

Farzad Safaei

List of Publications by Year in descending order

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116
papers

1,254
citations

759233

12
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434195

31
g-index

117
all docs

117
docs citations

117
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Survey of VANET Clustering Techniques. IEEE Communications Surveys and Tutorials, 2017, 19, 657-681.	39.4	361
2	Antenna Selection Strategies for MIMO-OFDM Wireless Systems: An Energy Efficiency Perspective. IEEE Transactions on Vehicular Technology, 2016, 65, 2048-2062.	6.3	114
3	Energy efficiency analysis of antenna selection multi-input multi-output automatic repeat request systems over Nakagami-m fading channels. IET Communications, 2015, 9, 1522-1530.	2.2	67
4	Preparation and characterization of hybrid conducting polymer-carbon nanotube yarn. Nanoscale, 2012, 4, 940-945.	5.6	50
5	Managing latency and fairness in networked games. Communications of the ACM, 2006, 49, 46-51.	4.5	38
6	A Real-Time Facial Expression Recognition System for Online Games. International Journal of Computer Games Technology, 2008, 2008, 1-7.	2.5	33
7	Smart Fabrics and Networked Clothing: Recent developments in CNT-based fibers and their continual refinement. IEEE Consumer Electronics Magazine, 2016, 5, 105-111.	2.3	27
8	Electrically Conducting Hydrogel Graphene Nanocomposite Biofibers for Biomedical Applications. Frontiers in Chemistry, 2020, 8, 88.	3.6	26
9	Estimation of Signal Distortion Using Effective Sampling Density for Light Field-Based Free Viewpoint Video. IEEE Transactions on Multimedia, 2015, 17, 1677-1693.	7.2	25
10	Comprehensive Performance Analysis of Fully Cooperative Communication in WBANs. IEEE Access, 2016, 4, 8737-8756.	4.2	22
11	Comparison of delivery architectures for immersive audio in crowded networked games. , 2004, , .		21
12	Provisioning overlay distribution networks. Computer Networks, 2005, 49, 103-118.	5.1	19
13	Joint Transmission Power Control and Relay Cooperation for WBAN Systems. Sensors, 2018, 18, 4283.	3.8	17
14	Low Complexity Interference Aware Distributed Resource Allocation for Multi-Cell OFDMA Cooperative Relay Networks. , 2010, , .		16
15	Objective evaluation of light field rendering methods using effective sampling density. , 2011, , .		16
16	Studying the Impact of the CORNER Propagation Model on VANET Routing in Urban Environments. , 2012, , .		14
17	Energy-Efficiency Analysis of Per-Subcarrier Antenna Selection with Peak-Power Reduction in MIMO-OFDM Wireless Systems. International Journal of Antennas and Propagation, 2014, 2014, 1-13.	1.2	12
18	On the Outage of Multihop Parallel Relay Networks. , 2010, , .		11

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19	A quantitative approach for comparison and evaluation of light field rendering techniques. , 2011, , .		11
20	Performance analysis of STFC MB-OFDM UWB in WBAN channels. , 2012, , .		11
21	Microwave Characterization of Carbon Nanotube Yarns For UWB Medical Wireless Body Area Networks. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3625-3631.	4.6	11
22	Analytic Performance Model for State-Based MAC Layer Cooperative Retransmission Protocols. IEEE Transactions on Mobile Computing, 2016, 15, 32-44.	5.8	11
23	Processing resource scheduling in programmable networks. Computer Communications, 2005, 28, 676-687.	5.1	10
24	Optimal assignment of distributed servers to virtual partitions for the provision of immersive voice communication in massively multiplayer games. Computer Communications, 2006, 29, 1260-1270.	5.1	10
25	Server topology considerations in online games. , 2006, , .		10
26	Boundary node selection algorithms in WSNs. , 2011, , .		10
27	Channel autocorrelation-based dynamic slot scheduling for body area networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	10
28	2D Barcodes as Watermarks in Image Authentication. , 2007, , .		9
29	An approach to achieve scalability through a structured peer-to-peer network for massively multiplayer online role playing games. Computer Communications, 2007, 30, 3075-3084.	5.1	9
30	An efficient opportunistic cooperative diversity protocol for IEEE 802.11 networks. , 2010, , .		9
31	An analytical model of network connectivity in Vehicular Ad Hoc Networks using spatial point processes. , 2014, , .		9
32	Performance Evaluation of Non-GPS Based Localization Techniques under Shadowing Effects. Sensors, 2019, 19, 2633.	3.8	9
33	Four points: one-pass geometrical camera calibration algorithm. Visual Computer, 2020, 36, 413-424.	3.5	9
34	Carrier-scale programmable networks: wholesaler platform and resource optimization. IEEE Journal on Selected Areas in Communications, 2001, 19, 566-573.	14.0	8
35	A Tuned Fuzzy Logic Relocation Model in WSNs Using Particle Swarm Optimization. , 2013, , .		8
36	A method for calculating the minimum number of cameras in a light field based free viewpoint video system. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
37	Experimental validation of the CORNER urban propagation model based on signal power measurements in a vehicular environment. , 2013, , .		7
38	Minimisation of video downstream bit rate for large scale immersive video conferencing by utilising the perceptual variations of quality. , 2014, , .		7
39	Power generation analysis of PowerWindow, a linear wind generator, using computational fluid dynamic simulations. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 147, 226-238.	3.9	7
40	A Novel Cooperation-Based Network Coding Scheme for Walking Scenarios in WBANs. Wireless Communications and Mobile Computing, 2017, 2017, 1-20.	1.2	7
41	Outage Probability and Throughput Analyses in Full-Duplex Relaying Systems With Energy Transfer. IEEE Access, 2020, 8, 150150-150161.	4.2	7
42	Feature based Stereo Correspondence using Moment Invariant. , 2008, , .		6
43	Effect of conducting polypyrrole on the transport properties of carbon nanotube yarn. Thin Solid Films, 2012, 520, 7049-7053.	1.8	6
44	An experimental study of OFDM in software defined radio systems using GNU platform and USRP2 devices. , 2014, , .		6
45	Building integration of statorâ€augmented PowerWindow, a linear cascade wind turbine. Energy Science and Engineering, 2019, 7, 581-598.	4.0	6
46	A distributed proxy system for provisioning immersive audio communication to massively multi-player games. , 2004, , .		5
47	Outage probability of multihop relay networks. , 2013, , .		5
48	Large-scale immersive video conferencing by altering video quality and distribution based on the virtual context. , 2014, 52, 66-72.		5
49	Optimization of Camera Arrangement Using Correspondence Field to Improve Depth Estimation. IEEE Transactions on Image Processing, 2017, 26, 3038-3050.	9.8	5
50	Characterising the Interactions Between Unicast and Broadcast in IEEE 802.11 Ad Hoc Networks. , 2008, , .		4
51	On the Symbol Error Probability of Multihop Parallel Relay Networks. IEEE Communications Letters, 2011, 15, 719-721.	4.1	4
52	On the Error Exponent of Amplify and Forward Relay Networks. IEEE Communications Letters, 2011, 15, 1047-1049.	4.1	4
53	Order-4 Orthogonal Cooperative Communication in Space-Time-Frequency Coded MB-OFDM UWB. , 2012, , .		4
54	Distributed Area of Interest Management for Large-Scale Immersive Video Conferencing. , 2012, , .		4

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55	A fuzzy logic node relocation model in WSNs. , 2012, , .		4
56	Transmit antenna subset selection for high-rate MIMO-OFDM systems in the presence of nonlinear power amplifiers. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	4
57	Utility-based resource allocation for interference limited OFDMA cooperative relay networks. Physical Communication, 2016, 20, 74-84.	2.1	4
58	Perceptual Pruning: A Context-Aware Transcoder for Immersive Video Conferencing Systems. IEEE Transactions on Multimedia, 2017, 19, 1327-1338.	7.2	4
59	A Study of User Perception of the Quality of Video Content Rendered Inside a 3-D Virtual Environment. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 125-137.	10.8	4
60	Non-uniform sampling of plenoptic signal based on the scene complexity variations for a free viewpoint video system. , 2013, , .		3
61	Simulation of Contrasting Clustering Paradigms under an Experimentally-Derived Channel Model. , 2014, , .		3
62	Adaptive antenna selection for energy-efficient MIMO-OFDM wireless systems. , 2014, , .		3
63	Maximising energy efficiency in antenna selection MIMO wireless systems subject to QoS constraints. Electronics Letters, 2015, 51, 1290-1292.	1.0	3
64	Adaptive space-time-frequency-coded UWB system for wireless body area network. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	3
65	Performance Evaluation of Full-Duplex Energy Harvesting Relaying Networks Using PDC Self-Interference Cancellation. , 2018, , .		3
66	Full-Duplex OFDM Relaying Systems with Energy Harvesting in Multipath Fading Channels. , 2019, , .		3
67	Step Length Measurements Using the Received Signal Strength Indicator. Sensors, 2021, 21, 382.	3.8	3
68	Multipoint Interactive Communication for Peer to Peer Environments. , 2006, , .		2
69	Mobility Management for Untethered Immersive Communications. , 2006, , .		2
70	Enhancing the multicast performance of structured P2P overlay in supporting Massively Multiplayer Online Games. Networks, 2008 ICON 2008 16th IEEE International Conference on, 2007, , .	0.0	2
71	Supporting a seamless map in peer-to-peer system for Massively Multiplayer Online Role Playing Games. , 2008, , .		2
72	OLSR-R<sup>3</sup>: Optimised link state routing with reactive route recovery. , 2009, , .		2

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73	Performance evaluation of cooperative communications for STFC MB-OFDM UWB. , 2013, , .		2
74	SEP of Multihop Relay Networks in Nakagami-m Fading Channels. , 2013, , .		2
75	Joint analog network coding and channel allocation in the walking scenario for WBAN. , 2016, , .		2
76	Emotional states control for on-line game avatars. , 2007, , .		2
77	An immersive voice over IP service to wireless gaming. , 2007, , .		2
78	Step Length Estimation Using the RSSI Method in Walking and Jogging Scenarios. Sensors, 2022, 22, 1640.	3.8	2
79	Managing virtual and physical mobility for mobile immersive voice communications. , 2005, , .		1
80	Rendering Models for Immersive Voice Communications within Distributed Virtual Environment. , 2005, , .		1
81	MMC04-6: Scalable Delivery of Immersive Communication Environment (ICE) using Peer-to-Peer (P2P) Architecture. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
82	Trading off computation for error in providing immersive voice communications for mobile gaming. , 2006, , .		1
83	MMC03-2: Overlay Multicasting of Real-Time Streams in Virtual Environments. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
84	Churn performance study of structured peer-to-peer overlay in supporting massively multiplayer online role playing games (MMORPGs). , 2011, , .		1
85	Media rate control for large scale immersive communications. , 2011, , .		1
86	Order-4 Quasi-Orthogonal Cooperative Communication in STFC MB-OFDM UWB. , 2012, , .		1
87	Very high data rate MB-OFDM UWB systems with transmit diversity techniques. , 2012, , .		1
88	A simple adaptive STFC MB-OFDM UWB system for WBAN applications. , 2013, , .		1
89	A general performance model for MAC layer cooperative retransmission contention protocols. , 2013, , .		1
90	Optimal Design for Energy-Efficient Per-Subcarrier Antenna Selection MIMO-OFDM Wireless Systems. Wireless Personal Communications, 2015, 84, 3001-3014.	2.7	1

#	ARTICLE	IF	CITATIONS
91	Optimization of the number of rays in interpolation for light field based free viewpoint systems. , 2015, , .		1
92	Exact error performance analysis of binary space-time block coded cooperative communications systems in Rayleigh fading channels. , 2015, , .		1
93	overflow= scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	2.1	1
94	Motion segmentation with hand held cameras using structure from motion. , 2017, , .		1
95	Cooperative recovery of coverage holes in WSNs via disjoint spanning trees. , 2017, , .		1
96	Measurement-Based Characterizations of On-Body Channel in the Human Walking Scenario. , 2017, , .		1
97	Effect of the number of participating nodes on recovery of WSN coverage holes. , 2017, , .		1
98	Leveraging the Propagation Model to Make Greedy Routing Decisions in Urban Environments. , 2017, , .		1
99	Autocorrelation Based Transmission Power Control in WBANs. , 2018, , .		1
100	Advances in Wearable Sensors: Signalling the Provenance of Garments Using Radio Frequency Watermarks. Sensors, 2020, 20, 6661.	3.8	1
101	Throughput Analysis of In-Band Full-Duplex Transmission Networks With Wireless Energy Harvesting Enabled Sources. IEEE Access, 2021, 9, 74989-75002.	4.2	1
102	Planning of Transport Networks based on Photonic and Electronic Cross-Connection. Photonic Network Communications, 2000, 2, 199-208.	2.7	0
103	Solution of a certain class of network flow problems with cascaded demand aggregation and capacity allocation. Optimization Methods and Software, 2006, 21, 583-595.	2.4	0
104	System Architecture and Mobility Management for Mobile Immersive Communications. Advances in Multimedia, 2007, 2007, 1-7.	0.4	0
105	End-to-End path stability of reactive routing protocols in IEEE 802.11 ad hoc networks. , 2009, , .		0
106	Performance comparison of Hierarchical coding and multiple description coding over lossy networks. , 2011, , .		0
107	On the impact of RD link in resource allocation for multi-cell OFDMA cooperative relay networks with partial CSI. , 2012, , .		0
108	Transport Commons: A Community Based Public Transport System. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Space-Time-Frequency Trellis Coding for Multiband OFDM Ultra Wideband Wireless Systems. , 2012, , .		0
110	Double space-time transmit diversity for very high data rate MB-OFDM UWB systems. , 2012, , .		0
111	Transmit antenna subset selection with power balancing for high data rate MIMO-OFDM UWB systems. , 2013, , .		0
112	Combined adaptive lattice reduction-aided detection and antenna shuffling for DSTTD-OFDM systems. , 2013, , .		0
113	Error Exponent of Amplify and Forward Relay Networks in Presence of I.I.D. Interferers. , 2014, , .		0
114	High-speed adaptive wireless body area networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	0
115	Quality Assessment, Evaluation, and Optimization of Free Viewpoint Video Systems by Using Effective Sampling Density. , 2017, , 9-55.		0
116	Wireless Information and Power Transfer Using Full-Duplex Self-Energy Recycling Relays. IEEE Access, 2021, 9, 158808-158819.	4.2	0