Pantelis Daniel M Arapoglou

List of Publications by Year
in descending order

59 papers	1,551 citations	430874 18 h-index	395702 33 g-index
61 all docs	61 docs citations	61 times ranked	951 citing authors

#	Article	IF	Citations
1	Assessment of Practical Smart Gateway Diversity Based on Multisite Measurements in Q-/V-Band. IEEE Transactions on Antennas and Propagation, 2021, 69, 3427-3435.	5.1	1
2	Q-Band LEO Earth Observation Data Downlink: Radiowave Propagation and System Performance. IEEE Access, 2021, , 1-1.	4.2	1
3	Optimizing the Ground Network of Optical MEO Satellite Communication Systems. IEEE Systems Journal, 2020, 14, 3968-3976.	4.6	14
4	Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning. , 2020, , .		1
5	Channel Interleaver Dimensioning for Optical LEO Direct-to-Earth Systems. , 2020, , .		4
6	Direct Access to 5G New Radio User Equipment from NGSO Satellites in Millimeter Waves. , 2020, , .		6
7	Total Degradation of a DVB-S2 Satellite System with Analog Transparent Optical Feeder Link. , 2019, , .		5
8	Deep-Space Optical Communication Link Engineering: Sensitivity Analysis. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 8-19.	1.3	6
9	Optical feeder link architectures for very HTS: issues and possibilities. , 2019, , .		4
10	Optical feeder link architectures for very HTS: ground segment. , 2019, , .		2
11	Precoding, Scheduling, and Link Adaptation in Mobile Interactive Multibeam Satellite Systems. IEEE Journal on Selected Areas in Communications, 2018, 36, 971-980.	14.0	49
12	Random access schemes for satellite networks, from VSAT to M2M: a survey. International Journal of Satellite Communications and Networking, 2018, 36, 66-107.	1.8	55
13	Joint Beam Hopping and Precoding in HTS Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 43-51.	0.3	6
14	European deep-space optical communications program. , 2018, , .		3
15	Capacity Statistics Evaluation for Next Generation Broadband MEO Satellite Systems. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2344-2358.	4.7	32
16	Enhancing the Physical Layer of Contention Resolution Diversity Slotted ALOHA. IEEE Transactions on Communications, 2017, , 1-1.	7.8	46
17	Flexible precoding for mobile satellite system hot spots. , 2017, , .		9
18	Next-Generation MIMO Satellite Systems From Channel Modeling to System Performance Evaluation. , 2017, , 1-32.		0

#	Article	IF	Citations
19	Benchmarking the future of RF in space missions: From low earth orbit to deep space. , 2017, , .		2
20	Deep-space Optical Communication System (DOCS) for ESA's Space Weather mission to Lagrange orbit L5. , 2017, , .		16
21	Bandwidth-constrained digital pre-compensation technique for multi-carrier satellite communications. International Journal of Satellite Communications and Networking, 2016, 34, 171-194.	1.8	17
22	DVBâ€S2Xâ€enabled precoding for high throughput satellite systems. International Journal of Satellite Communications and Networking, 2016, 34, 439-455.	1.8	56
23	Precoding in Multibeam Satellite Communications: Present and Future Challenges. IEEE Wireless Communications, 2016, 23, 88-95.	9.0	192
24	Physical layer solutions for optical communications in space. , 2016, , .		0
25	DVB-S2X system performance results for broadcast and unicast broadband networks. International Journal of Satellite Communications and Networking, 2016, 34, 387-412.	1.8	2
26	MIMO for Mobile Satellite Digital Broadcasting: From Theory to Practice. IEEE Transactions on Vehicular Technology, 2016, 65, 4839-4853.	6.3	17
27	MIMO over satellite. , 2015, , 245-274.		1
28	Precoding design and user selection for multibeam satellite channels. , 2015, , .		20
29	Multiple Gateway Transmit Diversity in Q/V Band Feeder Links. IEEE Transactions on Communications, 2015, 63, 916-926.	7.8	55
30	Power Allocation in Multibeam Satellite Systems: A Two-Stage Multi-Objective Optimization. IEEE Transactions on Wireless Communications, 2015, 14, 3171-3182.	9.2	110
31	Multibeam joint precoding. , 2015, , 83-118.		6
32	Link Adaptation Strategies for Next Generation Satellite Video Broadcasting: A System Approach. IEEE Transactions on Broadcasting, 2015, 61, 603-614.	3.2	18
33	Statistical Characterization of Adjacent Satellite Interference for Earth Stations on Mobile Platforms Operating at Ku and Ka Bands. IEEE Wireless Communications Letters, 2015, 4, 82-85.	5.0	14
34	Technology Trends for Ka-Band Broadcasting Satellite Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 147-159.	0.3	6
35	Rain attenuation time series generator for medium Earth orbit links operating at Ka band and above. , 2014, , .		3
36	Applicability of MIMO to satellite communications. International Journal of Satellite Communications and Networking, 2014, 32, 343-357.	1.8	25

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37	Linear Precoding in Multibeam SatComs: Practical Constraints. , 2013, , .		26
38	Gateway Switching in Q/V Band Satellite Feeder Links. IEEE Communications Letters, 2013, 17, 1384-1387.	4.1	38
39	Performance Evolution of Payload Data Telemetry for Earth Observation LEO Satellites. , 2013, , .		0
40	Timing and Frequency Synchronisation for Multiuser Detection on the Return Link of Interactive Mobile Satellite Networks. , 2013, , .		1
41	Large scale transmit diversity in Q/V band feeder link with multiple gateways. , 2013, , .		16
42	MIMO Extension to DVB-SH. , 2012, , .		0
43	Space-Frequency Coding for Dual Polarized Hybrid Mobile Satellite Systems. IEEE Transactions on Wireless Communications, 2012, , 1-9.	9.2	15
44	Physical Layer Security in Multibeam Satellite Systems. IEEE Transactions on Wireless Communications, 2012, 11, 852-863.	9.2	146
45	Rain attenuation time series synthesizer for LEO satellite systems operating at Ka band. , 2012, , .		5
46	Practical MIMO aspects in dual polarization per beam mobile satellite broadcasting. International Journal of Satellite Communications and Networking, 2012, 30, 76-87.	1.8	6
47	Railway satellite channel at Ku band and above: Composite dynamic modeling for the design of fade mitigation techniques. International Journal of Satellite Communications and Networking, 2012, 30, 1-17.	1.8	15
48	Link adaptation for Ka band low Earth orbit Earth Observation systems: A realistic performance assessment. International Journal of Satellite Communications and Networking, 2012, 30, 131-146.	1.8	24
49	Golden Codes for Dual Polarized MIMO-OFDM Transmissions in Hybrid Satellite/Terrestrial Mobile Systems. , 2011, , .		0
50	MIMO over Satellite: A Review. IEEE Communications Surveys and Tutorials, 2011, 13, 27-51.	39.4	263
51	To MIMO or Not To MIMO in Mobile Satellite Broadcasting Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2807-2811.	9.2	56
52	The Land Mobile Earth-Space Channel. IEEE Vehicular Technology Magazine, 2011, 6, 44-53.	3.4	36
53	Dual polarization MIMO in LMS broadcasting systems: Possible benefits and challenges. International Journal of Satellite Communications and Networking, 2011, 29, 349-366.	1.8	21
54	Controlling Intercell Interference in CDMA-based Fixed Wireless Networks Through Multirate Techniques. Wireless Personal Communications, 2010, 54, 729-744.	2.7	0

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55	Cooperative Deep Space Communications at Ka Band: Outage Performance Analysis. , 2010, , .		1
56	Adaptive Routing Strategies in IEEE 802.16 Multi-Hop Wireless Backhaul Networks Based On Evolutionary Game Theory. IEEE Journal on Selected Areas in Communications, 2008, 26, 1218-1225.	14.0	34
57	Satellite downlink power control interference effects in WiMax networks. , 2007, , .		3
58	Intercell Radio Interference Studies in Broadband Wireless Access Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3-12.	6.3	31
59	Coexistence of the Broadcasting Satellite Service With Fixed Service Systems in Frequency Bands Above 10 GHz. IEEE Transactions on Broadcasting, 2006, 52, 100-107.	3.2	10