David H Covarrubias

List of Publications by Year
in descending order

30 papers	249 citations	933447 10 h-index	996975 15 g-index
30 all docs	30 docs citations	30 times ranked	240 citing authors

#	Article	IF	Citations
1	Design of electronically steerable linear arrays with evolutionary algorithms. Applied Soft Computing Journal, 2008, 8, 46-54.	7.2	24
2	Hybrid Sparse Linear Array Synthesis Applied to Phased Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 185-188.	4.0	23
3	Design of steerable concentric rings array for low side lobe level. Scientia Iranica, 2012, 19, 727-732.	0.4	20
4	Robust polygon recognition method with similarity invariants applied to star identification. Advances in Space Research, 2017, 59, 1095-1111.	2.6	20
5	Synthesis of Two-Dimensional Antenna Array Using Independent Compression Regions. IEEE Transactions on Antennas and Propagation, 2013, 61, 449-453.	5.1	18
6	Synthesis of sparse circular antenna arrays applying a tapering technique over reconstructed continuous current distribution. IET Microwaves, Antennas and Propagation, 2016, 10, 347-352.	1.4	17
7	Statistical cellular Gaussian scatter density channel model employing a directional antenna for mobile environments. AEU - International Journal of Electronics and Communications, 2005, 59, 195-199.	2.9	14
8	Transport tracking through communication in WDSN for smart cities. Measurement: Journal of the International Measurement Confederation, 2019, 139, 205-212.	5.0	13
9	On a Spectrum Resource Organization Strategy for Scheduling Time Reduction in Carrier Aggregated Systems. IEEE Communications Letters, 2011, 15, 1202-1204.	4.1	12
10	Non-Uniform Concentric Rings Design for Ultra-Wideband Arrays. Sensors, 2019, 19, 2262.	3.8	11
11	Design of Concentric Ring Antenna Arrays Based on Subarrays to Simplify the Feeding System. Symmetry, 2020, 12, 970.	2.2	9
12	Handover based on a predictive approach of signalâ€toâ€interferenceâ€plusâ€noise ratio for heterogeneous cellular networks. IET Communications, 2019, 13, 672-678.	2.2	8
13	An Innovative Way of Using Coherently Radiating Periodic Structures for Phased Arrays With Reduced Number of Phase Shifters. IEEE Transactions on Antennas and Propagation, 2022, 70, 307-316.	5.1	8
14	Performance evaluation of planar antenna arrays onboard low earth orbit satellites. AEU - International Journal of Electronics and Communications, 2010, 64, 377-382.	2.9	7
15	Reliable Multihop Broadcast Protocol with a Low-Overhead Link Quality Assessment for ITS Based on VANETs in Highway Scenarios. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	7
16	Design of a multiple-beam forming network using CORPS optimized for cellular systems. AEU - International Journal of Electronics and Communications, 2012, 66, 349-356.	2.9	6
17	Design of circular antenna arrays of circular subarrays exploiting rotational symmetry. Journal of Electromagnetic Waves and Applications, 2017, 31, 1277-1288.	1.6	6
18	A Multiple Beamforming Network for Unequally Spaced Linear Array Based on CORPS. International Journal of Antennas and Propagation, 2015, 2015, 1-7.	1.2	5

#	Article	IF	Citations
19	A New Approach in the Simplification of a Multiple-Beam Forming Network Based on CORPS Using Compressive Arrays. International Journal of Antennas and Propagation, 2012, 2012, 1-8.	1.2	4
20	Coherently Radiating Periodic Structures to Reduce the Number of Phase Shifters in a 2-D Phased Array. Sensors, 2021, 21, 6592.	3.8	4
21	Multiobjective Synthesis of Steerable UWB Circular Antenna Array considering Energy Patterns. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	1.2	3
22	Synthesis of a Scannable Pattern for 3D Cubic Antenna Arrays. IETE Technical Review (Institution of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	3
23	Performance analysis of closedâ€loop preâ€equalisation for multiuser multipleâ€input multipleâ€output with multicarrier code division multiple access systems. IET Communications, 2016, 10, 235-244.	2.2	2
24	Effects of Narrow Beam Phased Antenna Arrays over the Radio Channel Metrics, Doppler Power Spectrum, and Coherence Time, in a Context of 5G Frequency Bands. Applied Sciences (Switzerland), 2021, 11, 10081.	2.5	2
25	Evaluation of the interference rejection capability of a uniform circular array. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2007, 30, 775-780.	1.1	1
26	Distributed Algorithm for Base Station Assignment in 4G/5G Machine-Type Communication Scenarios with Backhaul Limited Conditions. Sensors, 2020, 20, 6553.	3.8	1
27	Optimization of a Coherent Dual-Beam Array Feed Network for Aperiodic Concentric Ring Antennas. Applied Sciences (Switzerland), 2021, 11, 1111.	2.5	1
28	Corrections to â€œSynthesis of Two-Dimensional Antenna Array Using Independent Compression Regionsâ€•[Jan 13 449-453]. IEEE Transactions on Antennas and Propagation, 2014, 62, 4436-4436.	5.1	0
29	Hybrid sparse two-dimensional antenna array synthesis using Independent Compression Regions. , 2014, , .		0
30	Evaluation of a Multi Cluster Gaussian Scatterer Distribution Channel Model. IEICE Transactions on Communications, 2012, E95-B, 296-299.	0.7	0