Pengfei Jia

List of Publications by Year
in descending order

31 papers	918 citations	687363 13 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	778 citing authors

#	ARTICLE	IF	CITATIONS
1	Joint dehazing and denoising for single nighttime image via multi-scale decomposition. Multimedia Tools and Applications, 2022, 81, 23941-23962.	3.9	5
2	Geometric, Electronic and Optical Properties of Pt-Doped C_3N Monolayer Upon NO_x Adsorption: A DFT Study. IEEE Sensors Journal, 2021, 21, 3602-3608.	4.7	43
3	Performance Improvement of MoSâ‚‚ Gas Sensor at Room Temperature. IEEE Transactions on Electron Devices, 2021, 68, 4644-4650.	3.0	5
4	A Novel Regression Prediction Method for Electronic Nose Based on Broad Learning System. IEEE Sensors Journal, 2021, 21, 19374-19381.	4.7	6
5	A Novel Technique Solving Shortages of Low-Concentration Samples of Electronic Nose Based on Global and Local Features Fusion. IEEE Sensors Journal, 2020, 20, 11412-11420.	4.7	5
6	Feature Extraction of Citrus Juice During Storage for Electronic Nose Based on Cellular Neural Network. IEEE Sensors Journal, 2020, 20, 3803-3812.	4.7	14
7	Adsorption of SO2 and NO2 molecule on intrinsic and Pd-doped HfSe2 monolayer: A first-principles study. Applied Surface Science, 2020, 513, 145863.	6.1	250
8	A Novel Design and Implementation of Autonomous Robotic Car Based on ROS in Indoor Scenario. Robotics, 2020, 9, 19.	3.5	7
9	A DFT study of healing the N vacancy in h-BN monolayer by NO molecules. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	7
10	Adsorption and sensing of CO and C2H2 by S-defected SnS2 monolayer for DGA in transformer oil: A DFT study. Materials Chemistry and Physics, 2020, 249, 123006.	4.0	87
11	A Classification for Electronic Nose Based on Broad Learning System. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0
12	Training technique of electronic nose using labeled and unlabeled samples based on multi-kernel LapSVM. Sensors and Actuators B: Chemical, 2019, 294, 98-105.	7.8	10
13	Feature Extraction and Classification of Citrus Juice by Using an Enhanced L-KSVD on Data Obtained from Electronic Nose. Sensors, 2019, 19, 916.	3.8	6
14	A Novel Feature Fusion and Reprocessing Technique of Brain-Computer Interface for Motion Imagination. , 2019, , .		0
15	Enhancing electronic nose performance based on a novel QPSO-RBM technique. Sensors and Actuators B: Chemical, 2018, 259, 241-249.	7.8	26
16	Highly Sensitive Humidity Sensor Based on Oblique Carbon Nanoplumes. Sensors, 2018, 18, 3407.	3.8	7
17	A novel electronic nose learning technique based on active learning: EQBC-RBFNN. Sensors and Actuators B: Chemical, 2017, 249, 533-541.	7.8	23
18	Feature extraction of electronic nose for classification of indoor pollution gases based on kernel entropy component analysis. International Journal of Intelligent Systems Technologies and Applications, 2017, 16, 140.	0.2	0

#	Article	IF	Citations
19	Self-Taught Learning Based on Sparse Autoencoder for E-Nose in Wound Infection Detection. Sensors, 2017, 17, 2279.	3.8	17
20	A Novel Pre-Processing Technique for Original Feature Matrix of Electronic Nose Based on Supervised Locality Preserving Projections. Sensors, 2016, 16, 1019.	3.8	10
21	A Novel Semi-Supervised Electronic Nose Learning Technique: M-Training. Sensors, 2016, 16, 370.	3.8	5
22	Enhancing Electronic Nose Performance Based on a Novel QPSO-KELM Model. Sensors, 2016, 16, 520.	3.8	22
23	A Novel Optimization Technique to Improve Gas Recognition by Electronic Noses Based on the Enhanced Krill Herd Algorithm. Sensors, 2016, 16, 1275.	3.8	8
24	A Novel Semi-Supervised Method of Electronic Nose for Indoor Pollution Detection Trained by M-S4VMs. Sensors, 2016, 16, 1462.	3.8	4
25	Localized Surface Plasmon Resonance Gas Sensor Based on Molecularly Imprinted Polymer Coated Au Nano-Island Films: Influence of Nanostructure on Sensing Characteristics. IEEE Sensors Journal, 2016, 16, 3532-3540.	4.7	14
26	A Novel Feature Extraction Approach Using Window Function Capturing and QPSO-SVM for Enhancing Electronic Nose Performance. Sensors, 2015, 15, 15198-15217.	3.8	21
27	An Enhanced Quantum-Behaved Particle Swarm Optimization Based on a Novel Computing Way of Local Attractor. Information (Switzerland), 2015, 6, 633-649.	2.9	16
28	Electronic Nose Feature Extraction Methods: A Review. Sensors, 2015, 15, 27804-27831.	3.8	207
29	A novel sensor array and classifier optimization method of electronic nose based on enhanced quantum-behaved particle swarm optimization. Sensor Review, 2014, 34, 304-311.	1.8	22
30	Feature extraction of wound infection data for electronic nose based on a novel weighted KPCA. Sensors and Actuators B: Chemical, 2014, 201, 555-566.	7.8	63
31	A PSO-SVM Method for Parameters and Sensor Array Optimization in Wound Infection Detection based on Electronic Nose. Journal of Computers, 2012, 7, .	0.4	8