

Shurui Fan

List of Publications by Year in descending order

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papers

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687363

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37
all docs

37
docs citations

37
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study on Application of Unmanned Aerial Vehicle Systems in Agriculture. Agriculture (Switzerland), 2021, 11, 22.	3.1	58
2	Efficient NH ₃ Detection Based on MOS Sensors Coupled with Catalytic Conversion. ACS Sensors, 2020, 5, 1838-1848.	7.8	42
3	A Multi-Strategy Whale Optimization Algorithm and Its Application. Engineering Applications of Artificial Intelligence, 2022, 108, 104558.	8.1	39
4	Selective detection of methane by HZSM-5 zeolite/Pd-SnO ₂ gas sensors. Sensors and Actuators B: Chemical, 2020, 321, 128567.	7.8	36
5	Humidity compensation based on power-law response for MOS sensors to VOCs. Sensors and Actuators B: Chemical, 2021, 334, 129601.	7.8	33
6	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
7	Selective detection of methane by Pd-In ₂ O ₃ sensors with a catalyst filter film. Sensors and Actuators B: Chemical, 2021, 328, 129030.	7.8	25
8	Hydrogen sensing mechanism of Ru-loaded WO ₃ nanosheets. Sensors and Actuators B: Chemical, 2020, 304, 127339.	7.8	23
9	A Feature Selection and Classification Method for Activity Recognition Based on an Inertial Sensing Unit. Information (Switzerland), 2019, 10, 290.	2.9	21
10	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
11	Amperometric gas sensors based on screen printed electrodes with porous ceramic substrates. Sensors and Actuators B: Chemical, 2021, 342, 130045.	7.8	17
12	A selective methane gas sensor with printed catalytic films as active filters. Sensors and Actuators B: Chemical, 2021, 347, 130603.	7.8	14
13	Amperometric hydrogen gas sensor based on Pt/C/Nafion electrode and ionic electrolyte. Sensors and Actuators B: Chemical, 2022, 367, 132137.	7.8	14
14	Quantitative and Qualitative Analysis of Multicomponent Gas Using Sensor Array. Sensors, 2019, 19, 3917.	3.8	13
15	Development of a Low-Cost Portable Electronic Nose for Cigarette Brands Identification. Sensors, 2020, 20, 4239.	3.8	13
16	A Hybrid Model for Air Quality Prediction Based on Data Decomposition. Information (Switzerland), 2021, 12, 210.	2.9	12
17	An Improved Equilibrium Optimizer Algorithm and Its Application in LSTM Neural Network. Symmetry, 2021, 13, 1706.	2.2	11
18	A Method of Human Activity Recognition in Transitional Period. Information (Switzerland), 2020, 11, 416.	2.9	8

#	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	Design of Gas Monitoring Terminal Based on Quadrotor UAV. Sensors, 2022, 22, 5350.	3.8	6
21	Estimation of Regional Ground-Level PM2.5 Concentrations Directly from Satellite Top-of-Atmosphere Reflectance Using A Hybrid Learning Model. Remote Sensing, 2022, 14, 2714.	4.0	5
22	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
23	Research on Mixed Traffic Scheduling of Networked Control Systems Based on CAN Bus. , 2009, , .		3
24	A Study of Modified Infotaxis Algorithms in 2D and 3D Turbulent Environments. Computational Intelligence and Neuroscience, 2020, 2020, 1-14.	1.7	3
25	An Improved GWO Algorithm Optimized RVFL Model for Oil Layer Prediction. Electronics (Switzerland), 2021, 10, 3178.	3.1	3
26	Switched reluctance motor's magnetic force analysis and the drive system simulation verification. , 2010, , .		2
27	On application method of Network Calculus to upper delay bound research. , 2010, , .		2
28	Amperometric Hydrogen Sensor Based on Solid Polymer Electrolyte and Titanium Foam Electrode. ACS Omega, 2022, 7, 24895-24902.	3.5	2
29	Harmony Optimization of Physical Design and Control Strategy of Switched Reluctance Motor. , 2009, , .		1
30	Upper Delay Bound Research about LR-PANs Network Based on Network Calculus. , 2010, , .		1
31	Throughput analysis of GTS allocation in beacon enabled IEEE 802.15.4. , 2010, , .		1
32	A weighted network model with simultaneous change of node and edge. , 2014, , .		1
33	Study and Simulation of Wireless Network Measurement and Control System. , 2009, , .		0
34	Study and Simulation of GTS Allocation in Beacon Enabled IEEE 802.15.4. , 2010, , .		0
35	Research and realization of speaker recognition based on embedded system. , 2010, , .		0
36	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

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37	An Online Prediction and Trajectory Tracking Method for Human Activity Recognition. , 2020, , .		0