

Stefano Perna

List of Publications by Year in descending order

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326
citing authors

#	ARTICLE	IF	CITATIONS
1	A Deterministic Two Dimensional Density Taper Approach for Fast Design of Uniform Amplitude Pencil Beams Arrays. IEEE Transactions on Antennas and Propagation, 2011, 59, 2852-2861.	5.1	62
2	Isophoric Sparse Arrays Ensuring Global Coverage in Satellite Communications. IEEE Transactions on Antennas and Propagation, 2014, 62, 1607-1618.	5.1	40
3	Advances in the Deterministic Synthesis of Uniform Amplitude Pencil Beam Concentric Ring Arrays. IEEE Transactions on Antennas and Propagation, 2012, 60, 3504-3509.	5.1	36
4	Phase Offset Calculation for Airborne InSAR DEM Generation Without Corner Reflectors. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2713-2726.	6.3	29
5	Azimuth-to-Frequency Mapping in Airborne SAR Data Corrupted by Uncompensated Motion Errors. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1493-1497.	3.1	28
6	The InSAeS4 Airborne X-Band Interferometric SAR System: A First Assessment on Its Imaging and Topographic Mapping Capabilities. Remote Sensing, 2016, 8, 40.	4.0	26
7	Synthesis of Isophoric Sparse Arrays Allowing Zoomable Beams and Arbitrary Coverage in Satellite Communications. IEEE Transactions on Antennas and Propagation, 2015, 63, 1445-1457.	5.1	25
8	Interleaved Isophoric Sparse Arrays for the Radiation of Steerable and Switchable Beams in Satellite Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 1163-1173.	5.1	19
9	On the Use of Series Expansions for Kirchhoff Diffractals. IEEE Transactions on Antennas and Propagation, 2011, 59, 595-610.	5.1	17
10	The ASI Integrated Sounder-SAR System Operating in the UHF-VHF Bands: First Results of the 2018 Helicopter-Borne Morocco Desert Campaign. Remote Sensing, 2019, 11, 1845.	4.0	14
11	Asymptotic Behavior of Two Series Used for the Evaluation of Kirchhoff Diffractals. IEEE Transactions on Antennas and Propagation, 2011, 59, 2442-2444.	5.1	12
12	On the Capabilities of the Italian Airborne FMCW AXIS InSAR System. Remote Sensing, 2020, 12, 539.	4.0	12
13	Capabilities of the TELAER airborne SAR system upgraded to the multi-antenna mode. , 2012, , .		10
14	An Algorithm for Efficient and Effective Evaluation of Scattering From Fractal Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3554-3566.	6.3	10
15	Detection of Partially Coherent Scatterers in Multidimensional SAR Tomography: A Theoretical Study. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7534-7548.	6.3	10
16	A LEXICOGRAPHIC APPROACH FOR MULTI-OBJECTIVE OPTIMIZATION IN ANTENNA ARRAY DESIGN. Progress in Electromagnetics Research M, 2017, 59, 85-102.	0.9	10
17	Measurement of the Antenna Phase Center Position in Anechoic Chamber. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2183-2187.	4.0	8
18	Editorial for Special Issue "Radar Imaging in Challenging Scenarios from Smart and Flexible Platforms". Remote Sensing, 2020, 12, 1272.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Latest developments on the shielding effectiveness measurements of materials and gaskets in reverberation chambers. IET Science, Measurement and Technology, 2020, 14, 435-445.	1.6	8
20	On the Shielding Effectiveness Calculation of Enclosures Through Measurements in Reverberation Chambers. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1395-1406.	2.2	7
21	A Simple Solution for the Phase Offset Estimation of Airborne SAR Interferograms Without Using Corner Reflectors. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 379-383.	3.1	5
22	Sea State Observation through a Three-Antenna Hybrid XT/AT InSAR Configuration: A Preliminary Study Based on the InSAeS4 Airborne System. Remote Sensing, 2017, 9, 792.	4.0	4
23	On the Frequency Sweep Rate Estimation in Airborne FMCW SAR Systems. Remote Sensing, 2020, 12, 3448.	4.0	3
24	CW Doppler Radar as Occupancy Sensor: A Comparison of Different Detection Strategies. Frontiers in Signal Processing, 2022, 2, .	1.7	3
25	K-Factor Estimate: Statistical Behavior of Its Distribution for Large Sample Sizes. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1896-1899.	2.2	2
26	On the Estimate of the K -Factor: An Effective Approximation Based on Taylor Series Expansion. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1893-1896.	2.2	2
27	Airborne D-InSAR at X-band: Results with the complete repeat-pass processing methodology. , 2009, , .		1
28	Detection of partially coherent scatterers in multidimensional SAR tomography: a theoretical study. Proceedings of SPIE, 2013, , .	0.8	1
29	Multiobjective Optimization of a Rotman Lens through the QLWS Minimization. International Journal of Antennas and Propagation, 2017, 2017, 1-6.	1.2	1
30	X-band airborne differential interferometry over the Perugia area. , 2007, , .		0
31	Efficient and accurate algorithm for the evaluation of Kirchhoff scattering from fractal surfaces. Proceedings of SPIE, 2011, , .	0.8	0
32	A hybrid approach to the synthesis of reconfigurable sparse circular arrays. , 2014, , .		0
33	Performance Assessment of the FSRETC Algorithm for the Estimation of the Frequency Sweep Rate in Airborne FMCW SAR Systems. , 2021, , .		0
34	Imaging capabilities of an airborne X-band SAR based on the FMCW technology. , 2019, , .		0
35	ON THE INTERFEROMETRIC AND POLARIMETRIC CAPABILITIES OF THE ARGENTINIAN L-BAND SARAT SYSTEM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W12-2020, 515-520.	0.2	0