

Chang Kuo-Chi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4840553/publications.pdf>

Version: 2024-02-01

62
papers

480
citations

1162367

8
h-index

752256

20
g-index

72
all docs

72
docs citations

72
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Saving Technology of 5G Base Station Based on Internet of Things Collaborative Control. IEEE Access, 2020, 8, 32935-32946.	2.6	112
2	Numerical Optimization of the Energy Consumption for Wireless Sensor Networks Based on an Improved Ant Colony Algorithm. IEEE Access, 2019, 7, 105562-105571.	2.6	80
3	Agent-based middleware framework using distributed CPS for improving resource utilization in smart city. Future Generation Computer Systems, 2020, 108, 445-453.	4.9	71
4	Study of high-tech process furnace using inherently safer design strategies (I) temperature distribution model and process effect. Journal of Loss Prevention in the Process Industries, 2013, 26, 1198-1211.	1.7	27
5	Study of high-tech process furnace using inherently safer design strategies (II). Deposited film thickness model. Journal of Loss Prevention in the Process Industries, 2013, 26, 225-235.	1.7	26
6	Standalone and Minigrid-Connected Solar Energy Systems for Rural Application in Rwanda: An In Situ Study. International Journal of Photoenergy, 2021, 2021, 1-22.	1.4	19
7	Study of high-tech process furnace using inherently safer design strategies (IV). Advanced NAND device design and thin film process adjustment. Journal of Loss Prevention in the Process Industries, 2016, 40, 378-395.	1.7	17
8	Study of chemical supply system of high-tech process using inherently safer design strategies in Taiwan. Journal of Loss Prevention in the Process Industries, 2014, 29, 72-84.	1.7	16
9	Study of Low Cost and High Efficiency Intelligent Dual-Axis Solar Panel System. , 2020, , .		8
10	Study of Inherently Safer Design Strategy Application for IC Process Power Supply System. , 2019, , .		7
11	Study of the High-tech Process Mechanical Integrity and Electrical Safety. , 2019, , .		7
12	Advanced 5G system chip MOCVD process parameter control and simulation based on BP neural network and Smith predictor. , 2020, , .		7
13	Study on Hazardous Scenario Analysis of High-Tech Facilities and Emergency Response Mechanism of Science and Technology Parks Based on IoT. Advances in Intelligent Systems and Computing, 2020, , 191-199.	0.5	7
14	Study of wafer cleaning process safety using Inherently Safer Design Strategies. , 2018, , .		6
15	Study on Health Protection Behavior Based on the Big Data of High-Tech Factory Production Line. Advances in Intelligent Systems and Computing, 2020, , 571-578.	0.5	6
16	Home Appliances Control Using Android and Arduino via Bluetooth and GSM Control. Advances in Intelligent Systems and Computing, 2020, , 819-827.	0.5	6
17	Solar PV Power Forecasting Approach Based on Hybrid Deep Neural Network. Advances in Intelligent Systems and Computing, 2021, , 125-133.	0.5	5
18	Compact Sine Cosine Algorithm applied in vehicle routing problem with time window. Telecommunication Systems, 2021, 78, 609-628.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Study of Iterative Learning Control Algorithm in Tourism Management IoT Platform Application. Advances in Intelligent Systems and Computing, 2021, , 205-213.	0.5	4
20	Study of Multi-unit UAV in the Optimal Global Scheduling of High Voltage Tower Management Application. Advances in Intelligent Systems and Computing, 2021, , 699-707.	0.5	4
21	Study of Circuit Evolution to Repair Design Flaws in FPGA Edge Computing Chips. , 2020, , .		4
22	Study Of Fpga-Based Edge Computing In Semiconductor Manufacturing Safety Management Application. , 2020, , .		4
23	Study of Improvement and Verification for Fan Wall of Network Rack Server using Six Sigma. , 2019, , .		3
24	Shortest Distance Maze Solving Robot. , 2020, , .		3
25	Distribution Network Fault Location Based on Intelligent Algorithm Research. Advances in Intelligent Systems and Computing, 2021, , 184-192.	0.5	3
26	Study on IoT and Big Data Analysis of Furnace Process Exhaust Gas Leakage. Smart Innovation, Systems and Technologies, 2020, , 41-49.	0.5	3
27	Study of Smart Monitoring and Protection of Remote Transformers and Transmission Lines using GSM Technology. , 2020, , .		2
28	Interleaved DC/DC Boost Converter for Hybrid Electric and Electrical Vehicles. Advances in Intelligent Systems and Computing, 2021, , 708-716.	0.5	2
29	Arduino Line Follower Using Fuzzy Logic Control. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 200-210.	0.5	2
30	Study on the Inherently Safer Design Strategy of Semiconductor Process and the Improvement of Facility Safety Management Efficiency. , 2018, , .		1
31	Algorithm Optimization of Short-Term Load Forecasting Model Based on Least Square Support Vector Machine. Advances in Intelligent Systems and Computing, 2021, , 279-287.	0.5	1
32	Fuzhou PM2.5 Prediction and Related Factors Analysis. Smart Innovation, Systems and Technologies, 2021, , 219-227.	0.5	1
33	Convolutional Neural Network for Fire Video Image Detection in the Thermal Power Plant. Advances in Intelligent Systems and Computing, 2021, , 112-121.	0.5	1
34	Study of Reduction of Inrush Current on a DC Series Motor with a Low-Cost Soft Start System for Advanced Process Tools. Advances in Intelligent Systems and Computing, 2021, , 586-597.	0.5	1
35	Machine Vision Welding Defect Detection Based on FPGA. , 2021, , .		1
36	Study on IoT and Big Data Analysis of 12Åm Advanced Furnace Process Exhaust Gas Leakage. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Big Data Technology in Intelligent Distribution Network: Demand and Applications. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 385-393.	0.5	0
38	Study of Smart Decorating Machine on Cake Patten. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 148-159.	0.5	0
39	Study of Assessing the Stability of Rwanda's Power System from Big Data Based on Power Generation. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 57-65.	0.5	0
40	Improved Parallel Bat Algorithm Based on a Communication Strategy. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 911-918.	0.5	0
41	Study on IC Process Parameter Control of MOVCD Using PID Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 195-204.	0.5	0
42	Low-Cost Based on Smart Trash Can Bag Changing System. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 499-506.	0.5	0
43	A New Optimization Based on Parallelizing Hybrid PSO-GSA Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 168-178.	0.5	0
44	Study of Advanced Low-Cost Smart Prepaid Electricity Meter Using Arduino and GSM. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 160-168.	0.5	0
45	Threshold Image Segmentation for Non-uniform Illumination Using Otsu Optimization Approach. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 997-1004.	0.5	0
46	Study of the Degree of Automation of High-Tech Smart Factory: Taiwan 12-Semiconductor Factory Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 514-524.	0.5	0
47	Design of Combined Cycle Gas Turbine and IoT in Production Electricity from KIVU Lake Methane Gas. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 41-49.	0.5	0
48	Study of 2D Submarine Tracking with Complete Worked Out Example Based on Kalman Filter. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 178-187.	0.5	0
49	Modeling and Simulation for Battery Energy Storage System Participating in Power System Frequency Modulation Based on Power System Analysis Software Package. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 1-8.	0.5	0
50	A Survey of Common IOT Communication Protocols and IOT Smart-X Applications of 5G Cellular. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 114-122.	0.5	0
51	Optimal Power Generation Output Considering Cascading Failure. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 106-113.	0.5	0
52	Optimal Operation of Reservoir Power Generation Based on Improved Grey Wolf Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 987-996.	0.5	0
53	Research on Pre-view Method of Safety Level of Cascading Trip for Power Grid. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 855-862.	0.5	0
54	Barriers and Challenges to Smart Grid Technology Deployment in the Kingdom of Saudi Arabia (KSA). <i>Advances in Intelligent Systems and Computing</i> , 2021, , 193-201.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Study of Thermal Power Plant's Intelligent Fire Detection and Suppression System Via Wireless Sensor Network and Carbon Capture and Storage Technology. Smart Innovation, Systems and Technologies, 2021, , 123-132.	0.5	0
56	Application of Advanced Framework Technology in Smart Cities to Improve Resource Utilization. , 0, ,		0
57	Research on Intelligent Frequency Control of Permanent Magnet Synchronous Motor. , 2020, ,		0
58	Study of the Intelligent Algorithm of Hilbert-Huang Transform in Advanced Power System. Advances in Intelligent Systems and Computing, 2021, , 577-585.	0.5	0
59	Ergonomics Management of High-Tech Fab Based on Visual Recognition-Case Study for Etching Process PM. , 2020, ,		0
60	Study Of Dsp (Tms320f2812) Chip For Advanced Photovoltaic Power Generation Maximum Power Point Tracking Control System. , 2020, ,		0
61	Study of Green Supply Chain Management Platform Performance for Intelligent Hightech Factory Based on Advanced CSR Governance. , 2020, ,		0
62	Temperature Control and Improvement of Mocvd in 5G Chip Process Based on Quatre Algorithm. , 2021, ,		0