

Milica Stojanovic

List of Publications by Year in descending order

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57
papers

2,778
citations

394421

19
h-index

477307

29
g-index

57
all docs

57
docs citations

57
times ranked

1887
citing authors

#	ARTICLE	IF	CITATIONS
1	Underwater sensor networks: applications, advances and challenges. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 158-175.	3.4	630
2	Statistical Characterization and Computationally Efficient Modeling of a Class of Underwater Acoustic Communication Channels. IEEE Journal of Oceanic Engineering, 2013, 38, 701-717.	3.8	441
3	MIMO-OFDM for High-Rate Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2009, 34, 634-644.	3.8	301
4	Adaptive OFDM Modulation for Underwater Acoustic Communications: Design Considerations and Experimental Results. IEEE Journal of Oceanic Engineering, 2014, 39, 357-370.	3.8	176
5	Random Access Compressed Sensing for Energy-Efficient Underwater Sensor Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1660-1670.	14.0	133
6	Differentially Coherent Multichannel Detection of Acoustic OFDM Signals. IEEE Journal of Oceanic Engineering, 2015, 40, 251-268.	3.8	125
7	Multiple-Resampling Receiver Design for OFDM Over Doppler-Distorted Underwater Acoustic Channels. IEEE Journal of Oceanic Engineering, 2013, 38, 333-346.	3.8	85
8	On Joint Frequency and Power Allocation in a Cross-Layer Protocol for Underwater Acoustic Networks. IEEE Journal of Oceanic Engineering, 2010, 35, 936-947.	3.8	82
9	Design and Performance Analysis of Underwater Acoustic Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 2012-2021.	14.0	78
10	Optimized Packet Size Selection in Underwater Wireless Sensor Network Communications. IEEE Journal of Oceanic Engineering, 2012, 37, 321-337.	3.8	57
11	On Coding for Delay-Insensitive Network Coding for Time-Division Duplexing. IEEE Transactions on Information Theory, 2012, 58, 2330-2348.	2.4	57
12	Capacity of OFDM Systems Over Fading Underwater Acoustic Channels. IEEE Journal of Oceanic Engineering, 2011, 36, 514-524.	3.8	48
13	Random Access Compressed Sensing over Fading and Noisy Communication Channels. IEEE Transactions on Wireless Communications, 2013, 12, 2114-2125.	9.2	42
14	Efficient Channel-Estimation-Based Multiuser Detection for Underwater CDMA Systems. IEEE Journal of Oceanic Engineering, 2008, 33, 502-512.	3.8	39
15	Comprehensive Survey of Galvanic Coupling and Alternative Intra-Body Communication Technologies. IEEE Communications Surveys and Tutorials, 2019, 21, 1145-1164.	39.4	39
16	Modeling the large scale transmission loss in underwater acoustic channels. , 2011, , .		32
17	Guest Editorial - Underwater Wireless Communication Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1617-1619.	14.0	25
18	Adaptive power control for underwater acoustic communications. , 2011, , .		25

#	ARTICLE	IF	CITATIONS
19	Collision Tolerant and Collision Free Packet Scheduling for Underwater Acoustic Localization. IEEE Transactions on Wireless Communications, 2015, 14, 2584-2595.	9.2	25
20	Low Complexity Residual Doppler Shift Estimation for Underwater Acoustic Multicarrier Communication. IEEE Transactions on Signal Processing, 2017, 65, 2063-2076.	5.3	24
21	The SEANet Project: Toward a Programmable Internet of Underwater Things. , 2018, , .		24
22	Channel prediction for adaptive modulation in underwater acoustic communications. , 2011, , .		23
23	Communication protocols for underwater data collection using a robotic sensor network. , 2011, , .		20
24	CAPTURE: A Communications Architecture for Progressive Transmission via Underwater Relays With Eavesdropping. IEEE Journal of Oceanic Engineering, 2014, 39, 120-130.	3.8	20
25	Joint Power and Rate Control for Packet Coding Over Fading Channels. IEEE Journal of Oceanic Engineering, 2017, 42, 697-710.	3.8	16
26	On the Effects of Frequency Scaling Over Capacity Scaling in Underwater Networksâ€”Part II: Dense Network Model. Wireless Personal Communications, 2013, 71, 1701-1719.	2.7	15
27	Performance of antenna diversity multiuser receivers in CDMA channels with imperfect fading estimation. Wireless Personal Communications, 1996, 3, 91-110.	2.7	14
28	Adaptive Channel Estimation for Underwater Acoustic MIMO OFDM Systems. , 2009, , .		14
29	Capacity of MIMO systems in shallow water acoustic channels. , 2010, , .		12
30	On the effects of node density and duty cycle on energy efficiency in underwater networks. , 2010, , .		12
31	OFDMA for underwater acoustic communications. , 2011, , .		11
32	Information-Theoretic Analysis of Underwater Acoustic OFDM Systems in Highly Dispersive Channels. Journal of Electrical and Computer Engineering, 2012, 2012, 1-15.	0.9	11
33	Performance analysis of filtered multitone modulation systems for underwater communication. , 2009, , .		10
34	Energy optimization with delay constraints in Underwater Acoustic Networks. , 2013, , .		10
35	Delay-Constrained Energy Optimization in High-Latency Sensor Networks. IEEE Sensors Journal, 2017, 17, 4287-4298.	4.7	10
36	Adaptive OFDM for underwater acoustic channels with limited feedback. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
37	Selective decision directed channel estimation for UWA OFDM systems. , 2011, , .		8
38	Random linear packet coding for high speed acoustic communication: An experimental analysis. , 2012, , .		8
39	A node discovery protocol for ad hoc underwater acoustic networks. <i>Wireless Communications and Mobile Computing</i> , 2013, 13, 277-295.	1.2	8
40	Performance analysis of underwater acoustic random access networks. , 2012, , .		7
41	On the Effects of Frequency Scaling Over Capacity Scaling in Underwater Networksâ€”Part I: Extended Network Model. <i>Wireless Personal Communications</i> , 2013, 71, 1683-1700.	2.7	6
42	Estimation and tracking of time-varying channels in OFDM systems. , 2014, , .		6
43	Experimental assessment of human-body-like tissue as a communication channel for galvanic coupling. , 2015, , .		6
44	Testbed-based performance evaluation of handshake-free MAC protocols for underwater acoustic sensor networks. , 2016, , .		6
45	Differential orthogonal frequency division multiplexing communication in water pipeline channels. <i>Journal of the Acoustical Society of America</i> , 2020, 148, EL130-EL134.	1.1	6
46	Clustered multihop transmission in underwater acoustic ad-hoc networks. , 2010, , .		4
47	A node discovery protocol for ad hoc underwater acoustic networks. , 2011, , .		4
48	Grouped Packet Coding: A Method for Reliable Communication Over Fading Channels With Long Delays. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 1253-1263.	3.8	4
49	Performance of Underwater Ad-Hoc Networks. , 2010, , .		3
50	Selective decision directed channel estimation for OFDM communications over multipath Rician fading channels. , 2012, , .		3
51	Packet scheduling for underwater acoustic sensor network localization. , 2014, , .		2
52	Communication theoretic analysis of underwater ad-hoc networks in the presence of interference. , 2010, , .		1
53	Clustered underwater ad-hoc networks in the presence of interference. , 2010, , .		1
54	Hierarchical underwater acoustic sensor networks with (virtual) transmit/receive arrays. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014, 25, 530-538.	3.9	1

#	ARTICLE	IF	CITATIONS
55	Hierarchical underwater acoustic sensor networks with (virtual) transmit/receive arrays. , 2011, , .		0
56	Random linear packet coding: Joint power and rate control. , 2014, , .		0
57	Delay-Tolerant Distributed Inference in Tracking Networks. Sensors, 2021, 21, 5747.	3.8	0