

# Seshadri Mohan

## List of Publications by Year in descending order

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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	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
2	Queueing priority channel assignment strategies for PCS hand-off and initial access. IEEE Transactions on Vehicular Technology, 1994, 43, 704-712.	6.3	350
3	A caching strategy to reduce network impacts of PCS. IEEE Journal on Selected Areas in Communications, 1994, 12, 1434-1444.	14.0	256
4	Two user location strategies for personal communications services. IEEE Personal Communications, 1994, 1, 42-50.	3.8	212
5	A Compact Polyimide-Based UWB Antenna for Flexible Electronics. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 564-567.	4.0	146
6	Mobility management for personal communications systems. IEEE Transactions on Vehicular Technology, 1997, 46, 269-278.	6.3	97
7	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
8	Blockchain-Based Internet of Vehicles (IoV): An Efficient Secure Ad Hoc Vehicular Networking Architecture. , 2019, , .		44
9	Smart Home Gardening Management System: A Cloud-Based Internet-of-Things (IoT) Application in VANET. , 2020, , .		22
10	A Security System Using Deep Learning Approach for Internet of Vehicles (IoV). , 2018, , .		18
11	Mutual coupling reduction of dual-band printed monopoles using MNG metamaterial. , 2011, , .		16
12	Blockchain Enabled Intelligent Digital Forensics System for Autonomous Connected Vehicles. , 2022, , .		16
13	Computationally Optimal Metric-First Code Tree Search Algorithms. IEEE Transactions on Communications, 1984, 32, 710-717.	7.8	14
14	Auto tracking system for free space optical communications. , 2011, , .		14
15	Bit-Error-Rate Performance of Companding Transforms for OFDM. IEEE Transactions on Vehicular Technology, 2013, 62, 4116-4120.	6.3	14
16	Cloud enabled cognitive radio adhoc vehicular networking (CRAVENET) with security aware resource management and internet of vehicles (IoV) applications. , 2017, , .		14
17	On the performance of linear and nonlinear companding transforms in OFDM systems. , 2011, , .		13
18	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
19	Bit Error Rate Performance of Linear Companding Transforms for PAPR Reduction in OFDM Systems. , 2011, , .		12
20	Cloud-Based Secured VANET with Advanced Resource Management and IoV Applications. , 2020, , 309-325.		12
21	Multi-Sensory Human Bond Communication. IEEE Communications Magazine, 2019, 57, 18-18.	6.1	11
22	Dynamic spectrum leasing methodology (DSLML): A game theoretic approach. , 2016, , .		10
23	Cognitive radio adhoc vehicular network (CRAVENET): Architecture, applications, security requirements and challenges. , 2016, , .		10
24	Advanced Spectrum Management For Next-Generation Vehicular Communication: An AI Approach. , 2019, , .		9
25	Cloud-Based Cognitive Radio Adhoc Vehicular Network Architecture: A Next-Generation Smart City. , 2018, , .		8
26	Tree encoding of line drawings. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1988, 36, 1542-1549.	2.0	7
27	Self-Organizing Sustainable Spectrum Management Methodology in Cognitive Radio Vehicular Adhoc Network (CRAVENET) Environment: A Reinforcement Learning Approach. , 2018, , .		7
28	Optimal Sequential Channel Estimation and Probing for Multiband Cognitive Radio Systems. IEEE Transactions on Communications, 2014, 62, 2696-2708.	7.8	6
29	Estimation of channel state information for massive MIMO based on received data using Kalman filter. , 2018, , .		6
30	Improved MMSE channel estimation in massive MIMO system with a method for the prediction of channel correlation matrix. , 2018, , .		5
31	An analysis of IP Multimedia Subsystems (IMS). , 2007, , .		4
32	A convergent framework for QoS-driven social media content delivery over mobile networks. , 2011, , .		4
33	Convergence of application services in next-generation networks [Guest Editorial]. , 2012, 50, 16-17.		4
34	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
35	Balloon mesh free space optical communication with tracking and link switching. , 2015, , .		4
36	A spectrally efficient algorithm for massive MIMO for mitigating pilot contamination. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	Estimation of Channel State Information (CSI) in Cell-Free Massive MIMO Based on Time of Arrival (ToA). <i>Wireless Personal Communications</i> , 2020, 114, 1825-1831.	2.7	4
38	Stack Algorithm Speech Encoding with Fixed and Variable Symbol Release Rules. <i>IEEE Transactions on Communications</i> , 1985, 33, 1015-1018.	7.8	3
39	An analysis of IP multimedia subsystems for a hybrid network. , 2010, , .		3
40	ARMA companding scheme with improved symbol error rate for PAPR reduction in OFDM systems. , 2010, , .		3
41	An investigation on the effect of bending of Split Ring Resonators. , 2011, , .		3
42	Social networks meet mobile networks. , 2012, 50, 72-73.		3
43	Sequential good channel search for multi-channel cognitive radio. , 2012, , .		3
44	Optimizing resources utilization in IP Multimedia Subsystem. , 2012, , .		3
45	A token-based routing mechanism for GMPLS-controlled WDM networks. <i>Optical Switching and Networking</i> , 2012, 9, 170-178.	2.0	3
46	A game theory-based distributed power control algorithm for femtocells. , 2014, , .		3
47	Analysis of beam divergence and input bit rate for free space optical communication link. , 2016, , .		3
48	Performance of a Multiprocessor-Based Parallel Stack Algorithm Speech Encoder. <i>IEEE Transactions on Communications</i> , 1987, 35, 463-466.	7.8	2
49	Challenges of Personal Environments Mobility in Heterogeneous Networks. <i>Mobile Networks and Applications</i> , 2003, 8, 7-9.	3.3	2
50	Countering the gain behavior of Erbium Doped Fiber Amplifiers: A cross layer approach. , 2013, , .		2
51	Logical topology optimization of free space optical networks with tracking transceivers. <i>Optical Switching and Networking</i> , 2017, 24, 57-64.	2.0	2
52	Improving the Physical Layer Security of the Internet of Things (IoT). , 2018, , .		2
53	5G System Design Solutions for Wireless Personal Applications. <i>Wireless Personal Communications</i> , 2021, 120, 1923-1928.	2.7	2
54	Real-Time V2V Communication With a Machine Learning-Based System for Detecting Drowsiness of Drivers. <i>International Journal of Interdisciplinary Telecommunications and Networking</i> , 2021, 13, 35-50.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Concurrent multi-layer restoration scheme for GMPLS based WDM networks. , 2008, , .		1
56	A concurrent two-layer restoration scheme for GMPLS WDM networks. Optical Switching and Networking, 2009, 6, 268-275.	2.0	1
57	Adaptive wavelength allocation in GMPLS controlled optical network. , 2010, , .		1
58	An investigation on the effect of bending on UC-PBG structures. , 2011, , .		1
59	Novel Wireless Systems for Telemedicine and Body Area Networks Applications. Communications in Computer and Information Science, 2015, , 52-65.	0.5	1
60	Improving the Physical Layer Security of the Internet of Things (IoT). , 2018, , .		1
61	A Pre-Coding Technique to Mitigate PAPR in MIMO-OFDM Systems. , 2018, , .		1
62	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
63	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
64	<title>Enhanced service zone architecture for multiservices over IP</title>. , 2001, , .		0
65	Wireless integration, design, modeling, and analysis of nanosensors, networks, and systems: a systems engineering approach. Proceedings of SPIE, 2009, , .	0.8	0
66	A systems engineering approach to wireless integration, design, modeling, and analysis of nanosensors, networks, and systems. Proceedings of SPIE, 2010, , .	0.8	0
67	Design and analysis of protocols for QoS and autonomous recovery in GMPLS controlled IP over WDM networks. , 2010, , .		0
68	A multi-path routing scheme for GMPLS-controlled WDM networks. , 2010, , .		0
69	A Cached Registration Scheme for IP Multimedia Subsystem (IMS). Journal of Cyber Security and Mobility, 2014, 3, 317-338.	0.7	0
70	Impact of dynamic priority scheme on IP Multimedia Subsystem. , 2014, , .		0
71	Performance optimization of free space optical mesh networking with auto-orienting transceivers. , 2014, , .		0
72	Social networks meet next generation mobile multimedia internet [Guest Editorial]. , 2015, 53, 124-126.		0

#	ARTICLE	IF	CITATIONS
73	Continuous tracking in Free Space Optical balloon mesh networks. , 2016, , .		0
74	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
75	Strongly Connected Ramanujan Graphs for Highly Symmetric LDPC Codes. Wireless Personal Communications, 2022, 125, 2463-2475.	2.7	0
76	Cyclotomic Construction of Sparse Code Multiple Access with Improved Diversity. International Journal of Interdisciplinary Telecommunications and Networking, 2022, 14, 0-0.	0.3	0