Wen Zeng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257 papers	6,938 citations	42 h-index	71 g-index
269 ext. papers	8,460 ext. citations	4 avg, IF	6.99 L-index

#	Paper	IF	Citations
257	Sc doped WSe2 monolayer: a candidate for enhanced adsorption and detection of SF6 decomposition gases. *Journal of Materials Research and Technology*, **2022**, 17, 1786-1798	5.5	2
256	High-temperature oxidation of MgCa alloy: Experimentation and density functional theory. *Corrosion Science*, **2022**, 196, 110046	6.8	0
255	Adsorption mechanism of H2S and CH3SH on Fe(110) surface: A density functional theory study. *Physica E: Low-Dimensional Systems and Nanostructures*, **2022**, 135, 114938	3	1
254	Synthesis of ZnO@ZIF-8 Nanorods with Enhanced Response to VOCs. *Journal of the Electrochemical Society*, **2022**, 169, 047508	3.9	0
253	Theoretical screening into Ag-Embedded HfS2 monolayers as gas sensor for detecting SF6 decomposition gases. *Journal of Materials Research and Technology*, **2022**, 18, 1991-2000	5.5	0
252	Metal oxide gas sensors for detecting NO2 in industrial exhaust gas: Recent developments. *Sensors and Actuators B: Chemical*, **2022**, 359, 131579	8.5	12
251	Ag-modified hexagonal GaN monolayer as an innovative gas detector toward SF6 decomposed species: Insights from the first-principles computations. *Applied Surface Science*, **2022**, 589, 153000	6.7	4
250	Theoretical study on adsorption of SF6 decomposition gas in GIS gas cell based on intrinsic and Ni-doped MoTe2 monolayer. *Applied Surface Science*, **2022**, 591, 153167	6.7	4
249	Pristine and Ag decorated In2O3 (110): A gas-sensitive material to selective detect NO2 based on DFT study. *Journal of Materials Research and Technology*, **2022**, 18, 4236-4247	5.5	0
248	Adsorption of HCN on WSe2 monolayer doped with transition metal (Fe, Ag, Au, As and Mo). *Sensors and Actuators A: Physical*, **2022**, 341, 113612	3.9	1
247	The gas-sensing mechanism of Pt3 cluster doped SnS2 monolayer for SF6 decomposition: A DFT study. *Applied Surface Science*, **2022**, 153693	6.7	5
246	Research Progress on Humidity-Sensing Properties of Cu-Based Humidity Sensors: A Review. *Journal of Sensors*, **2022**, 2022, 1-29	2	1
245	Adsorption performance of noble-metal decorated InN monolayer to CO: a computational study. *IEEE Sensors Journal*, **2021**, 1-1	4	3
244	Density Functional Theory Study on the Adsorption Mechanism of Sulphide Gas Molecules on α-Fe2O3(001) Surface. *Inorganics*, **2021**, 9, 80	2.9	0
243	Enhancing Mg2+ and Mg2+/Li+ Storage by Introducing Active Defect Sites and Edge Surfaces in MoSe2. *ChemElectroChem*, **2021**, 8, 4252	4.3	0
242	Hydrangea flower-like nanostructure of dysprosium-doped Fe-MOF for highly efficient oxygen evolution reaction. *Rare Metals*, **2021**, 41, 844	5.5	2
241	Gas-sensing mechanism of Cr doped SnP3 monolayer to SF6 partial discharge decomposition components. *Applied Surface Science*, **2021**, 546, 149084	6.7	9

240	Ni-doped SnO2/g-C3N4 nanocomposite with enhanced gas sensing performance for the e□ective detection of acetone in diabetes diagnosis. *Sensors and Actuators B: Chemical*, **2021**, 334, 129666	8.5	19
239	First-Principles Insight into Pd-Doped CN Monolayer as a Promising Scavenger for NO, NO and SO. *Nanomaterials*, **2021**, 11,	5.4	4
238	Adsorption of SF6 decomposition gases (H2S, SO2, SOF2 and SO2F2) on Sc-doped MoS2 surface: A DFT study. *Applied Surface Science*, **2021**, 549, 149271	6.7	30
237	Enhanced ethanol sensing properties based on W-doped NiO flower-like microstructure: Beneficial improvement from loose to dense morphology. *Materials Letters: X*, **2021**, 10, 100075	0.5	0
236	Adsorption properties of InP3 monolayer toward SF6 decomposed gases: A DFT study. *Physica E: Low-Dimensional Systems and Nanostructures*, **2021**, 130, 114689	3	8
235	First-Principles Study of Au-Doped InN Monolayer as Adsorbent and Gas Sensing Material for SF Decomposed Species. *Nanomaterials*, **2021**, 11,	5.4	3
234	Liquid-Phase Exfoliated Few-Layer Iodine Nanosheets for High-Rate Lithium-Iodine Batteries. *ChemPlusChem*, **2021**, 86, 865-869	2.8	1
233	□MnO2 Nanowires as Potential Scaffolds for a High-Performance Formaldehyde Gas Sensor Device. *Coatings*, **2021**, 11, 860	2.9	5
232	Highly Enhanced OER Performance by Er-Doped Fe-MOF Nanoarray at Large Current Densities. *Nanomaterials*, **2021**, 11,	5.4	3
231	Recent developments on anode materials for magnesium-ion batteries: a review. *Rare Metals*, **2021**, 40, 290-308	5.5	24
230	The potential application of VS2 as an electrode material for Mg ion battery: A DFT study. *Applied Surface Science*, **2021**, 544, 148775	6.7	13
229	The Adsorption of H and CH on Ge-Doped and Cr-Doped Graphene Structures: A DFT Study. *Nanomaterials*, **2021**, 11,	5.4	5
228	Oxygen-Deficient Stannic Oxide/Graphene for Ultrahigh-Performance Supercapacitors and Gas Sensors. *Nanomaterials*, **2021**, 11,	5.4	1
227	ZIF-67 MOF-derived Co3O4/NiCo2O4/CC unique layered structure with excellent gas performances. *Ceramics International*, **2021**, 47, 8441-8446	5.1	1
226	Bimetallic Nanocrystals: Structure, Controllable Synthesis and Applications in Catalysis, Energy and Sensing. *Nanomaterials*, **2021**, 11,	5.4	10
225	Ultrathin Leaf-Shaped CuO Nanosheets Based Sensor Device for Enhanced Hydrogen Sulfide Gas Sensing Application. *Chemosensors*, **2021**, 9, 221	4	1
224	Preparation and Application of 2D MXene-Based Gas Sensors: A Review. *Chemosensors*, **2021**, 9, 225	4	12
223	Application of Metal-Organic Framework-Based Composites for Gas Sensing and Effects of Synthesis Strategies on Gas-Sensitive Performance. *Chemosensors*, **2021**, 9, 226	4	3

222	Ultrathin PANI-Decorated, Highly Purified and Well Dispersed Array Cncs for Highly Sensitive HCHO Sensors. *Chemosensors*, **2021**, 9, 276	4	
221	Theoretical study of dissolved gas molecules in transformer oil adsorbed on intrinsic and Cr-doped InP3 monolayer. *Applied Surface Science*, **2021**, 561, 149816	6.7	5
220	CdO-ZnO nanorices for enhanced and selective formaldehyde gas sensing applications. *Environmental Research*, **2021**, 200, 111377	7.9	13
219	Adsorption properties of Cr modified GaN monolayer for H2, CO, C2H2 and C2H4. *Chemical Physics*, **2021**, 550, 111304	2.3	7
218	Cr doped MN (M = In, Ga) monolayer: A promising candidate to detect and scavenge SF6 decomposition components. *Sensors and Actuators A: Physical*, **2021**, 330, 112854	3.9	6
217	A density functional theory study of the adsorption of Cl2, NH3, and NO2 on Ag3-doped WSe2 monolayers. *Applied Surface Science*, **2021**, 563, 150329	6.7	9
216	Three-dimensional graphene and its composite for gas sensors. *Rare Metals*, **2021**, 40, 1494-1514	5.5	9
215	First-Principle Insight into Ga-Doped MoS for Sensing SO, SOF and SOF. *Nanomaterials*, **2021**, 11,	5.4	7
214	A Novel Nanorod Self-Assembled WO□HO Spherical Structure: Preparation and Flexible Gas Sensor. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 4746-4752	1.3	1
213	Volatile Organic Compounds Gas Sensors Based on Molybdenum Oxides: A Mini Review. *Frontiers in Chemistry*, **2020**, 8, 339	5	22
212	Ar plasma treatment on ZnOSnO2 heterojunction nanofibers and its enhancement mechanism of hydrogen gas sensing. *Ceramics International*, **2020**, 46, 21439-21447	5.1	11
211	In situ formation of CoO hollow nanocubes on carbon cloth-supported NiCoO nanowires and their enhanced performance in non-enzymatic glucose sensing. *Nanotechnology*, **2020**, 31, 265501	3.4	22
210	Adsorption of SO2 molecule on Ni-doped and Pd-doped graphene based on first-principle study. *Applied Surface Science*, **2020**, 517, 146180	6.7	40
209	Adsorption behavior of Rh-doped MoS2 monolayer towards SO2, SOF2, SO2F2 based on DFT study. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 122, 114224	3	17
208	Hierarchical NiO□eO nanosheets self-assembly flower-like architecture: heterojunction engineering assisting for high-performance humidity sensor. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 13229-13239	2.1	0
207	Hierarchical WO-NiO microflower for high sensitivity detection of SF decomposition byproduct HS. *Nanotechnology*, **2020**, 31, 215701	3.4	22
206	Performance of Intrinsic and Modified Graphene for the Adsorption of HS and CH: A DFT Study. *Nanomaterials*, **2020**, 10,	5.4	43
205	Hydrothermal synthesis of hierarchical WO3/NiO porous microsphere with enhanced gas sensing performances. *Materials Letters*, **2020**, 264, 127383	3.3	8

204	Density-dependent of gas-sensing properties of Co3O4 nanowire arrays. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 118, 113956	3	13
203	Study on a New Electromagnetic Flow Measurement Technology Based on Differential Correlation Detection. *Sensors*, **2020**, 20,	3.8	6
202	High Performance Novel Gas Sensor Device for Site Environmental Protection Using Ti0.5Sn0.5O2 Nanomaterials. *Journal of Nanoelectronics and Optoelectronics*, **2020**, 15, 1423-1428	1.3	4
201	Low Working Temperature of ZnO-MoS Nanocomposites for Delaying Aging with Good Acetylene Gas-Sensing Properties. *Nanomaterials*, **2020**, 10,	5.4	8
200	Facile synthesis of CuCoO@NiCoO hybrid nanowire arrays on carbon cloth for a multicomponent non-enzymatic glucose sensor. *Nanotechnology*, **2020**, 31, 495708	3.4	5
199	Hierarchical heterostructures of nanosheet-assembled NiO-modified ZnO microflowers for high performance acetylene detection. *Ceramics International*, **2020**, 46, 3574-3581	5.1	6
198	Bimetal-organic framework MIL-53(Co-Fe): an efficient and robust electrocatalyst for the oxygen evolution reaction. *Nanoscale*, **2020**, 12, 67-71	7.7	50
197	MOF-derived Co3O4/Fe2O3 p-n hollow cubes for improved acetone sensing characteristics. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 118, 113869	3	8
196	Enhanced ethanol sensing performance using Co3O4/ZnSnO3 arrays prepared on alumina substrates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 117, 113825	3	14
195	Gas sensing mechanism of dissolved gases in transformer oil on Ag/MoS2 monolayer: A DFT study. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 118, 113947	3	33
194	DFT Study on the Selective Adsorption Properties of Modified Graphene for SF6 Decompositions. *IEEE Sensors Journal*, **2020**, 1-1	4	4
193	Dissolved gas analysis in transformer oil using Sb-doped graphene: A DFT study. *Applied Surface Science*, **2020**, 533, 147509	6.7	16
192	Experimental and theoretical studies of Zn-doped MoO3 hierarchical microflower with excellent sensing performances to carbon monoxide. *Ceramics International*, **2020**, 46, 29222-29232	5.1	9
191	Facile hydrothermal synthesis of 3D flower-like NiCo2O4/CeO2 composite as effective oxygen reduction reaction catalyst. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 16600-16608	2.1	1
190	Metal oxide-based composite for non-enzymatic glucose sensors. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 16111-16136	2.1	12
189	Enhanced hydrogen gas sensing properties of Pd-doped SnO2 nanofibres by Ar plasma treatment. *Ceramics International*, **2020**, 46, 1609-1614	5.1	23
188	Highly sensitive non-enzymatic glucose sensor based on porous NiCo2O4 nanowires grown on nickel foam. *Materials Letters*, **2019**, 256, 126603	3.3	15
187	Computational study of surface orientation effect of rutile TiO2 on H2S and CO sensing mechanism. *Applied Surface Science*, **2019**, 495, 143619	6.7	12

186	Highly sensitive and selective acetylene sensors based on p-n heterojunction of NiO nanoparticles on flower-like ZnO structures. *Ceramics International*, **2019**, 45, 19635-19643	5.1	14
185	Gas sensing performances and mechanism at atomic level of Au-MoS2 microspheres. *Applied Surface Science*, **2019**, 490, 124-136	6.7	60
184	Synthesis of spherical WO3H2O network for ethanol sensing application. *Materials Letters*, **2019**, 253, 42-45	3.3	5
183	Synthesis of Cu2O microspheres with hollow and solid morphologies and their gas sensing properties. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 114, 113564	3	10
182	Adsorption of H2O molecule on TM (Au, Ag) doped-MoS2 monolayer: A first-principles study. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 113, 72-78	3	33
181	Unique hierarchical Ce-doped NiO microflowers with enhanced gas sensing performance. *Materials Letters*, **2019**, 251, 61-64	3.3	12
180	Assembly of 2D nanosheets into flower-like MoO3: New insight into the petal thickness affect on gas-sensing properties. *Materials Research Bulletin*, **2019**, 118, 110476	5.1	15
179	Nanosheet-assembled hierarchical WO3 flower-like nanostructures: Hydrothermal synthesis and NH3-sensing properties. *Materials Letters*, **2019**, 250, 155-158	3.3	15
178	A novel porous NiO nanosheet and its H2 sensing performance. *Materials Letters*, **2019**, 245, 166-169	3.3	17
177	Porous MoS2 microspheres decorated with Cu2O nanoparticles for ammonia sensing property. *Materials Letters*, **2019**, 241, 223-226	3.3	28
176	A novel seawave-like hierarchical WO3 nanocomposite and its ammonia gas properties. *Materials Letters*, **2019**, 248, 86-88	3.3	13
175	A nest-like TiO2 nanostructures for excellent performance ethanol sensor. *Materials Letters*, **2019**, 248, 82-85	3.3	11
174	Competitive adsorption of SF6 decompositions on Ni-doped ZnO (100) surface: Computational and experimental study. *Applied Surface Science*, **2019**, 479, 185-197	6.7	61
173	Facile synthesis of novel MoO3 nanoflowers for high-performance gas sensor. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 6601-6607	2.1	7
172	The novel 2D honeycomb-like NiO nanoplates assembled by nanosheet arrays with excellent gas sensing performance. *Materials Letters*, **2019**, 255, 126523	3.3	9
171	Hydrothermal Synthesis of SnO Nanoneedle-Anchored NiO Microsphere and its Gas Sensing Performances. *Nanomaterials*, **2019**, 9,	5.4	27
170	A facile one-step hydrothermal synthesis of a novel NiO/ZnO nanorod composite and its enhanced ethanol sensing property. *Materials Letters*, **2019**, 254, 92-95	3.3	7
169	New insight into the gas-sensing properties of nanofiber-assembled and nanosheet-assembled hierarchical MoO3 structures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 114, 113646	3	4

168	Synthesis of Hollow Nanofibers and Application on Detecting SF6 Decomposing Products. *Frontiers in Materials*, **2019**, 6,	4	7
167	High sensitive and low-concentration sulfur dioxide (SO2) gas sensor application of heterostructure NiO-ZnO nanodisks. *Sensors and Actuators B: Chemical*, **2019**, 298, 126870	8.5	129
166	Hierarchical composites of MoS2 nanoflower anchored on SnO2 nanofiber for methane sensing. *Ceramics International*, **2019**, 45, 22981-22986	5.1	18
165	Synthesis of nanosheet-assembled porous NiO/ZnO microflowers through a facile one-step hydrothermal approach. *Materials Letters*, **2019**, 256, 126649	3.3	0
164	Synthesis of Cr2O3 Nanoparticle-Coated SnO2 Nanofibers and C2H2 Sensing Properties. *Frontiers in Materials*, **2019**, 6,	4	7
163	Gas sensing mechanisms of metal oxide semiconductors: a focus review. *Nanoscale*, **2019**, 11, 22664-22684	7.7	286
162	The 3D crystal morphologies of NiO gas sensor and constantly improved sensing properties to ethanol. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 1794-1802	2.1	7
161	NO2 and H2 sensing properties for urchin-like hexagonal WO3 based on experimental and first-principle investigations. *Ceramics International*, **2019**, 45, 6043-6050	5.1	55
160	Enhanced ethanol gas-sensing property based on hollow MoO3 microcages. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 106, 170-175	3	24
159	A Review of Electrode for Rechargeable Magnesium Ion Batteries. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 12-25	1.3	16
158	New insight into gas sensing performance of nanorods assembled and nanosheets assembled hierarchical WO3□H2O structures. *Materials Letters*, **2019**, 235, 49-52	3.3	31
157	A non-oxygen adsorption mechanism for hydrogen detection of nanostructured SnO2 based sensors. *Materials Research Bulletin*, **2019**, 109, 108-116	5.1	29
156	Enhanced carbon monoxide sensing properties of TiO2 with exposed (0 0 1) facet: A combined first-principle and experimental study. *Applied Surface Science*, **2018**, 442, 507-516	6.7	70
155	NiO hollow nanospheres with different surface by a bubble-template approach and its gas sensing. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7480-7488	2.1	5
154	A novel approach for fabricating NiO hollow spheres for gas sensors. *Physica E: Low-Dimensional Systems and Nanostructures*, **2018**, 97, 314-316	3	19
153	Volatile organic compound sensing based on coral rock-like ZnO. *Materials Research Bulletin*, **2018**, 100, 259-264	5.1	67
152	Self-Assembled Biomolecular 1D Nanostructures for Aqueous Sodium-Ion Battery. *Advanced Science*, **2018**, 5, 1700634	13.6	82
151	The hydrothermal synthesis of 3D hierarchical porous MoS2 microspheres assembled by nanosheets with excellent gas sensing properties. *Journal of Alloys and Compounds*, **2018**, 749, 355-362	5.7	73

150	CoMoO4 nanosheets assembled 3D-frameworks for high-performance energy storage. *Ceramics International*, **2018**, 44, 2446-2452	5.1	12
149	Shape control of Co 3 O 4 micro-structures for high-performance gas sensor. *Physica E: Low-Dimensional Systems and Nanostructures*, **2018**, 95, 121-124	3	19
148	Hydrothermal synthesis of hierarchical flower-like ZnO nanostructure and its enhanced ethanol gas-sensing properties. *Applied Surface Science*, **2018**, 427, 281-287	6.7	221
147	A novel cactus-like WO3-SnO2 nanocomposite and its acetone gas sensing properties. *Materials Letters*, **2018**, 231, 5-7	3.3	42
146	One-step hydrothermal fabrication of nanosheet-assembled NiO/ZnO microflower and its ethanol sensing property. *Ceramics International*, **2018**, 44, 19825-19830	5.1	56
145	Fabrication of hierarchical hollow NiO/ZnO microspheres for ethanol sensing property. *Materials Letters*, **2018**, 230, 297-299	3.3	28
144	Synthesis of morphology and size-controllable SnO2 hierarchical structures and their gas-sensing performance. *Applied Surface Science*, **2018**, 457, 1064-1071	6.7	36
143	Novel hollow MoO3 cage structure and its gas sensing property. *Materials Letters*, **2018**, 229, 269-271	3.3	10
142	Theoretical and experimental investigations on H2 sensing properties of flower-like titanium dioxide. *Materials Research Bulletin*, **2018**, 107, 139-146	5.1	15
141	New insight into gas sensing property of ZnO nanorods and nanosheets. *Materials Letters*, **2018**, 228, 331-333	3.3	35
140	Facile synthesis of self-supporting MnCo 2 O 4 hollow structures. *Materials Letters*, **2018**, 214, 127-129	3.3	2
139	The n-butanol gas-sensing properties of monoclinic scheelite BiVO4 nanoplates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2018**, 103, 71-75	3	26
138	Hydrothermal synthesis and controlled growth of hierarchical 3D flower-like MoS2 nanospheres assisted with CTAB and their NO2 gas sensing properties. *Applied Surface Science*, **2018**, 455, 276-282	6.7	69
137	New insight into gas sensing performance of nanoneedle-assembled and nanosheet-assembled hierarchical NiO nanoflowers. *Materials Letters*, **2017**, 195, 217-219	3.3	48
136	Hierarchically solvothermal synthesis of WO3-based nanocomposite: Nature-inspired structure and enhanced gas-sensing property. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 88, 206-211	3	6
135	Hydroxyl-Dependent Evolution of Oxygen Vacancies Enables the Regeneration of BiOCl Photocatalyst. *ACS Applied Materials & Interfaces*, **2017**, 9, 16620-16626	9.5	129
134	The solvothermal synthesis of the cobweb-like WO3 and its enhanced gas-sensing property. *Materials Letters*, **2017**, 188, 334-337	3.3	13
133	New insights into multi-hierarchical nanostructures with size-controllable blocking units for their gas sensing performance. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 10847-10852	2.1	21

132	Polyhedral Cu2O crystal: Morphology evolution from meshed nanocube to solid and gas-sensing performance. *Journal of Alloys and Compounds*, **2017**, 712, 50-58	5.7	28
131	Low-cost and high-performance electrode materials based on BiCoO3 microspheres. *Ceramics International*, **2017**, 43, 2956-2961	5.1	1
130	Room-temperature gas sensing of ZnO-based gas sensor: A review. *Sensors and Actuators A: Physical*, **2017**, 267, 242-261	3.9	566
129	Hydrothermal synthesis of agglomerating TiO2 nanoflowers and its gas sensing. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 18781-18786	2.1	6
128	Enhanced ethanol sensing and mechanism of Cr-doped ZnO nanorods: Experimental and computational study. *Ceramics International*, **2017**, 43, 14873-14879	5.1	49
127	Hydrothermal synthesis and gas sensing property of titanium dioxide regular nano-polyhedron with reactive (001) facets. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 13821-13828	2.1	4
126	Substrate-free synthesis of WO3 nanorod arrays and their superb NH3-sensing performance. *Materials Letters*, **2017**, 209, 342-344	3.3	15
125	UV-enhanced ethanol sensor based on nanorod-assembled flower-like ZnO. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 94, 123-125	3	18
124	A novel coral rock-like ZnO and its gas sensing. *Materials Letters*, **2017**, 209, 244-246	3.3	45
123	Synthesis of multiple networked NiO nanostructures for enhanced gas sensing performance. *Materials Letters*, **2017**, 206, 80-83	3.3	52
122	Synthesis of hierarchical flower-like NiO and the influence of surfactant. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 85, 13-18	3	18
121	Highly reactive 0D ZnS nanospheres and nanoparticles for formaldehyde gas-sensing properties. *Sensors and Actuators B: Chemical*, **2017**, 239, 1243-1250	8.5	43
120	Hierarchical WO3·H2O porous microsphere: Hydrothermal synthesis, structure and gas-sensing performance. *Materials Letters*, **2017**, 186, 119-122	3.3	8
119	New insight into the gas sensing performance of SnO2 Nanorod-assembled urchins based on their assembly density. *Ceramics International*, **2017**, 43, 728-735	5.1	17
118	Hydrothermal synthesis of novel NiO nanoflowers assisted with CTAB and SDS respectively and their gas-sensing properties. *Materials Letters*, **2017**, 186, 175-177	3.3	25
117	Facile synthesis of thin nanosheet assembled flower-like NiO/ZnO composite and its ethanol-sensing performance. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 222-227	2.1	5
116	Synthesis of boron nitride nanosheets with a few atomic layers and their gas-sensing performance. *Ceramics International*, **2016**, 42, 971-975	5.1	35
115	Synthesis and controlled growth of various SnO2 nanostructures and theirs application of gas sensor. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 1201-1208	2.1	2

114	Synthesis of multifarious hierarchical flower-like NiO and their gas-sensing properties. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 9410-9416	2.1	17
113	SDS-assisted hydrothermal synthesis of NiO flake-flower architectures with enhanced gas-sensing properties. *Applied Surface Science*, **2016**, 384, 304-310	6.7	52
112	Assembly of 2D nanosheets into 3D flower-like NiO: Synthesis and the influence of petal thickness on gas-sensing properties. *Ceramics International*, **2016**, 42, 4567-4573	5.1	63
111	Cr-doped MnO2 nanostructure: morphology evolution and electrochemical properties. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 3265-3270	2.1	17
110	Gas-sensing properties and mechanisms of Cu-doped SnO2 spheres towards H2S. *Ceramics International*, **2016**, 42, 10006-10013	5.1	26
109	Facile synthesis of hollow Cu 2 O polyhedron without template or etchant. *Materials Letters*, **2016**, 164, 225-228	3.3	9
108	A novel SnO2 nanostructures and their gas-sensing properties for CO. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 4826-4832	2.1	7
107	Assembly of bulbous ZnO nanorods to bulbous nanoflowers and their high selectivity towards formaldehyde. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 4966-4971	2.1	5
106	Hydrothermal synthesis of flake-flower NiO architectures: Structure, growth and gas-sensing properties. *Materials Letters*, **2016**, 171, 200-203	3.3	19
105	Hydrothermal synthesis of assembled WO 3 □H 2 O nanoflowers with enhanced gas sensing performance. *Materials Letters*, **2016**, 171, 162-165	3.3	20
104	Nanosheet-assembled hierarchical SnO 2 nanostructures for efficient gas-sensing applications. *Sensors and Actuators B: Chemical*, **2016**, 231, 120-128	8.5	79
103	Novel NiO flower-like microspheres with abundant nanoparticles adhering to the petals: Hydrothermal synthesis and their gas sensing properties. *Materials Letters*, **2016**, 173, 107-110	3.3	15
102	Gas sensing performance of multiple SnO2 1D nanostructures based on their interconnect manner. *Materials Letters*, **2016**, 167, 230-233	3.3	10
101	Hydrothermal synthesis of WO3□H2O with different nanostructures from 0D to 3D and their gas sensing properties. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 79, 127-132	3	28
100	Nanomaterials for Sensing Applications. *Journal of Nanotechnology*, **2016**, 2016, 1-2	3.5	12
99	A novel WO 3 □H 2 O nanostructure assembled with nanorods: Hydrothermal synthesis, growth and their gas sensing properties. *Materials Letters*, **2016**, 180, 51-54	3.3	16
98	Facile synthesis of nickel doped walnut-like MnO2 nanoflowers and their application in supercapacitor. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 6202-6207	2.1	11
97	Fabrication and gas-sensing performance of nanorod-assembled SnO2 nanostructures. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 7448-7453	2.1	6

96	Facile synthesis of 3D flower-like MoO3 and its gas sensor application. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 12996-13001	2.1	10
95	Urchinlike hex-WO3 microspheres: Hydrothermal synthesis and gas-sensing properties. *Materials Letters*, **2015**, 144, 106-109	3.3	28
94	Hydrothermal synthesis of SnO2 nanocubes and nanospheres and their gas sensing properties. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 2871-2878	2.1	15
93	Synthesis and characterization of novel chrysanthemum-like tungsten disulfide (WS2) nanostructure: structure, growth and optical absorption property. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 809-814	2.1	7
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