Ashraf A Tahat

List of Publications by Year
in descending order

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33 papers	310 citations	1684188 5 h-index	1281871 11 g-index
34 all docs	34 docs citations	34 times ranked	327 citing authors

#	Article	IF	Citations
1	A Look at the Recent Wireless Positioning Techniques With a Focus on Algorithms for Moving Receivers. IEEE Access, 2016, 4, 6652-6680.	4.2	95
2	A Comparative Performance Evaluation of Machine Learning Algorithms for Fingerprinting Based Localization in DM-MIMO Wireless Systems Relying on Big Data Techniques. IEEE Access, 2020, 8, 109522-109534.	4.2	39
3	Android-based universal vehicle diagnostic and tracking system. , 2012, , .		30
4	Mobile Messaging Services-Based Personal Electrocardiogram Monitoring System. International Journal of Telemedicine and Applications, 2009, 2009, 1-7.	2.0	21
5	Mobile personal electrocardiogram monitoring system and transmission using MMS. , 2008, , .		18
6	Path loss and propagation models at 3.5 GHz using deployed WiMAX network. , 2011, , .		17
7	Statistical tuning of Walfisch-Ikegami propagation model using Particle Swarm Optimization. , 2012, , .		14
8	Solar energy water heater remote monitoring and control system. , 2011, , .		9
9	Body Temperature and Electrocardiogram Monitoring Using an SMS-Based Telemedicine System. , 2009, , .		8
10	Performance Analysis of Variant MIMO Systems Over 3-D Vehicular to Vehicular Channel. IEEE Access, 2020, 8, 73250-73258.	4.2	6
11	Design of an integrated mobile system to measure blood pressure. , 2011, , .		5
12	Efficient Pilot Decontamination Schemes in 5G Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 55.	3.1	5
13	A new RSA public key encryption scheme with chaotic maps. International Journal of Electrical and Computer Engineering, 2020, 10, 1430.	0.7	5
14	Evolution of optical networks: from legacy networks to next-generation networks. Journal of Optical Communications, 2024, 44, s955-s970.	4.7	5
15	Multi-User Channel Estimation in a 4G OFDM System. , 2007, , .		4
16	An Analysis of a Stochastic ON-OFF Queueing Mobility Model for Software-Defined Vehicle Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1552-1565.	5.8	4
17	Relevance Vector Machines for Enhanced BER Probability in DMT-Based Systems. Journal of Electrical and Computer Engineering, 2010, 2010, 1-8.	0.9	3
18	Analysis of propagation models at 2.1 GHz for simulation of a live 3G cellular network. , 2011, , .		3

#	Article	IF	Citations
19	A Smart City Environmental Monitoring Network and Analysis Relying on Big Data Techniques. , 2018, , .		3
20	An Empirical Evaluation of Machine Learning Algorithms for Indoor Localization using Dual-Band WiFi. , 2021, , .		3
21	Subspace decomposition approach to multi-user MIMO channel estimation in SC-FDE systems. , 2013, , .		2
22	Channel Estimation Using Subspace Decomposition for SC-FDMA Systems. , 2014, , .		2
23	A Semi-Automated User-Centric Decision System for Green Communications Incorporating the Particle Swarm Optimization Algorithm. , 2019, , .		2
24	A Practical Evaluation of ML Algorithms for a Tag-Based BLE Indoor Positioning System. International Journal of Online and Biomedical Engineering, 2020, 16, 39.	1.4	2
25	An Evaluation of Machine Learning Algorithms in an Experimental Structural Health Monitoring System Incorporating LoRa IoT Connectivity. , 2022, , .		2
26	A Matrix Scheme to Extrapolation and Interpolation for a 4G MIMO OFDM System. , 2010, , .		1
27	Uncovering Age Progression in Wireless Signal Propagation Modeling Using Decisions of Machine Learning Classifiers : (Poster). , 2019, , .		1
28	Relevance vector machines for DMT based systems. , 2010, , .		0
29	Blending of learning tools for enhanced practical wireless communications education. , 2012, , .		0
30	Subspace Decomposition Channel Estimation for Multiple Virtual MIMO SC-FDMA Systems. , 2017, , .		0
31	Interpreting Trasmitarrays Far-Field Performance Using Its Near Focal Region Fields. , 2019, , .		0
32	Enhanced Practical Wireless Communications Education via Blended Instructional Tools. International Journal of Interactive Mobile Technologies, 2013, 7, 63.	1.2	0
33	Identity-based threshold group signature scheme based on multiple hard number theoretic problems. International Journal of Electrical and Computer Engineering, 2020, 10, 3695.	0.7	0