Seshadri Mohan

List of Publications by Year
in descending order

76 papers	2,086 citations	840776 11 h-index	580821 25 g-index
80 all docs	80 docs citations	80 times ranked	1159 citing authors

#	Article	IF	Citations
1	Strongly Connected Ramanujan Graphs for Highly Symmetric LDPC Codes. Wireless Personal Communications, 2022, 125, 2463-2475.	2.7	0
2	Cyclotomic Construction of Sparse Code Multiple Access with Improved Diversity. International Journal of Interdisciplinary Telecommunications and Networking, 2022, 14, 0-0.	0.3	0
3	Blockchain Enabled Intelligent Digital Forensics System for Autonomous Connected Vehicles. , 2022, , .		16
4	Securing the Physical Layer in the OFDM-Based Internet of Things (IoT) by Using Frequency Hopping Technique. International Journal of Interdisciplinary Telecommunications and Networking, 2021, 13, 72-82.	0.3	1
5	5G System Design Solutions for Wireless Personal Applications. Wireless Personal Communications, 2021, 120, 1923-1928.	2.7	2
6	Real-Time V2V Communication With a Machine Learning-Based System for Detecting Drowsiness of Drivers. International Journal of Interdisciplinary Telecommunications and Networking, 2021, 13, 35-50.	0.3	2
7	A Low Complexity Non-Distortion Clipping Technique PAPR Reduction of MIMO-OFDM Systems. International Journal of Interdisciplinary Telecommunications and Networking, 2021, 13, 11-20.	0.3	0
8	Smart Home Gardening Management System: A Cloud-Based Internet-of-Things (IoT) Application in VANET. , 2020, , .		22
9	Estimation of Channel State Information (CSI) in Cell-Free Massive MIMO Based on Time of Arrival (ToA). Wireless Personal Communications, 2020, 114, 1825-1831.	2.7	4
10	Cloud-Based Secured VANET with Advanced Resource Management and IoV Applications. , 2020, , 309-325.		12
11	Factors Influencing the PAPR Performance of OFDM and MIMO-OFDM Systems. International Journal of Interdisciplinary Telecommunications and Networking, 2019, 11, 23-33.	0.3	1
12	Multi-Sensory Human Bond Communication. IEEE Communications Magazine, 2019, 57, 18-18.	6.1	11
13	Advanced Spectrum Management For Next-Generation Vehicular Communication: An AI Approach. , 2019, , .		9
14	Blockchain-Based Internet of Vehicles (IoV): An Efficient Secure Ad Hoc Vehicular Networking Architecture. , 2019, , .		44
15	Improved MMSE channel estimation in massive MIMO system with a method for the prediction of channel correlation matrix. , 2018, , .		5
16	Estimation of channel state information for massive MIMO based on received data using Kalman filter. , 2018, , .		6
17	Improving the Physical Layer Security of the Internet of Things (IoT). , 2018, , .		1
18	Improving the Physical Layer Security of the Internet of Things (IoT). , 2018, , .		2

#	Article	IF	Citations
19	Self-Organizing Sustainable Spectrum Management Methodology in Cognitive Radio Vehicular Adhoc Network (CRAVENET) Environment: A Reinforcement Learning Approach. , 2018, , .		7
20	A Pre-Coding Technique to Mitigate PAPR in MIMO-OFDM Systems. , 2018, , .		1
21	A Security System Using Deep Learning Approach for Internet of Vehicles (IoV). , 2018, , .		18
22	Cloud-Based Cognitive Radio Adhoc Vehicular Network Architecture: A Next-Generation Smart City. , 2018, , .		8
23	Logical topology optimization of free space optical networks with tracking transceivers. Optical Switching and Networking, 2017, 24, 57-64.	2.0	2
24	A spectrally efficient algorithm for massive MIMO for mitigating pilot contamination. , 2017, , .		4
25	Cloud enabled cognitive radio adhoc vehicular networking (CRAVENET) with security aware resource management and internet of vehicles (IoV) applications. , 2017, , .		14
26	Dynamic spectrum leasing methodology (DSLM): A game theoretic approach. , 2016, , .		10
27	Analysis of beam divergence and input bit rate for free space optical communication link. , 2016, , .		3
28	Cognitive radio adhoc vehicular network (CRAVENET): Architecture, applications, security requirements and challenges. , 2016, , .		10
29	Continuous tracking in Free Space Optical balloon mesh networks. , 2016, , .		0
30	Novel Wireless Systems for Telemedicine and Body Area Networks Applications. Communications in Computer and Information Science, 2015, , 52-65.	0.5	1
31	Social networks meet next generation mobile multimedia internet [Guest Editorial]. , 2015, 53, 124-126.		0
32	Balloon mesh free space optical communication with tracking and link switching. , 2015, , .		4
33	A Cached Registration Scheme for IP Multimedia Subsystem (IMS). Journal of Cyber Security and Mobility, 2014, 3, 317-338.	0.7	0
34	A game theory-based distributed power control algorithm for femtocells. , 2014, , .		3
35	Impact of dynamic priority scheme on IP Multimedia Subsystem. , 2014, , .		0
36	Performance optimization of free space optical mesh networking with auto-orienting transceivers. , 2014, , .		0

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37	Optimal Sequential Channel Estimation and Probing for Multiband Cognitive Radio Systems. IEEE Transactions on Communications, 2014, 62, 2696-2708.	7.8	6
38	Peak-To-Average Power Ratio Reduction in OFDM Systems: A Survey And Taxonomy. IEEE Communications Surveys and Tutorials, 2013, 15, 1567-1592.	39.4	592
39	Bit-Error-Rate Performance of Companding Transforms for OFDM. IEEE Transactions on Vehicular Technology, 2013, 62, 4116-4120.	6.3	14
40	Mobile network-aware social computing applications: a framework, architecture, and analysis. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 43-56.	4.9	4
41	Countering the gain behavior of Erbium Doped Fiber Amplifiers: A cross layer approach. , 2013, , .		2
42	A Compact Polyimide-Based UWB Antenna for Flexible Electronics. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 564-567.	4.0	146
43	Social networks meet mobile networks. , 2012, 50, 72-73.		3
44	Sequential good channel search for multi-channel cognitive radio. , 2012, , .		3
45	Optimizing resources utilization in IP Multimedia Subsystem. , 2012, , .		3
46	A token-based routing mechanism for GMPLS-controlled WDM networks. Optical Switching and Networking, 2012, 9, 170-178.	2.0	3
47	Convergence of application services in next-generation networks [Guest Editorial]. , 2012, 50, 16-17.		4
48	Auto tracking system for free space optical communications. , 2011, , .		14
49	On the performance of linear and nonlinear companding transforms in OFDM systems. , 2011, , .		13
50	A convergent framework for QoS-driven social media content delivery over mobile networks. , 2011, , .		4
51	An investigation on the effect of bending of Split Ring Resonators. , 2011, , .		3
52	Mutual coupling reduction of dual-band printed monopoles using MNG metamaterial. , 2011, , .		16
53	Bit Error Rate Performance of Linear Companding Transforms for PAPR Reduction in OFDM Systems. , 2011, , .		12
54	An investigation on the effect of bending on UC-PBG structures. , 2011, , .		1

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55	A systems engineering approach to wireless integration, design, modeling, and analysis of nanosensors, networks, and systems. Proceedings of SPIE, 2010, , .	0.8	0
56	Design and analysis of protocols for QoS and autonomous recovery in GMPLS controlled IP over WDM networks. , 2010, , .		0
57	A multi-path routing scheme for GMPLS-controlled WDM networks. , 2010, , .		0
58	An analysis of IP multimedia subsystems for a hybrid network. , 2010, , .		3
59	ARMA companding scheme with improved symbol error rate for PAPR reduction in OFDM systems. , 2010, , .		3
60	Adaptive wavelength allocation in GMPLS controlled optical network. , 2010, , .		1
61	A concurrent two-layer restoration scheme for GMPLS WDM networks. Optical Switching and Networking, 2009, 6, 268-275.	2.0	1
62	Wireless integration, design, modeling, and analysis of nanosensors, networks, and systems: a systems engineering approach. Proceedings of SPIE, 2009, , .	0.8	0
63	Concurrent multi-layer restoration scheme for GMPLS based WDM networks. , 2008, , .		1
64	An analysis of IP Multimedia Subsystems (IMS). , 2007, , .		4
65	Challenges of Personal Environments Mobility in Heterogeneous Networks. Mobile Networks and Applications, 2003, 8, 7-9.	3.3	2
66	<title>Enhanced service zone architecture for multiservices over IP</title>. , 2001, , .		0
67	Mobility management for personal communications systems. IEEE Transactions on Vehicular Technology, 1997, 46, 269-278.	6.3	97
68	A caching strategy to reduce network impacts of PCS. IEEE Journal on Selected Areas in Communications, 1994, 12, 1434-1444.	14.0	256
69	Analyzing the trade off between implementation costs and performance: PCS Channel Assignment Strategies for Hand-off and Initial Access. IEEE Personal Communications, 1994, 1, 47.	3.8	49
70	Queueing priority channel assignment strategies for PCS hand-off and initial access. IEEE Transactions on Vehicular Technology, 1994, 43, 704-712.	6.3	350
71	Two user location strategies for personal communications services. IEEE Personal Communications, 1994, 1, 42-50.	3.8	212
72	Tree searched chain coding for subpixel reconstruction of planar curves. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1989, 11, 95-104.	13.9	12

#	ARTICLE	IF	CITATIONS
73	Tree encoding of line drawings. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1988, 36, 1542-1549.	2.0	7
74	Performance of a Multiprocessor-Based Parallel Stack Algorithm Speech Encoder. IEEE Transactions on Communications, 1987, 35, 463-466.	7.8	2
75	Stack Algorithm Speech Encoding with Fixed and Variable Symbol Release Rules. IEEE Transactions on Communications, 1985, 33, 1015-1018.	7.8	3
76	Computationally Optimal Metric-First Code Tree Search Algorithms. IEEE Transactions on Communications, 1984, 32, 710-717.	7.8	14