Ahmet Ozan Bicen

List of Publications by Year
in descending order

27 papers	1,245 citations	623734 14 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	1436 citing authors

#	ARTICLE	IF	CITATIONS
1	Variable-Bandwidth Model and Capacity Analysis for Aerial Communications in the Terahertz Band. IEEE Journal on Selected Areas in Communications, 2021, 39, 1768-1784.	14.0	15
2	Statistical Modeling and Bit Error Rate Analysis for Bio-Sensor Receivers in Molecular Communication. IEEE Sensors Journal, 2020, 20, 261-268.	4.7	3
3	Template-Based Statistical Modeling and Synthesis for Noise Analysis of Ballistocardiogram Signals: A Cycle-Averaged Approach. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1516-1525.	6.3	7
4	Spectrum-Aware and Energy-Adaptive Reliable Transport for Internet of Sensing Things. IEEE Transactions on Vehicular Technology, 2018, 67, 2359-2366.	6.3	9
5	Shannon Meets Fick on the Microfluidic Channel: Diffusion Limit to Sum Broadcast Capacity for Molecular Communication. IEEE Transactions on Nanobioscience, 2018, 17, 88-94.	3.3	11
6	A signal quality index for ballistocardiogram recordings based on electrocardiogram RR intervals and matched filtering. , 2018, , .		3
7	Novel Wearable Seismocardiography and Machine Learning Algorithms Can Assess Clinical Status of Heart Failure Patients. Circulation: Heart Failure, 2018, 11, e004313.	3.9	136
8	Toward Non-Invasive and Automatic Intravenous Infiltration Detection: Evaluation of Bioimpedance and Skin Strain in a Pig Model. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-7.	3.7	11
9	nanoNS3: A network simulator for bacterial nanonetworks based on molecular communication. Nano Communication Networks, 2017, 12, 1-11.	2.9	13
10	Improved Pre-Ejection Period Estimation From Ballistocardiogram and Electrocardiogram Signals by Fusing Multiple Timing Interval Features. IEEE Sensors Journal, 2017, 17, 4172-4180.	4.7	6
11	nanoNS3. , 2016, , .		12
12	Linear Channel Modeling and Error Analysis for Intra/Inter-Cellular Ca^{2+} Molecular Communication. IEEE Transactions on Nanobioscience, 2016, 15, 488-498.	3.3	25
13	Statistical Analysis of Interference for Nanoscale Electromechanical Wireless Communication at VHF-Band. IEEE Transactions on Signal Processing, 2016, 64, 2040-2050.	5.3	0
14	Opportunistic reliability for cognitive radio sensor actor networks in smart grid. Ad Hoc Networks, 2016, 41, 5-14.	5.5	54
15	Multi-Wideband Waveform Design for Distance-adaptive Wireless Communications in the Terahertz Band. IEEE Transactions on Signal Processing, 2015, , 1-1.	5.3	85
16	Multi-Ray Channel Modeling and Wideband Characterization for Wireless Communications in the Terahertz Band. IEEE Transactions on Wireless Communications, 2015, 14, 2402-2412.	9.2	326
17	Genetically Engineered Bacteria-Based BioTransceivers for Molecular Communication. IEEE Transactions on Communications, 2015, 63, 1271-1281.	7.8	62
18	On the Nanoscale Electromechanical Wireless Communication in the VHF Band. IEEE Transactions on Communications, 2015, 63, 311-323.	7.8	8

#	Article	IF	Citations
19	Efficient Sampling of Bacterial Signal Transduction for Detection of Pulse-Amplitude Modulated Molecular Signals. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 505-517.	4.0	27
20	Interference Modeling and Capacity Analysis for Microfluidic Molecular Communication Channels. IEEE Nanotechnology Magazine, 2015, 14, 570-579.	2.0	15
21	Dedicated Radio Utilization for Spectrum Handoff and Efficiency in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5251-5259.	9.2	22
22	End-to-End Propagation Noise and Memory Analysis for Molecular Communication over Microfluidic Channels. IEEE Transactions on Communications, 2014, 62, 2432-2443.	7.8	28
23	System-Theoretic Analysis and Least-Squares Design of Microfluidic Channels for Flow-Induced Molecular Communication. IEEE Transactions on Signal Processing, 2013, 61, 5000-5013.	5.3	159
24	Spectrum-aware and cognitive sensor networks for smart grid applications. , 2012, 50, 158-165.		58
25	Delay-sensitive and multimedia communication in cognitive radio sensor networks. Ad Hoc Networks, 2012, 10, 816-830.	5.5	66
26	Spectrum-Aware Underwater Networks: Cognitive Acoustic Communications. IEEE Vehicular Technology Magazine, 2012, 7, 34-40.	3.4	39
27	Reliability and congestion control in cognitive radio sensor networks. Ad Hoc Networks, 2011, 9, 1154-1164.	5.5	45