Hongzhi Guo

List of Publications by Year
in descending order

28	396	1163117 8	1199594 12
papers	citations	h-index	g-index

28	28	28	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Channel and Energy Modeling for Self-Contained Wireless Sensor Networks in Oil Reservoirs. IEEE Transactions on Wireless Communications, 2014, 13, 2258-2269.	9.2	51
2	<inline-formula><tex-math notation="LaTeX">$ext{M}^2ext{I}$</tex-math></inline-formula>: Channel Modeling for Metamaterial-Enhanced Magnetic Induction Communications. IEEE Transactions on Antennas and Propagation, 2015, 63, 5072-5087.	5.1	50
3	Intra-Body Optical Channel Modeling for In Vivo Wireless Nanosensor Networks. IEEE Transactions on Nanobioscience, 2016, 15, 41-52.	3.3	47
4	Practical Design and Implementation of Metamaterial-Enhanced Magnetic Induction Communication. IEEE Access, 2017, 5, 17213-17229.	4.2	45
5	Multiple Frequency Band Channel Modeling and Analysis for Magnetic Induction Communication in Practical Underwater Environments. IEEE Transactions on Vehicular Technology, 2017, 66, 6619-6632.	6.3	44
6	Channel Modeling of MI Underwater Communication Using Tri-Directional Coil Antenna. , 2015, , .		32
7	Joint Design of Communication, Wireless Energy Transfer, and Control for Swarm Autonomous Underwater Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 1821-1835.	6.3	18
8	Increasing the Capacity of Magnetic Induction Communication Using MIMO Coil-Array. , 2016, , .		16
9	M2I communication: From theoretical modeling to practical design. , 2016, , .		12
10	Reliable Through-Metal Wireless Communication Using Magnetic Induction. IEEE Access, 2019, 7, 115428-115439.	4.2	12
11	Full-Duplex Metamaterial-Enabled Magnetic Induction Networks in Extreme Environments. , 2018, , .		10
12	Reinforcement Learning-Enabled Reliable Wireless Sensor Networks in Dynamic Underground Environments. , 2019, , .		8
13	PERFORMANCE ANALYSIS OF NEAR-FIELD MAGNETIC INDUCTION COMMUNICATION IN EXTREME ENVIRONMENTS. Progress in Electromagnetics Research Letters, 2020, 90, 77-83.	0.7	8
14	Cooperative Raman Spectroscopy for Real-Time <italic>In Vivo</italic> Nano-Biosensing. IEEE Transactions on Nanobioscience, 2017, 16, 571-584.	3.3	7
15	The Internet of Things in Extreme Environments Using Low-Power Long-Range Near Field Communication. IEEE Internet of Things Magazine, 2021, 4, 34-38.	2.6	7
16	Communication for Underwater Sensor Networks: A Comprehensive Summary. ACM Transactions on Sensor Networks, 2023, 19, 1-44.	3.6	7
17	On Reliability of Underwater Magnetic Induction Communications with Tri-Axis Coils. , 2019, , .		4
18	Channel Modeling of MI Underwater Communication Using Tri-Directional Coil Antenna. , 2014, , .		3

#	Article	IF	Citations
19	Through-Metal Wireless Communications with Magnetic Induction. , 2018, , .		3
20	Joint Channel and Antenna Modeling for Magnetic Induction Communication in Inhomogeneous Media. IEEE Open Journal of the Communications Society, 2020, 1, 1457-1469.	6.9	3
21	A Design of Wireless Communication and Wireless Energy Transfer System for In-Pipe Robots. , 2021, , .		3
22	Distributed Trajectory Design for Underwater Multi-Robot Relay Networks. , 2022, , .		3
23	A cooperative Raman spectrum reconstruction platform for real-time in-vivo nano-biosensing. , 2017, , .		1
24	Inter-Media Backscatter Communications with Magnetic Induction. , 2019, , .		1
25	MagBB: Wireless Charging for Batteryless Sensors Using Magnetic Blind Beamforming. , 2021, , .		1
26	BER Analysis and Optimization of Direct Antenna Modulation for Magnetic Induction Communication. , 2021, , .		0
27	Simulations of radiation effects of mobile cell phone on humans. , 2020, , .		0
28	Magnetic Blind Beamforming for Battery-Free Wireless Sensor Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 1819-1832.	5.5	0