

# Steven Kisseleff

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

988  
citations

687363

13  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite Communications in the New Space Era: A Survey and Future Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 70-109.	39.4	447
2	Increasing the Capacity of Magnetic Induction Communications in RF-Challenged Environments. IEEE Transactions on Communications, 2013, 61, 3943-3952.	7.8	68
3	Survey on Advances in Magnetic Induction-Based Wireless Underground Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 4843-4856.	8.7	64
4	Throughput of the Magnetic Induction Based Wireless Underground Sensor Networks: Key Optimization Techniques. IEEE Transactions on Communications, 2014, 62, 4426-4439.	7.8	60
5	Flexible Resource Optimization for GEO Multibeam Satellite Communication System. IEEE Transactions on Wireless Communications, 2021, 20, 7888-7902.	9.2	53
6	Reconfigurable Intelligent Surfaces for Smart Cities: Research Challenges and Opportunities. IEEE Open Journal of the Communications Society, 2020, 1, 1781-1797.	6.9	52
7	Digital Signal Transmission in Magnetic Induction Based Wireless Underground Sensor Networks. IEEE Transactions on Communications, 2015, 63, 2300-2311.	7.8	36
8	Radio Resource Management Techniques for Multibeam Satellite Systems. IEEE Communications Letters, 2021, 25, 2448-2452.	4.1	36
9	Magnetic Induction-Based Simultaneous Wireless Information and Power Transfer for Single Information and Multiple Power Receivers. IEEE Transactions on Communications, 2017, 65, 1396-1410.	7.8	34
10	Reconfigurable Intelligent Surfaces in Challenging Environments: Underwater, Underground, Industrial and Disaster. IEEE Access, 2021, 9, 150214-150233.	4.2	24
11	Efficient Charging of Access Limited Wireless Underground Sensor Networks. IEEE Transactions on Communications, 2016, 64, 2130-2142.	7.8	23
12	Demand-Based Adaptive Multi-Beam Pattern and Footprint Planning for High Throughput GEO Satellite Systems. IEEE Open Journal of the Communications Society, 2021, 2, 1526-1540.	6.9	15
13	Carrier and Power Assignment for Flexible Broadband GEO Satellite Communications System. , 2020, , .		14
14	Magnetic Nanoparticle Based Interface for Molecular Communication Systems. IEEE Communications Letters, 2017, 21, 258-261.	4.1	13
15	Efficient Preamble Detection and Time-of-Arrival Estimation for Single-Tone Frequency Hopping Random Access in NB-IoT. IEEE Internet of Things Journal, 2021, 8, 7437-7449.	8.7	12
16	Centralized Gateway Concept for Precoded Multi-beam GEO Satellite Networks. , 2021, , .		11
17	Impact of Phase-Noise and Spatial Correlation on Double-RIS-Assisted Multiuser MISO Networks. IEEE Wireless Communications Letters, 2022, 11, 1473-1477.	5.0	5
18	Limits of Smart Radio Resource Assignment in GEO Satellite Communications. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
19	Demand and Interference Aware Adaptive Resource Management for High Throughput GEO Satellite Systems. IEEE Open Journal of the Communications Society, 2022, 3, 759-775.	6.9	3
20	Efficient Detectors for Telegram Splitting-Based Transmission in Low Power Wide Area Networks With Bursty Interference. IEEE Transactions on Communications, 2020, 68, 7687-7701.	7.8	2
21	Random Access-Based Reliable Uplink Communication and Power Transfer Using Dynamic Power Splitting. IEEE Transactions on Wireless Communications, 2020, 19, 4307-4320.	9.2	2
22	Symbol-Level Precoding With Constellation Rotation in the Finite Block Length Regime. IEEE Communications Letters, 2021, 25, 2314-2318.	4.1	2
23	Precoding-Aided Bandwidth Optimization for High Throughput Satellite Systems. , 2021, , .		2
24	Maximizing the Number of Served Users in a Smart City using Reconfigurable Intelligent Surfaces. , 2022, , .		2
25	A Low-complexity Resource Optimization Technique for High Throughput Satellite. , 2021, , .		1
26	Optimal Detection of Multiple Symbol-Slotted Random Access-Based Packet Transmissions. IEEE Wireless Communications Letters, 2021, 10, 981-985.	5.0	0