

Stefano Perna

List of Publications by Year in descending order

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35
papers

413
citations

759233

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36
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docs citations

36
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	CW Doppler Radar as Occupancy Sensor: A Comparison of Different Detection Strategies. <i>Frontiers in Signal Processing</i> , 2022, 2, .	1.7	3
2	On the Shielding Effectiveness Calculation of Enclosures Through Measurements in Reverberation Chambers. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021, 63, 1395-1406.	2.2	7
3	Performance Assessment of the FSRETC Algorithm for the Estimation of the Frequency Sweep Rate in Airborne FMCW SAR Systems. , 2021, , .		0
4	On the Frequency Sweep Rate Estimation in Airborne FMCW SAR Systems. <i>Remote Sensing</i> , 2020, 12, 3448.	4.0	3
5	Editorial for Special Issue "Radar Imaging in Challenging Scenarios from Smart and Flexible Platforms". <i>Remote Sensing</i> , 2020, 12, 1272.	4.0	8
6	On the Estimate of the K -Factor: An Effective Approximation Based on Taylor Series Expansion. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1893-1896.	2.2	2
7	On the Capabilities of the Italian Airborne FMCW AXIS InSAR System. <i>Remote Sensing</i> , 2020, 12, 539.	4.0	12
8	Latest developments on the shielding effectiveness measurements of materials and gaskets in reverberation chambers. <i>IET Science, Measurement and Technology</i> , 2020, 14, 435-445.	1.6	8
9	The ASI Integrated Sounder-SAR System Operating in the UHF-VHF Bands: First Results of the 2018 Helicopter-Borne Morocco Desert Campaign. <i>Remote Sensing</i> , 2019, 11, 1845.	4.0	14
10	K -Factor Estimate: Statistical Behavior of Its Distribution for Large Sample Sizes. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019, 61, 1896-1899.	2.2	2
11	Imaging capabilities of an airborne X-band SAR based on the FMCW technology. , 2019, , .		0
12	Measurement of the Antenna Phase Center Position in Anechoic Chamber. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 2183-2187.	4.0	8
13	A Simple Solution for the Phase Offset Estimation of Airborne SAR Interferograms Without Using Corner Reflectors. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 379-383.	3.1	5
14	Interleaved Isophoric Sparse Arrays for the Radiation of Steerable and Switchable Beams in Satellite Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 1163-1173.	5.1	19
15	Sea State Observation through a Three-Antenna Hybrid XT/AT InSAR Configuration: A Preliminary Study Based on the InSAeS4 Airborne System. <i>Remote Sensing</i> , 2017, 9, 792.	4.0	4
16	Multiobjective Optimization of a Rotman Lens through the QLWS Minimization. <i>International Journal of Antennas and Propagation</i> , 2017, 2017, 1-6.	1.2	1
17	A LEXICOGRAPHIC APPROACH FOR MULTI-OBJECTIVE OPTIMIZATION IN ANTENNA ARRAY DESIGN. <i>Progress in Electromagnetics Research M</i> , 2017, 59, 85-102.	0.9	10
18	The InSAeS4 Airborne X-Band Interferometric SAR System: A First Assessment on Its Imaging and Topographic Mapping Capabilities. <i>Remote Sensing</i> , 2016, 8, 40.	4.0	26

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A hybrid approach to the synthesis of reconfigurable sparse circular arrays. , 2014, , .		0
22	Isophoric Sparse Arrays Ensuring Global Coverage in Satellite Communications. IEEE Transactions on Antennas and Propagation, 2014, 62, 1607-1618.	5.1	40
23	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
24	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
25	Detection of partially coherent scatterers in multidimensional SAR tomography: a theoretical study. Proceedings of SPIE, 2013, , .	0.8	1
26	Capabilities of the TELAER airborne SAR system upgraded to the multi-antenna mode. , 2012, , .		10
27	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
28	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
29	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
30	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
31	On the Use of Series Expansions for Kirchhoff Diffractals. IEEE Transactions on Antennas and Propagation, 2011, 59, 595-610.	5.1	17
32	Efficient and accurate algorithm for the evaluation of Kirchhoff scattering from fractal surfaces. Proceedings of SPIE, 2011, , .	0.8	0
33	Airborne D-InSAR at X-band: Results with the complete repeat-pass processing methodology. , 2009, , .		1
34	X-band airborne differential interferometry over the Perugia area. , 2007, , .		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