

Tao Wang

List of Publications by Year in descending order

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17
papers

1,347
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2105
citing authors

#	ARTICLE	IF	CITATIONS
1	Unmanned Gas-Sensing System for Large-Scale Measurement of Electronic Nose. Lecture Notes in Electrical Engineering, 2022, , 629-637.	0.4	4
2	Classification and Concentration Prediction of VOCs With High Accuracy Based on an Electronic Nose Using an ELM-ELM Integrated Algorithm. IEEE Sensors Journal, 2022, 22, 14458-14469.	4.7	13
3	Glucose-assisted synthesis of hierarchical NiO-ZnO heterostructure with enhanced glycol gas sensing performance. Sensors and Actuators B: Chemical, 2021, 329, 129167.	7.8	56
4	Construction, Application and Verification of a Novel Formaldehyde Gas Sensor System Based on Ni-Doped SnO ₂ Nanoparticles. IEEE Sensors Journal, 2021, 21, 11023-11030.	4.7	43
5	Enhancing room-temperature NO ₂ detection of cobalt phthalocyanine based gas sensor at an ultralow laser exposure. Physical Chemistry Chemical Physics, 2020, 22, 18499-18506.	2.8	14
6	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. Electrochimica Acta, 2020, 342, 136124.	5.2	77
7	Enhanced formaldehyde detection based on Ni doping of SnO ₂ nanoparticles by one-step synthesis. Sensors and Actuators B: Chemical, 2018, 263, 120-128.	7.8	107
8	Microwave preparation and remarkable ethanol sensing properties of ZnO particles with controlled morphologies in water-ethylene glycol binary solvent system. Sensors and Actuators B: Chemical, 2018, 255, 1006-1014.	7.8	28
9	One-step electrodeposition of nickel cobalt sulfide nanosheets on Ni nanowire film for hybrid supercapacitor. Electrochimica Acta, 2018, 259, 617-625.	5.2	104
10	In situ preparation of magnetic Ni-Au/graphene nanocomposites with electron-enhanced catalytic performance. Journal of Alloys and Compounds, 2017, 706, 377-386.	5.5	27
11	Studies on NH ₃ gas sensing by zinc oxide nanowire-reduced graphene oxide nanocomposites. Sensors and Actuators B: Chemical, 2017, 252, 284-294.	7.8	115
12	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni ₃ S ₂ Nanowire Films for High-Performance Supercapacitors. ChemSusChem, 2017, 10, 4056-4065.	6.8	61
13	Two-dimensional NiO nanosheets with enhanced room temperature NO ₂ sensing performance via Al doping. Physical Chemistry Chemical Physics, 2017, 19, 19043-19049.	2.8	86
14	Nanofoaming to Boost the Electrochemical Performance of Ni@Ni(OH) ₂ Nanowires for Ultrahigh Volumetric Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 27868-27876.	8.0	82
15	Hierarchical heterostructures based on prickly Ni nanowires/Cu ₂ O nanoparticles with enhanced photocatalytic activity. Dalton Transactions, 2016, 45, 7258-7266.	3.3	11
16	A Review on Graphene-Based Gas/Vapor Sensors with Unique Properties and Potential Applications. Nano-Micro Letters, 2016, 8, 95-119.	27.0	491
17	A novel Ni@Ni(OH) ₂ coaxial core-sheath nanowire membrane for electrochemical energy storage electrodes with high volumetric capacity and excellent rate capability. Electrochimica Acta, 2015, 182, 464-473.	5.2	28