

# Suherman Suherman

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

200  
citations

1307594

7  
h-index

1372567

10  
g-index

90  
all docs

90  
docs citations

90  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonic Sensor Assessment for Obstacle Avoidance in Quadcopter-based Drone System. , 2020, , .		14
2	A Transport Layer Protocol for Uplink WiMAX Video Streaming. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 19-32.	0.4	13
3	Wifi-friendly building, enabling wifi signal indoor: an initial study. IOP Conference Series: Earth and Environmental Science, 2018, 126, 012022.	0.3	12
4	WiFi-Friendly Building to Enable WiFi Signal Indoor. Bulletin of Electrical Engineering and Informatics, 2018, 7, 264-271.	0.8	11
5	The edge detection enhancement on satellite image using bilateral filter. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012052.	0.6	10
6	A Passive Cooling System for Increasing Efficiency of Solar Panel Output. Journal of Physics: Conference Series, 2019, 1373, 012017.	0.4	10
7	Increasing uplink broadband video streaming protocol performance in WiMAX network. International Journal of Internet Protocol Technology, 2013, 7, 176.	0.2	9
8	Supercapacitor performance evaluation in replacing battery based on charging and discharging current characteristics. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012078.	0.6	8
9	Optimizing the 802.11 hotspot performances by using load and resource balancing method. IOP Conference Series: Materials Science and Engineering, 0, 420, 012128.	0.6	7
10	Water and Heat-sink Cooling System for Increasing the Solar Cell Performances. EAI Endorsed Transactions on Energy Web, 2018, .	0.4	6
11	UDP-Lite Enhancement Through Checksum Protection. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012146.	0.6	5
12	Measuring the power consumption of social media applications on a mobile device. Journal of Physics: Conference Series, 2018, 978, 012104.	0.4	5
13	Filter Component Impact on EGS002-based Inverter Circuit Performances. IOP Conference Series: Materials Science and Engineering, 2021, 1062, 012050.	0.6	5
14	Design and simulation hybrid filter for 17 level multilevel inverter. Bulletin of Electrical Engineering and Informatics, 2020, 9, 886-897.	0.8	5
15	An efficient negative acknowledgement-based transport protocol in 802.11 media streaming. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 16, 161.	0.5	4
16	Oil palm fresh fruit bunch ripeness classification using back propagation and learning vector quantization. IOP Conference Series: Materials Science and Engineering, 0, 434, 012066.	0.6	4
17	Characterization of Outdoor to Indoor Propagation in Urban Area by Using A Combination of COST231 Walfisch-Ikegami and COST231 Multiwall Models in 1800 Mhz and 2100 Mhz. International Journal of Engineering and Technology(UAE), 2018, 7, 698.	0.3	4
18	Bandwidth enhancement of rectangular patch microstrip antenna using left handed metamaterial at 2.4 GHz. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012054.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Cross-Point Comparison of Multistage Non-Blocking Technologies. International Journal of Engineering and Technology(UAE), 2018, 7, 703.	0.3	3
20	Multistage switching hardware and software implementations for student experiment purpose. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012097.	0.6	3
21	Measuring the commercial solar panel performance. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012051.	0.6	3
22	Expert System for Diagnosing Dental and Mouth Diseases with a Website-Based Certainty Factor (CF) Method. , 2020, , .		3
23	Improving real time video surveillance performance using inter-frame retransmission. , 2011, , .		2
24	Reducing multimedia transmission delay by shortening TCP acknowledgement route. , 2016, , .		2
25	Radio-Friendly Building for Efficient Signal Distribution. , 2018, , .		2
26	Miniaturization of rectangular patch microstrip antenna by using complementary split ring resonator. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012132.	0.6	2
27	Passive filter design for reducing harmonics in light emitting diode bulb. MATEC Web of Conferences, 2018, 197, 11019.	0.2	2
28	Energy consumption model on WiMAX subscriber station. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012002.	0.6	2
29	Brain Tumour Image Classification Using Learning Vector Quantization Based Zoning Method. Journal of Physics: Conference Series, 2019, 1235, 012027.	0.4	2
30	Impact three pass protocol modifications to key transmission performance. Journal of Physics: Conference Series, 2019, 1235, 012050.	0.4	2
31	Design and analysis of the LDR-controlled device. IOP Conference Series: Materials Science and Engineering, 2020, 851, 012011.	0.6	2
32	Downlink ratio impact on downstream traffic performances on WiMAX. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012057.	0.6	2
33	Design and characteristics assessment of wireless vibration sensor for buildings and houses. Indonesian Journal of Electrical Engineering and Computer Science, 2021, 21, 1381.	0.8	2
34	Embedding the three pass protocol messages into transmission control protocol header. Indonesian Journal of Electrical Engineering and Computer Science, 2021, 22, 442.	0.8	2
35	UDP Checksum Field Usage for Sensor Data. IOP Conference Series: Materials Science and Engineering, 0, 1003, 012086.	0.6	2
36	Adjusting WiMAX for a Dedicated Surveillance Network. International Journal of Electrical and Computer Engineering, 2013, 3, .	0.7	2

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37	Sensor Based versus Server Based Image Detection Sensor using the 433 Mhz Radio Link. , 2020, , .		2
38	Reducing mobile device energy consumption in transmitting multimedia content by arranging transport protocol load. , 2016, , .		1
39	Impact of window decrement rate on TCP performance in an adhoc network. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012017.	0.6	1
40	A subjective scheduler for subjective dedicated networks. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012019.	0.6	1
41	Designing and Characterizing Periodic Image Monitoring Device for Remote Surveillance Purpose. Journal of Physics: Conference Series, 2017, 801, 012082.	0.4	1
42	A review on transport layer protocol performance for delivering video on an adhoc network. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012018.	0.6	1
43	Applying transpose matrix on advanced encryption standard (AES) for database content. Journal of Physics: Conference Series, 2018, 978, 012073.	0.4	1
44	Computer simulation and implementation of defected ground structure on a microstrip antenna. Journal of Physics: Conference Series, 2018, 978, 012075.	0.4	1
45	State and Duration Model of Energy Consumption in A Wimax Mobile Device. International Journal of Engineering and Technology(UAE), 2018, 7, 718.	0.3	1
46	Minimizing Energy Consumption on Mobile Phone by Rearranging Transport Protocol Load. International Journal of Engineering and Technology(UAE), 2018, 7, 713.	0.3	1
47	Delay reduction of transmission control protocol in WiMAX by prioritizing the acknowledgement packets. MATEC Web of Conferences, 2018, 197, 11021.	0.2	1
48	Simulation comparison of proportional integral derivative and fuzzy logic in controlling AC-DC buck boost converter. Journal of Physics: Conference Series, 2018, 978, 012074.	0.4	1
49	Energy-signal quality trade-offs in a WiMAX mobile station with a booster amplifier. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012003.	0.6	1
50	The Impact of Buffer Queue Interface Size to The 802.11 Ad Hoc Network Performances. IOP Conference Series: Materials Science and Engineering, 2019, 506, 012039.	0.6	1
51	Optimizing solar panel output by using light sensors, driving motors and fuzzy controller. IOP Conference Series: Materials Science and Engineering, 2019, 506, 012042.	0.6	1
52	Various layer techniques to improve video transmission on 20 GHz radio link in a rainy environment. IOP Conference Series: Materials Science and Engineering, 2019, 506, 012044.	0.6	1
53	Maximizing Power Tracking of an Offshore Wind Turbine Using Perturb and Observe Method. Journal of Physics: Conference Series, 2019, 1373, 012008.	0.4	1
54	Clustered beacon signal cell breathing for load balancing in mobile and wireless networks. , 2019, , .		1

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55	Received signal consideration for the through the earth radio-based underground object detection. Journal of Physics: Conference Series, 2020, 1566, 012003.	0.4	1
56	Design and simulation of rectangular patch microstrip antenna with inset feed for S-band application. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012056.	0.6	1
57	Classification of skin cancer images by applying simple evolving connectionist system. IAES International Journal of Artificial Intelligence, 2021, 10, 421.	0.8	1
58	Filter impact based on inverter circuit performances. IOP Conference Series: Earth and Environmental Science, 2021, 644, 012064.	0.3	1
59	Heterogenous Traffic Performances on Local Multipoint Distribution Service System in Rainy Environment. Telkomnika (Telecommunication Computing Electronics and Control), 2015, 13, 230.	0.8	1
60	Applying a rateless code in content delivery networks. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012016.	0.6	0
61	Power wireless transferbased on a royeroscillator. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012050.	0.6	0
62	Packet size impact on the 802.11 network performances. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012275.	0.6	0
63	Distributed Generators Presence Impact to the Overall System Performance. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012215.	0.6	0
64	Simulation evaluation of capacitor bank impact on increasing supply current for alumunium production. Journal of Physics: Conference Series, 2018, 978, 012062.	0.4	0
65	Minimizing yagi-uda radiosonde receiver antenna size using minkowski curve fractal model. IOP Conference Series: Earth and Environmental Science, 2018, 126, 012045.	0.3	0
66	Condition Monitoring of Distribution Transformers. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012049.	0.6	0
67	Modification of chipertext Elgamal algorithm using split merge. Journal of Physics: Conference Series, 2019, 1235, 012054.	0.4	0
68	Comparing web and mobile based power consumptions of Whatsapp applications. Journal of Physics: Conference Series, 2019, 1175, 012123.	0.4	0
69	Impact video properties to video transmission performances. Journal of Physics: Conference Series, 2019, 1175, 012124.	0.4	0
70	Improving One-Time Pad Algorithm on Shamir's Three-Pass Protocol Scheme by Using RSA and ElGamal Algorithms. Journal of Physics: Conference Series, 2019, 1235, 012007.	0.4	0
71	Load balancing algorithm for a local video network. Journal of Physics: Conference Series, 2019, 1235, 012018.	0.4	0
72	Impact Transport Layer Protocol Performances to the Encrypted Traffics. Journal of Physics: Conference Series, 2019, 1235, 012032.	0.4	0

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73	Crossbar switch module implementation for laboratory purpose. Journal of Physics: Conference Series, 2019, 1235, 012042.	0.4	0
74	Prediction system of carbon monoxide toxic gas monitoring using double moving average method. Journal of Physics: Conference Series, 2019, 1373, 012001.	0.4	0
75	Link quality decrement and spectrum crowded impacts to wireless local area network performances. Journal of Physics: Conference Series, 2019, 1373, 012046.	0.4	0
76	Data transmission period consideration on the internet of thing node. Journal of Physics: Conference Series, 2020, 1566, 012006.	0.4	0
77	Detach CTS for active load balancing in 802.11 networks. Journal of Physics: Conference Series, 2020, 1566, 012005.	0.4	0
78	LTE soft handover based on hysteresis and threshold combination. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012058.	0.6	0
79	Environmental Sensor Assessment for a Light Quadcopter Drone. IOP Conference Series: Materials Science and Engineering, 2020, 851, 012017.	0.6	0
80	Byteless CTS for passive load balancing in 802.11 networks. Journal of Physics: Conference Series, 2020, 1566, 012004.	0.4	0
81	The Extended Internet of Thing Node Impact to Data Collection Performances. , 2020, , .		0
82	Node-based versus Server-based Data Validations in Internet of Things. IOP Conference Series: Materials Science and Engineering, 2020, 851, 012062.	0.6	0
83	Impact humidity monitoring based watering to planted tomatoes. Journal of Physics: Conference Series, 2021, 1783, 012064.	0.4	0
84	Movement Parameters for Evaluating the Two-legged Humanoid Robot. IOP Conference Series: Materials Science and Engineering, 2021, 1062, 012058.	0.6	0
85	Intermittent versus continuous social media exposure for energy consumption and human eye health. Journal of Physics: Conference Series, 2021, 1783, 012066.	0.4	0
86	Dropped voltage analysis on 20 KV distribution network. Journal of Physics: Conference Series, 2021, 1783, 012061.	0.4	0
87	Increasing transmission control protocol speed by reducing the acknowledgement collision probability. Indonesian Journal of Electrical Engineering and Computer Science, 2021, 22, 121.	0.8	0
88	Delay distributions on encrypted real-time traffics. Journal of Physics: Conference Series, 2021, 1898, 012001.	0.4	0
89	Load current, dropped voltage and size considerations in LDR based light control system. IOP Conference Series: Earth and Environmental Science, 2021, 644, 012015.	0.3	0
90	Impact Suboptimal Signal Degradation Handoff (SDH) Properties to Handoff Parameters. International Journal of Engineering and Technology(UAE), 2018, 7, 709.	0.3	0