

Nacer Chahat

List of Publications by Year in descending order

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26
papers

1,121
citations

567281

15
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Millimeter-wave interactions with the human body: state of knowledge and recent advances. International Journal of Microwave and Wireless Technologies, 2011, 3, 237-247.	1.9	187
2	A Deployable High-Gain Antenna Bound for Mars: Developing a new folded-panel reflectarray for the first CubeSat mission to Mars. IEEE Antennas and Propagation Magazine, 2017, 59, 39-49.	1.4	150
3	CubeSat Deployable Ka-Band Mesh Reflector Antenna Development for Earth Science Missions. IEEE Transactions on Antennas and Propagation, 2016, 64, 2083-2093.	5.1	146
4	Wearable Endfire Textile Antenna for On-Body Communications at 60 GHz. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 799-802.	4.0	106
5	Additive Manufactured Metal-Only Modulated Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 6106-6114.	5.1	67
6	Advanced CubeSat Antennas for Deep Space and Earth Science Missions: A review. IEEE Antennas and Propagation Magazine, 2019, 61, 37-46.	1.4	67
7	The Deep-Space Network Telecommunication CubeSat Antenna: Using the deployable Ka-band mesh reflector antenna. IEEE Antennas and Propagation Magazine, 2017, 59, 31-38.	1.4	65
8	Broadband Tissue-Equivalent Phantom for BAN Applications at Millimeter Waves. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2259-2266.	4.6	61
9	1.9-THz Multiflare Angle Horn Optimization for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 914-921.	3.1	40
10	RainCube: the first ever radar measurements from a CubeSat in space. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	40
11	All-Metal Dual-Frequency RHCP High-Gain Antenna for a Potential Europa Lander. IEEE Transactions on Antennas and Propagation, 2018, 66, 6791-6798.	5.1	37
12	New Method for Determining Dielectric Properties of Skin and Phantoms at Millimeter Waves Based on Heating Kinetics. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 827-832.	4.6	33
13	One-Meter Deployable Mesh Reflector for Deep-Space Network Telecommunication at $\{X\}$ -Band and $\{Ka\}$ -Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 727-735.	5.1	32
14	Electromagnetic dosimetry for adult and child models within a car: multi-exposure scenarios. International Journal of Microwave and Wireless Technologies, 2011, 3, 707-715.	1.9	18
15	X-Band Choke Ring Horn Telecom Antenna for Interference Mitigation on NASA's SWOT Mission. IEEE Transactions on Antennas and Propagation, 2016, 64, 2075-2082.	5.1	17
16	End-Fire Antenna for BAN at 60 GHz: Impact of Bending, On-Body Performances, and Study of an On to Off-Body Scenario. Electronics (Switzerland), 2014, 3, 221-233.	3.1	12
17	Efficient CMOS Systems With Beam-Lead Interconnects for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 637-644.	3.1	9
18	From Prototype to Flight: Qualifying a Ka-band Parabolic Deployable Antenna (KaPDA) for CubeSats. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	The Mars Helicopter Telecommunication Link: Antennas, Propagation, and Link Analysis. IEEE Antennas and Propagation Magazine, 2020, 62, 12-22.	1.4	7
20	One meter deployable reflectarray antenna for earth science radars. , 2017, , .		5
21	Deployment Mechanisms for High Packing Efficiency One-Meter Reflectarray Antenna (OMERA). , 2019, , .		5
22	Terahertz Antennas and Feeds. Signals and Communication Technology, 2018, , 335-386.	0.5	4
23	Integration, Test, and On-Orbit Operation of a Ka-band Parabolic Deployable Antenna (KaPDA) for CubeSats. , 2020, , .		3
24	Metal-only modulated metasurface antenna for Cubesat platforms. , 2019, , .		2
25	Some recent developments on modulated metasurface antennas. , 2019, , .		1
26	Dare Mighty Things: Fly on Mars [Young Professionals]. IEEE Antennas and Propagation Magazine, 2021, 63, 142-145.	1.4	0