015, 21, 2477-2484.	1.2	27
99	One-step synthesis of zincâ€“cobalt layered double hydroxide (Znâ€“Co-LDH) nanosheets for high-efficiency oxygen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 6878-6883.	5.2	177
100	Porous Î±-MoO₃/MWCNT Nanocomposite Synthesized via a Surfactant-Assisted Solvothermal Route as a Lithium-Ion-Battery High-Capacity Anode Material with Excellent Rate Capability and Cyclability. ACS Applied Materials & Interfaces, 2015, 7, 15531-15541.	4.0	95
101	Enhanced power factor in the promising thermoelectric material SnPb_xTe prepared via zone-melting. RSC Advances, 2015, 5, 59379-59383.	1.7	13
102	Porous corundum-type In₂O₃ nanoflowers: controllable synthesis, enhanced ethanol-sensing properties and response mechanism. CrystEngComm, 2015, 17, 3268-3276.	1.3	111
103	A metalâ€“organic framework constructed using a flexible tripodal ligand and tetranuclear copper cluster for sensing small molecules. Dalton Transactions, 2015, 44, 7770-7773.	1.6	29
104	Valence band engineering and thermoelectric performance optimization in SnTe by Mn-alloying via a zone-melting method. Journal of Materials Chemistry A, 2015, 3, 19974-19979.	5.2	141
105	CuO nanoparticles incorporated in hierarchical MFI zeolite as highly active electrocatalyst for non-enzymatic glucose sensing. Colloids and Surfaces B: Biointerfaces, 2015, 125, 206-212.	2.5	31
106	Porous corundum-type In2O3 nanosheets: Synthesis and NO2 sensing properties. Sensors and Actuators B: Chemical, 2015, 208, 436-443.	4.0	143
107	Direct electrodeposition of cable-like CuO@Cu nanowires array for non-enzymatic sensing. Talanta, 2015, 132, 719-726.	2.9	54
108	Monodisperse AuM (M=Pd, Rh, Pt) bimetallic nanocrystals for enhanced electrochemical detection of H2O2. Sensors and Actuators B: Chemical, 2015, 207, 404-412.	4.0	44

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109	Electrochemical sensor based on EDTA intercalated into layered double hydroxides of magnesium and aluminum for ultra trace level detection of lead (II). Mikrochimica Acta, 2015, 182, 653-659.	2.5	23
110	Synthesis of mesoporous SnO2â€“SiO2 composites and their application as quartz crystal microbalance humidity sensor. Sensors and Actuators B: Chemical, 2014, 193, 320-325.	4.0	83
111	4,4â€²-Diaminodiphenyl Sulfone Functionalized SBA-15: Toluene Sensing Properties and Improved Proton Conductivity. Journal of Physical Chemistry C, 2014, 118, 1879-1886.	1.5	23
112	Integrated Pt2Ni alloy@Pt coreâ€“shell nanoarchitectures with high electrocatalytic activity for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 11400.	5.2	28
113	Evolution of ZnO microstructures from hexagonal disk to prismoid, prism and pyramid and their crystal facet-dependent gas sensing properties. CrystEngComm, 2014, 16, 7062.	1.3	95
114	In situ controlled growth of well-dispersed Au nanoparticles inside the channels of SBA-15 using a simple, bio-inspired method for surface-enhanced Raman spectroscopy. RSC Advances, 2013, 3, 10154.	1.7	12
115	Hydrogen peroxide biosensor based on direct electrochemistry of hemoglobin immobilized on gold nanoparticles in a hierarchically porous zeolite. Mikrochimica Acta, 2013, 180, 1333-1340.	2.5	23
116	Engineering of Facets, Band Structure, and Gasâ€Sensing Properties of Hierarchical Sn²⁺â€Doped SnO₂ Nanostructures. Advanced Functional Materials, 2013, 23, 4847-4853.	7.8	108
117	Selective BTEX sensor based on a SnO2/V2O5 composite. Sensors and Actuators B: Chemical, 2013, 186, 126-131.	4.0	57
118	Improvement of Amperometric Biosensor Performance for H₂O₂Detection based on Bimetallic PtM (M = Ru, Au, and Ir) Nanoparticles. International Journal of Electrochemistry, 2012, 2012, 1-8.	2.4	31
119	Hydrothermal synthesis of hierarchical SnO₂microspheres for gas sensing and lithium-ion batteries applications: Fluoride-mediated formation of solid and hollow structures. Journal of Materials Chemistry, 2012, 22, 2140-2148.	6.7	112
120	Fluoroalcohol and fluorinated-phenol derivatives functionalized mesoporous SBA-15 hybrids: high-performance gas sensing toward nerve agent. Journal of Materials Chemistry, 2012, 22, 2263-2270.	6.7	41
121	Amine-Functionalized SBA-15 with Uniform Morphology and Well-Defined Mesostructure for Highly Sensitive Chemosensors To Detect Formaldehyde Vapor. Langmuir, 2012, 28, 7843-7850.	1.6	107
122	Three Dimensional PtRh Alloy Porous Nanostructures: Tuning the Atomic Composition and Controlling the Morphology for the Application of Direct Methanol Fuel Cells. Advanced Functional Materials, 2012, 22, 3570-3575.	7.8	103
123	Electrochemical behavior of olivine-type LiMnPO4-based material in a mild aqueous electrolyte. Ionics, 2012, 18, 635-641.	1.2	7
124	NH₃ Sensing Mechanism Investigation of CuBr: Different Complex Interactions of the Cu⁺ Ion with NH₃ and O₂ Molecules. Journal of Physical Chemistry C, 2011, 115, 2014-2019.	1.5	21
125	Monodispersed mesoporous SBA-15 with novel morphologies: controllable synthesis and morphology dependence of humidity sensing. CrystEngComm, 2011, 13, 402-405.	1.3	31
126	Bimetallic Pt-Ru Nanoparticle Catalyst for Hydrogen Peroxide Detection. Journal of Nanotechnology, 2011, 2011, 1-6.	1.5	12

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127	Air Vortices and Nano-Vibration of Aerostatic Bearings. Tribology Letters, 2011, 42, 179-183.	1.2	50
128	Reagentless amperometric glucose biosensor based on the immobilization of glucose oxidase on a ferrocene@NaY zeolite composite. Mikrochimica Acta, 2011, 174, 281-288.	2.5	22
129	Biotemplate fabrication of SnO2 nanotubular materials by a sonochemical method for gas sensors. Journal of Nanoparticle Research, 2010, 12, 1389-1400.	0.8	60
130	Highly stable and sensitive humidity sensors based on quartz crystal microbalance coated with hexagonal lamelliform monodisperse mesoporous silica SBA-15 thin film. Sensors and Actuators B: Chemical, 2010, 144, 164-169.	4.0	72
131	Nanocomposite with Polypyrrole Encapsulated within SBAâ€15â€...Mesoporous Silica: Preparation and Its Electrochemical Application. Electroanalysis, 2009, 21, 1792-1798.	1.5	15
132	Remarkable Electrochemical Responses of Ferrocene/NaY Zeolite Composite modified Electrode Based on Hydrophobic Ionic Liquid. Electroanalysis, 2009, 21, 2597-2601.	1.5	2
133	Synthesis and gas sensing properties of perovskite CdSnO3 nanoparticles. Applied Physics A: Materials Science and Processing, 2009, 94, 837-841.	1.1	16
134	Self-assemblies of Pd nanoparticles on the surfaces of single crystal ZnO nanowires for chemical sensors with enhanced performances. Journal of Materials Chemistry, 2009, 19, 4701.	6.7	157
135	Brush-Like Hierarchical ZnO Nanostructures: Synthesis, Photoluminescence and Gas Sensor Properties. Journal of Physical Chemistry C, 2009, 113, 3430-3435.	1.5	343
136	Indium Oxide with Novel Morphology: Synthesis and Application in C₂H₅OH Gas Sensing. Crystal Growth and Design, 2009, 9, 2146-2151.	1.4	93
137	CdSnO3 micro-cubes with porous architecture: synthesis and gas-sensing properties. CrystEngComm, 2009, 11, 2615.	1.3	26
138	Electrochemistry of Nitrogenâ€Doped Carbon Nanotubes (CN_x) with Different Nitrogen Content and Its Application in Simultaneous Determination of Dihydroxybenzene Isomers. Electroanalysis, 2008, 20, 1981-1986.	1.5	71
139	Studies on alcohol sensing mechanism of ZnO based gas sensors. Sensors and Actuators B: Chemical, 2008, 132, 334-339.	4.0	300
140	Space charge dynamics in electron beam-irradiated PMMA. Frontiers of Materials Science in China, 2007, 1, 109-113.	0.5	2
141	Preparation and gas sensitive properties of nanometer-sized SnO2. Journal of Shanghai University, 1998, 2, 72-76.	0.1	0