

# Richard E Hodges

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

725  
citations

933447

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1281871

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docs citations

15  
times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Advanced Antennas for Small Satellites. Proceedings of the IEEE, 2018, 106, 391-403.	21.3	110
4	Advanced CubeSat Antennas for Deep Space and Earth Science Missions: A review. IEEE Antennas and Propagation Magazine, 2019, 61, 37-46.	1.4	67
5	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
6	Novel deployable reflectarray antennas for CubeSat communications. , 2015, , .		58
7	Development of Highly Constrained 1 m <i>Ka</i> -Band Mesh Deployable Offset Reflector Antenna for Next Generation CubeSat Radars. IEEE Transactions on Antennas and Propagation, 2019, 67, 6254-6266.	5.1	37
8	Three-Dimensionally Printed, Shaped, Engineered Material Inhomogeneous Lens Antennas for Next-Generation Spaceborne Weather Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2080-2084.	4.0	18
9	Large-Area Deployable Reflectarray Antenna for CubeSats. , 2019, , .		16
10	An Extremely Large Ka-Band Reflectarray Antenna for Interferometric Synthetic Aperture Radar: Enabling Next-Generation Satellite Remote Sensing. IEEE Antennas and Propagation Magazine, 2020, 62, 23-33.	1.4	13
11	Improving Small Satellite Communications in Deep Space—A Review of the Existing Systems and Technologies With Recommendations for Improvement. Part I: Direct to Earth Links and SmallSat Telecommunications Equipment. IEEE Aerospace and Electronic Systems Magazine, 2020, 35, 8-25.	1.3	13
12	Enhancing Communications for Future Mars Rovers: Using high-performance circularly polarized patch subarrays for a dual-band direct-to-Earth link. IEEE Antennas and Propagation Magazine, 2017, 59, 50-61.	1.4	11
13	3-D-Printed Shaped and Material-Optimized Lenses for Next-Generation Spaceborne Wind Scatterometer Weather Radars. IEEE Transactions on Antennas and Propagation, 2022, 70, 3163-3172.	5.1	10
14	From Prototype to Flight: Qualifying a Ka-band Parabolic Deployable Antenna (KaPDA) for CubeSats. , 2017, , .		7
15	Lightweight Composite Reflectarray that can be Flattened, Folded, and Coiled for Compact Stowage. , 2022, , .		4