Jun-ho huh

List of Publications by Year
in descending order

121 papers	1,929 citations	293460 24 h-index	371746 37 g-index
130 all docs	130 docs citations	130 times ranked	1538 citing authors

#	Article	IF	Citations
1	Group signature with restrictive linkability: minimizing privacy exposure in ubiquitous environment. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1411-1421.	3.3	28
2	GUI-based software modularization through module clustering in edge computing based IoT environments. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1625-1639.	3.3	8
3	Implementation of Smart Grid Test Bed Using OPNET and PLC. , 2022, , 635-671.		1
4	Building a model to exploit association rules and analyze purchasing behavior based on rough set theory. Journal of Supercomputing, 2022, 78, 11051-11091.	2.4	15
5	System Design for Detecting Real Estate Speculation Abusing Inside Information: For the Fair Reallocation of Land. Land, 2022, 11, 565.	1.2	0
6	Review of Photovoltaic Power and Aquaculture in Desert. Energies, 2022, 15, 3288.	1.6	10
7	Review for Examining the Oxidation Process of the Moon Using Generative Adversarial Networks: Focusing on Landscape of Moon. Electronics (Switzerland), 2022, 11, 1303.	1.8	3
8	Attack Graph Generation with Machine Learning for Network Security. Electronics (Switzerland), 2022, 11, 1332.	1.8	3
9	A Research Trend on Anonymous Signature and Authentication Methods for Privacy Invasion Preventability on Smart Grid and Power Plant Environments. Energies, 2022, 15, 4363.	1.6	3
10	Estimation of future power consumption level in smart grid: Application of fuzzy logic and genetic algorithm on big data platform. International Journal of Communication Systems, 2021, 34, e4056.	1.6	10
11	Traffic Inference System Using Correlation Analysis with Various Predicted Big Data. Electronics (Switzerland), 2021, 10, 354.	1.8	3
12	Land Price Forecasting Research by Macro and Micro Factors and Real Estate Market Utilization Plan Research by Landscape Factors: Big Data Analysis Approach. Symmetry, 2021, 13, 616.	1.1	10
13	Review on Generative Adversarial Networks: Focusing on Computer Vision and Its Applications. Electronics (Switzerland), 2021, 10, 1216.	1.8	42
14	Building an Operational Solution Assistant System for Foreign SMEs in ROK. Applied Sciences (Switzerland), 2021, 11, 4510.	1.3	1
15	Research on Crop Growing Factory: Focusing on Lighting and Environmental Control with Technological Proposal. Energies, 2021, 14, 2624.	1.6	2
16	Smart Trash Bin Model Design and Future for Smart City. Applied Sciences (Switzerland), 2021, 11, 4810.	1.3	10
17	Visual Algorithm of VR E-Sports for Online Health Care. Healthcare (Switzerland), 2021, 9, 824.	1.0	7
18	A Study on an Enhanced Autonomous Driving Simulation Model Based on Reinforcement Learning Using a Collision Prevention Model. Electronics (Switzerland), 2021, 10, 2271.	1.8	6

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19	Management of Schemes and Threat Prevention in ICS Partner Companies Security. Computers, Materials and Continua, 2021, 69, 3659-3684.	1.5	0
20	Applying Sentiment Product Reviews and Visualization for BI Systems in Vietnamese E-Commerce Website: Focusing on Vietnamese Context. Electronics (Switzerland), 2021, 10, 2481.	1.8	2
21	A Novel on Conditional Min Pooling and Restructured Convolutional Neural Network. Electronics (Switzerland), 2021, 10, 2407.	1.8	5
22	Electronic Solutions for Artificial Intelligence Healthcare. Electronics (Switzerland), 2021, 10, 2421.	1.8	4
23	Overview of Solar Energy for Aquaculture: The Potential and Future Trends. Energies, 2021, 14, 6923.	1.6	25
24	Overview of Possibilities of Solar Floating Photovoltaic Systems in the OffShore Industry. Energies, 2021, 14, 6988.	1.6	26
25	Accurate Demand Forecasting: A Flexible and Balanced Electric Power Production Big Data Virtualization Based on Photovoltaic Power Plant. Energies, 2021, 14, 6915.	1.6	2
26	Overview of Smart Aquaculture System: Focusing on Applications of Machine Learning and Computer Vision. Electronics (Switzerland), 2021, 10, 2882.	1.8	31
27	A Proposal for Clothing Size Recommendation System Using Chinese Online Shopping Malls: The New Era of Data. Applied Sciences (Switzerland), 2021, 11, 11215.	1.3	1
28	A Survey to Reduce STDs Infection in Mongolia and Big Data Virtualization Propagation. Electronics (Switzerland), 2021, 10, 3101.	1.8	1
29	Reefer container monitoring system using PLC-based communication technology for maritime edge computing. Journal of Supercomputing, 2020, 76, 5221-5243.	2.4	13
30	Python TensorFlow Big Data Analysis for the Security of Korean Nuclear Power Plants. Electronics (Switzerland), 2020, 9, 1467.	1.8	2
31	Consistency of Medical Data Using Intelligent Neuron Faster R-CNN Algorithm for Smart Health Care Application. Healthcare (Switzerland), 2020, 8, 185.	1.0	9
32	Blockchain of Carbon Trading for UN Sustainable Development Goals. Sustainability, 2020, 12, 4021.	1.6	43
33	A Novel Model on Reinforce K-Means Using Location Division Model and Outlier of Initial Value for Lowering Data Cost. Entropy, 2020, 22, 902.	1.1	5
34	A Study on Acer Mono Sap Integration Management System Based on Energy Harvesting Electric Device and Sap Big Data Analysis Model. Electronics (Switzerland), 2020, 9, 1979.	1.8	1
35	Neuron Blockchain Algorithm for Legal Problems in Inheritance of Legacy. Electronics (Switzerland), 2020, 9, 1595.	1.8	5
36	Inverter Efficiency Analysis Model Based on Solar Power Estimation Using Solar Radiation. Processes, 2020, 8, 1225.	1.3	29

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37	Evaluation of Urban Landscape Outdoor Advertisement Signboards Using Virtual Reality. Land, 2020, 9, 141.	1.2	5
38	Surgery Agreement Signature Authentication System for Mobile Health Care. Electronics (Switzerland), 2020, 9, 890.	1.8	5
39	Optimization Design and Test Bed of Fuzzy Control Rule Base for PV System MPPT in Micro Grid. Sustainability, 2020, 12, 3763.	1.6	17
40	Artificial Neural Network Blockchain Techniques for Healthcare System: Focusing on the Personal Health Records. Electronics (Switzerland), 2020, 9, 763.	1.8	35
41	Overview of Maximum Power Point Tracking Methods for PV System in Micro Grid. Electronics (Switzerland), 2020, 9, 816.	1.8	41
42	Verification Plan Using Neural Algorithm Blockchain Smart Contract for Secure P2P Real Estate Transactions. Electronics (Switzerland), 2020, 9, 1052.	1.8	21
43	Face Recognition at a Distance for a Stand-Alone Access Control System. Sensors, 2020, 20, 785.	2.1	36
44	An Efficient Micro Grid Optimization Theory. Mathematics, 2020, 8, 560.	1.1	13
45	BEGAN v3: Avoiding Mode Collapse in GANs Using Variational Inference. Electronics (Switzerland), 2020, 9, 688.	1.8	24
46	Decrepit Building Monitoring Solution for Zero Energy Building Management Using PLC and Android Application. Sustainability, 2020, 12, 1993.	1.6	3
47	Hierarchical System Decomposition Using Genetic Algorithm for Future Sustainable Computing. Sustainability, 2020, 12, 2177.	1.6	2
48	Autochain platform: expert automatic algorithm Blockchain technology for house rental dApp image application model. Eurasip Journal on Image and Video Processing, 2020, 2020, .	1.7	13
49	Context-aware auction solution of cooperative fish market monitoring system for intelligent user. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	3
50	Blockchain Agreement for Self-identification of Online Test Cheating: Improvement of Algorithm Performance. , 2020, , .		1
51	Blockchain-based mobile fingerprint verification and automatic log-in platform for future computing. Journal of Supercomputing, 2019, 75, 3123-3139.	2.4	67
52	An effective security measures for nuclear power plant using big data analysis approach. Journal of Supercomputing, 2019, 75, 4267-4294.	2.4	48
53	A Novel on Transmission Line Tower Big Data Analysis Model Using Altered K-means and ADQL. Sustainability, 2019, 11, 3499.	1.6	13
54	Digital Forensics System Using PLC for Inter-Floor Noise Measurement: Detailing PLC-Based Android Solution Replacing CCTV-based Solution. Electronics (Switzerland), 2019, 8, 1091.	1.8	1

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55	Understanding Edge Computing: Engineering Evolution With Artificial Intelligence. IEEE Access, 2019, 7, 164229-164245.	2.6	85
56	Improvement of Energy Efficiency and Control Performance of Cooling System Fan Applied to Industry 4.0 Data Center. Electronics (Switzerland), 2019, 8, 582.	1.8	18
57	The Blockchain Consensus Algorithm for Viable Management of New and Renewable Energies. Sustainability, 2019, 11, 3184.	1.6	40
58	Automatic Emotion-Based Music Classification for Supporting Intelligent IoT Applications. Electronics (Switzerland), 2019, 8, 164.	1.8	52
59	Improvement of Temperature Control Performance of Thermoelectric Dehumidifier Used Industry 4.0 by the SF-PI Controller. Processes, 2019, 7, 98.	1.3	14
60	An Optimization Theory of Home Occupants' Access Data for Determining Smart Grid Service. Communications in Computer and Information Science, 2019, , 143-152.	0.4	2
61	A Study on Improvement of Blockchain Application to Overcome Vulnerability of IoT Multiplatform Security. Energies, 2019, 12, 402.	1.6	50
62	An Efficient LMS Platform and Its Test Bed. Electronics (Switzerland), 2019, 8, 154.	1.8	13
63	Improvement of MPPT Control Performance Using Fuzzy Control and VGPI in the PV System for Micro Grid. Sustainability, 2019, 11, 5891.	1.6	27
64	B+-tree construction on massive data with Hadoop. Cluster Computing, 2019, 22, 1011-1021.	3.5	16
65	A location-based mobile health care facility search system for senior citizens. Journal of Supercomputing, 2019, 75, 1831-1848.	2.4	37
66	Nash Equilibrium Solution for Communication in Strategic Competition Adopted by Zigbee Network for Micro Grid. Lecture Notes in Electrical Engineering, 2019, , 595-606.	0.3	2
67	Anonymous Signature with Signer-Controlled Opening Capability. Lecture Notes in Electrical Engineering, 2018, , 878-882.	0.3	0
68	A Design of Portable Continuous Passive Joint Mobilization Equipment System. Lecture Notes in Electrical Engineering, 2018, , 215-220.	0.3	0
69	A Case Study Analysis of Clothing Shopping Mall for Customer Design Participation Service and Development of Customer Editing User Interface. Mobile Information Systems, 2018, 2018, 1-19.	0.4	3
70	Reliable User Datagram Protocol as a Solution to Latencies in Network Games. Electronics (Switzerland), 2018, 7, 295.	1.8	3
71	Simulation and Test Bed of a Low-Power Digital Excitation System for Industry 4.0. Processes, 2018, 6, 145.	1.3	13
72	An Efficient Solitary Senior Citizens Care Algorithm and Application: Considering Emotional Care for Big Data Collection. Processes, 2018, 6, 244.	1.3	9

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73	The Opening Capability for Security against Privacy Infringements in the Smart Grid Environment. Mathematics, 2018, 6, 202.	1.1	8
74	Customized CAD Modeling and Design of Production Process for One-Person One-Clothing Mass Production System. Electronics (Switzerland), 2018, 7, 270.	1.8	12
75	Time-Based Trend of Carbon Emissions in the Composting Process of Swine Manure in the Context of Agriculture 4.0. Processes, 2018, 6, 168.	1.3	27
76	An Optimized Algorithm and Test Bed for Improvement of Efficiency of ESS and Energy Use. Electronics (Switzerland), 2018, 7, 388.	1.8	7
77	A study on the LMS platform performance and performance improvement of K-MOOCSs platform from learnerâ€™s perspect. Journal of Ambient Intelligence and Humanized Computing, 2018, , 1.	3.3	3
78	Effect of Cooperation on Manufacturing IT Project Development and Test Bed for Successful Industry 4.0 Project: Safety Management for Security. Processes, 2018, 6, 88.	1.3	26
79	PLC-Integrated Sensing Technology in Mountain Regions for Drone Landing Sites: Focusing on Software Technology. Sensors, 2018, 18, 2693.	2.1	14
80	A Study on the Improvement of Smart Grid Security Performance and Blockchain Smart Grid Perspective. Energies, 2018, 11, 1973.	1.6	69
81	A Cost-Effective Redundant Digital Excitation Control System and Test Bed Experiment for Safe Power Supply for Process Industry 4.0. Processes, 2018, 6, 85.	1.3	15
82	Server Operation and Virtualization to Save Energy and Cost in Future Sustainable Computing. Sustainability, 2018, 10, 1919.	1.6	12
83	Design of a Shipboard Outside Communication Network and Its Testbed Using PLC: For Safety Management during the Ship Building Process. Processes, 2018, 6, 67.	1.3	8
84	Big Data Analysis for Personalized Health Activities: Machine Learning Processing for Automatic Keyword Extraction Approach. Symmetry, 2018, 10, 93.	1.1	50
85	Implementation of lightweight intrusion detection model for security of smart green house and vertical farm. International Journal of Distributed Sensor Networks, 2018, 14, 155014771876763.	1.3	21
86	Bi-directional education contents using VR equipments and augmented reality. Multimedia Tools and Applications, 2018, 77, 30089-30104.	2.6	14
87	A Design of Scheduling Program for Diabetic Patients: A Software Engineering Approach. Lecture Notes in Electrical Engineering, 2018, , 198-203.	0.3	0
88	Group Signature with Signer-Controlled Opening Capability: Separate Token Generator. Lecture Notes in Electrical Engineering, 2018, , 883-887.	0.3	0
89	A Keyword-Based Big Data Analysis for Individualized Health Activity Using Keyword Analysis Technique: A Methodological Approach Using National Health Data. Lecture Notes in Electrical Engineering, 2018, , 1237-1243.	0.3	0
90	A study of enhancement of ranging performance of beacons through improvement of the smart phone's gyroscope. , 2017, , .		2

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91	A study on the framework design of Korean-model PLC-integrated drone landing site in mountain regions: A software engineering approach. , 2017, , .		0
92	An Indoor Location-Based Control System Using Bluetooth Beacons for IoT Systems. Sensors, 2017, 17, 2917.	2.1	102
93	PLC-based design of monitoring system for ICT-integrated vertical fish farm. Human-centric Computing and Information Sciences, 2017, 7, .	6.1	41
94	A Study on Digitalization of Seafarerâ€™s Book Republic of Korea for e-Navigation: Focusing on Wireless Network. Lecture Notes in Electrical Engineering, 2017, , 1046-1052.	0.3	1
95	Improving the B+-Tree Construction for Transaction Log Data in Bank System Using Hadoop. Lecture Notes in Electrical Engineering, 2017, , 519-525.	0.3	1
96	A Study on Digital Forensic System Design for Inter-Floor Noise Measurement Using Power Line Communication Technology and Java Android. International Journal of Urban Design for Ubiquitous Computing, 2017, 5, 33-38.	0.1	1
97	Indoor Location-based Control System Using Bluetooth Beacons. World Journal of Wireless Devices and Engineering, 2017, 1, 7-12.	0.1	1
98	A Design of Smart-based Education Gamification Platform Using Mobile Devices for Digital Content. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 101-114.	0.3	3
99	Smart Grid Framework Test Bed Using OPNET and Power Line Communication. , 2016, , .		12
100	A framework and test bed for the single-living senior citizens care: Access and grave site monitorings. , 2016, , .		3
101	Advanced metering infrastructure design and test bed experiment using intelligent agents: focusing on the PLC network base technology for Smart Grid system. Journal of Supercomputing, 2016, 72, 1862-1877.	2.4	84
102	Design and Android Application for Monitoring System Using PLC for ICT-Integrated Fish Farm. Lecture Notes in Electrical Engineering, 2016, , 617-625.	0.3	9
103	Design and test bed experiments of server operation system using virtualization technology. Human-centric Computing and Information Sciences, 2016, 6, .	6.1	47
104	Communications-Based Technology for Smart Grid Test Bed Using OPNET Simulations. Lecture Notes in Electrical Engineering, 2016, , 227-233.	0.3	10
105	Design of a Shipboard Outside Communication Network and the Test Bed Using PLC. , 2016, , .		14
106	Design of NMEA2000 CAN Bus Integrated Network System and Its Test Bed: Setting Up the PLC System in Between Bridgeâ€"Bow Room Section on a Container Ship as a Backbone System. Lecture Notes in Electrical Engineering, 2016, , 191-204.	0.3	3
107	A Design of Reefer Container Monitoring System Using PLC-Based Technology. Lecture Notes in Electrical Engineering, 2016, , 795-802.	0.3	3
108	Design and Configuration of Avoidance Technique for Worst Situation in Zigbee Communications Using OPNET. Lecture Notes in Electrical Engineering, 2016, , 331-336.	0.3	6

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109	A Preliminary Analysis Model of Big Data for Prevention of Bioaccumulation of Heavy Metal-Based Pollutants: Focusing on the Atmospheric Data Analyses. , 2016, , .		3
110	Bluetooth-Tracing RSSI Sampling Method as Basic Technology of Indoor Localization for Smart Homes. International Journal of Smart Home, 2016, 10, 9-22.	0.6	13
111	Modelling of a Base Big Data Analysis Using R Method for Selection of Suitable Vertical Farm Sites: Focusing on the Analysis of Pollutants. Journal of Korea Multimedia Society, 2016, 19, 1970-1980.	0.1	1
112	A Case Study of the Base Technology for the Smart Grid Security: Focusing on a Performance Improvement of the Basic Algorithm for the DDoS Attacks Detection Using CUDA. Journal of Korea Multimedia Society, 2016, 19, 411-417.	0.1	4
113	Hybrid Advanced Metering Infrastructure Design for Micro Grid Using the Game Theory Model. International Journal of Software Engineering and Its Applications, 2015, 9, 257-268.	0.2	21
114	Design of the Real-Time Mobile Push System for Implementation of the Shipboard Smart Working. Lecture Notes in Electrical Engineering, 2015, , 541-548.	0.3	22
115	Design and Implementation of the Basic Technology for Realtime Smart Metering System Using Power Line Communication for Smart Grid. Lecture Notes in Electrical Engineering, 2015, , 663-669.	0.3	16
116	Hybrid AMI Design for Smart Grid Using the Game Theory Model. , 2015, , .		12
117	NMEA2000 Ship Area Network (SAN) design and Test Bed using Power Line Communication (PLC) with the 3-Phase 3-Line Delta Connection Method. , 2015, , .		13
118	Implementation of Graphic Based Network Intrusion Detection System for Server Operation. International Journal of Security and Its Applications, 2015, 9, 37-48.	0.5	4
119	A Design of Foundation Technology for PLC-based Smart-grave(Tumulus) System. Journal of Korea Multimedia Society, 2015, 18, 1319-1331.	0.1	5
120	Design and Implementation of the Basic Technology for Solitary Senior Citizen's Lonely Death Monitor ing System using PLC. Journal of Korea Multimedia Society, 2015, 18, 742-752.	0.1	33
121	Optimizing patient transportation by applying cloud computing and big data analysis. Journal of Supercomputing, 0, , .	2.4	4