David Escot-Bocanegra

List of Publications by Year
in descending order

36 papers	199 citations	1163117 8 h-index	1125743 13 g-index
37 all docs	37 docs citations	37 times ranked	168 citing authors

#	Article	IF	Citations
1	Discrete Electromagnetic Model for the Evaluation of Wideband Bistatic Scattering Responses and Statistics of Chaff Clouds. IEEE Transactions on Antennas and Propagation, 2020, 68, 6256-6264.	5.1	6
2	Limitations in the Measurement of the Shielding Effectiveness of Aeronautical Multi-ply CFC Laminates. , 2019, , .		2
3	Design of a planetary protection cover for EMC testing of a spacial magnetic sensor. , 2019, , .		1
4	Modeling and Measuring the Shielding Effectiveness of Carbon Fiber Composites. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 207-213.	2.2	10
5	Comparing Open Area Test Site and Resonant Chamber for Unmanned Aerial Vehicle's High-Intensity Radiated Field Testing. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1704-1711.	2.2	12
6	Indoor Measurement of Bistatic High Resolution Range Profiles of Scale Model Aircraft Targets. , 2018, , .		0
7	FS electromagnetic characterisation of a flexible and scalable X‑band RAM. IET Microwaves, Antennas and Propagation, 2018, 12, 1147-1152.	1.4	3
8	Assessment of FEM simulations in EMC test setups for small aeronautical platforms. Journal of Electromagnetic Waves and Applications, 2018, 32, 2228-2245.	1.6	1
9	SIVA UAV: A Case Study for the EMC Analysis of Composite Air Vehicles. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1103-1113.	2.2	27
10	Comparison of facilities for low level coupling tests in UAV EMC certification. , 2017, , .		0
11	Comparison of Metal-Backed Free-Space and Open-Ended Coaxial Probe Techniques for the Dielectric Characterization of Aeronautical Composites. Sensors, 2016, 16, 967.	3.8	14
12	BIANCHA: A spherical indoor facility for bistatic electromagnetic tests. , 2016, , .		1
13	UAVEMI project: Numerical and experimental EM immunity assessment of UAV for HIRF and lightning indirect effects. , 2016, , .		10
14	Non‑cooperative identification of civil aircraft using a generalised mutual subspace method. IET Radar, Sonar and Navigation, 2016, 10, 186-191.	1.8	6
15	Non-Cooperative Target Recognition by Means of Singular Value Decomposition Applied to Radar High Resolution Range Profiles. Sensors, 2015, 15, 422-439.	3.8	24
16	Comparative study of miscellaneous methods applied to a benchmark, inlet scattering problem. IET Radar, Sonar and Navigation, 2015, 9, 342-354.	1.8	5
17	Non-Cooperative Target Identification based on Singular Value Decomposition. , 2015, , .		0
18	Reflectance of interurban-road pavements from radar-based measurements. , 2013, , .		1

#	Article	IF	Citations
19	CLASS IDENTIFICATION OF AIRCRAFTS BY MEANS OF ARTIFICIAL NEURAL NETWORKS TRAINED WITH SIMULATED RADAR SIGNATURES.. Progress in Electromagnetics Research C, 2011, 21, 243-255.	0.9	10
20	SPHERICAL INDOOR FACILITY APPLIED TO BISTATIC RADAR CROSS SECTION MEASUREMENTS. Progress in Electromagnetics Research Letters, 2011, 26, 181-187.	0.7	6
21	Application of FDTD to HRRP Generation of a Cavity Model for NCTI Purposes. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1685-1695.	4.7	4
22	Application of a Spherical Multi-Purpose Facility to the Selection of the Appropriate Radome for an On-Board POD Antenna. Journal of Electromagnetic Waves and Applications, 2011, 25, 1243-1252.	1.6	1
23	Study of the scattering mechanisms of a set of conospheres. , 2010, , .		0
24	Joint Direction of Arrival and amplitude estimation using Particle Swarm Optimization and a single snapshot. , 2010, , .		3
25	Indoor 3D Full Polarimetric Bistatic Spherical Facility for Electromagnetic Tests. IEEE Antennas and Propagation Magazine, 2010, 52, 112-118.	1.4	16
26	Methodology to Achieve Accurate Non Cooperative Target Identification Using High Resolution Radar and a Synthetic Database. Lecture Notes in Computer Science, 2010, , 427-436.	1.3	0
27	RCS Analysis of a Configurable Mock-Up Cavity With Blade Motion Capability. IEEE Transactions on Magnetics, 2009, 45, 1096-1099.	2.1	5
28	Performance analysis of the Particle Swarm Optimization algorithm when applied to direction of arrival estimation. , 2009, , .		4
29	RCS measurements and predictions of different targets for radar benchmark purpose. , 2009, , .		3
30	Application of Artificial Neural Networks to Complex Dielectric Constant Estimation from Free-Space Measurements. Lecture Notes in Computer Science, 2009, , 517-526.	1.3	2
31	Evaluation of Particle Swarm Optimization Applied to Single Snapshot Direction of Arrival Estimation. Journal of Electromagnetic Waves and Applications, 2008, 22, 2251-2258.	1.6	3
32	NEW BENCHMARK RADAR TARGETS FOR SCATTERING ANALYSIS AND ELECTROMAGNETIC SOFTWARE VALIDATION. Progress in Electromagnetics Research, 2008, 88, 39-52.	4.4	15
33	Complex Permittivity Estimation by Bio-inspired Algorithms for Target Identification Improvement. Lecture Notes in Computer Science, 2007, , 232-240.	1.3	1
34	Singular Value Decomposition Applied to Automatic Target Recognition with High Resolution Range Profiles. , 0, , .		0
35	Singular Value Decomposition Applied to Non-Cooperative Target Identification. , 0, , .		0
36	Experimental evaluation of different algorithms for permittivity estimation of aeronautic materials based on metal-backed free-space measurements. , 0, , .		0