Shurui Fan

List of Publications by Year
in descending order

37 papers	469 citations	687363 13 h-index	713466 21 g-index
37 all docs	37 docs citations	37 times ranked	324 citing authors

#	Article	IF	Citations
1	A Multi-Strategy Whale Optimization Algorithm and Its Application. Engineering Applications of Artificial Intelligence, 2022, 108, 104558.	8.1	39
2	A selective methane gas sensor based on metal oxide semiconductor equipped with an on-chip microfilter. Sensors and Actuators B: Chemical, 2022, 359, 131557.	7.8	21
3	Amperometric hydrogen gas sensor based on Pt/C/Nafion electrode and ionic electrolyte. Sensors and Actuators B: Chemical, 2022, 367, 132137.	7.8	14
4	Estimation of Regional Ground-Level $PM_{2.5}$ Concentrations Directly from Satellite Top-of-Atmosphere Reflectance Using A Hybrid Learning Model. Remote Sensing, 2022, 14, 2714.	4.0	5
5	Design of Gas Monitoring Terminal Based on Quadrotor UAV. Sensors, 2022, 22, 5350.	3.8	6
6	Amperometric Hydrogen Sensor Based on Solid Polymer Electrolyte and Titanium Foam Electrode. ACS Omega, 2022, 7, 24895-24902.	3.5	2
7	Selective detection of methane by $Pd-In_2O_3$ sensors with a catalyst filter film. Sensors and Actuators B: Chemical, 2021, 328, 129030.	7.8	25
8	A Comparative Study on Application of Unmanned Aerial Vehicle Systems in Agriculture. Agriculture (Switzerland), 2021, 11, 22.	3.1	58
9	A Hybrid Model for Air Quality Prediction Based on Data Decomposition. Information (Switzerland), 2021, 12, 210.	2.9	12
10	Humidity compensation based on power-law response for MOS sensors to VOCs. Sensors and Actuators B: Chemical, 2021, 334, 129601.	7.8	33
11	An Improved Equilibrium Optimizer Algorithm and Its Application in LSTM Neural Network. Symmetry, 2021, 13, 1706.	2.2	11
12	Amperometric gas sensors based on screen printed electrodes with porous ceramic substrates. Sensors and Actuators B: Chemical, 2021, 342, 130045.	7.8	17
13	A selective methane gas sensor with printed catalytic films as active filters. Sensors and Actuators B: Chemical, 2021, 347, 130603.	7.8	14
14	An Improved GWO Algorithm Optimized RVFL Model for Oil Layer Prediction. Electronics (Switzerland), 2021, 10, 3178.	3.1	3
15	Hydrogen sensing mechanism of Ru-loaded WO_3 nanosheets. Sensors and Actuators B: Chemical, 2020, 304, 127339.	7.8	23
16	A Study of Modified Infotaxis Algorithms in 2D and 3D Turbulent Environments. Computational Intelligence and Neuroscience, 2020, 2020, 1-14.	1.7	3
17	A Method of Human Activity Recognition in Transitional Period. Information (Switzerland), 2020, 11, 416.	2.9	8
18	Development of a Low-Cost Portable Electronic Nose for Cigarette Brands Identification. Sensors, 2020, 20, 4239.	3.8	13

#	ARTICLE	IF	CITATIONS
19	Dynamic Multi-Swarm Differential Learning Quantum Bird Swarm Algorithm and Its Application in Random Forest Classification Model. Computational Intelligence and Neuroscience, 2020, 2020, 1-24.	1.7	6
20	A Combined Model Based on CEEMDAN, Permutation Entropy, Gated Recurrent Unit Network, and an Improved Bat Algorithm for Wind Speed Forecasting. IEEE Access, 2020, 8, 165612-165630.	4.2	29
21	Efficient NH_3 Detection Based on MOS Sensors Coupled with Catalytic Conversion. ACS Sensors, 2020, 5, 1838-1848.	7.8	42
22	Selective detection of methane by HZSM-5 zeolite/Pd-SnO2 gas sensors. Sensors and Actuators B: Chemical, 2020, 321, 128567.	7.8	36
23	An Online Prediction and Trajectory Tracking Method for Human Activity Recognition. , 2020, , .		0
24	A Feature Selection and Classification Method for Activity Recognition Based on an Inertial Sensing Unit. Information (Switzerland), 2019, 10, 290.	2.9	21
25	Quantitative and Qualitative Analysis of Multicomponent Gas Using Sensor Array. Sensors, 2019, 19, 3917.	3.8	13
26	A weighted network model with simultaneous change of node and edge. , 2014, , .		1
27	Study and Simulation of GTS Allocation in Beacon Enabled IEEE 802.15.4. , 2010, , .		0
28	Upper Delay Bound Research about LR-PANs Network Based on Network Calculus. , 2010, , .		1
29	Switched reluctance motor's magnetic force analysis and the drive system simulation verification. , 2010, , .		2
30	Throughput analysis of GTS allocation in beacon enabled IEEE 802.15.4. , 2010, , .		1
31	On application method of Network Calculus to upper delay bound research. , 2010, , .		2
32	Research and realization of speaker recognition based on embedded system. , 2010, , .		0
33	Performance Analysis of Wireless Network Measurement Control System using Matlab/Simulink. International Journal of Intelligent Engineering and Systems, 2010, 3, 42-49.	0.6	4
34	Improvement of Mixed Traffic Scheduling of CAN Network and Simulation Research. International Journal of Intelligent Engineering and Systems, 2010, 3, 18-25.	0.6	0
35	Harmony Optimization of Physical Design and Control Strategy of Switched Reluctance Motor. , 2009, , .		1
36	Research on Mixed Traffic Scheduling of Networked Control Systems Based on CAN Bus. , 2009, , .		3

#	Article	IF	Citations
37	Study and Simulation of Wireless Network Measurement and Control System. , 2009, , .		0