

Alessandra Budillon

List of Publications by Year in descending order

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docs citations

58
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Improvement for SAR Tomography Based on Local Plane Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2298-2310.	4.9	8
2	Remote Monitoring of Civil Infrastructure Based on TomoSAR. Infrastructures, 2022, 7, 52.	2.8	3
3	Analyzing urbanization induced groundwater stress and land deformation using time-series Sentinel-1 datasets applying PSInSAR approach. Science of the Total Environment, 2022, 844, 157103.	8.0	14
4	Infrastructure Health Monitoring Using SAR Tomography. Lecture Notes in Civil Engineering, 2021, , 257-270.	0.4	0
5	Polsar Tomographic Techniques Using Surface Slope Parameters in Urban Areas. , 2021, , .		0
6	Performance Improvement of SAR Tomography in Urban Scenarios Based on Local-Plane GLRT. , 2021, , .		0
7	From Interferometric to Tomographic SAR: A Review of Synthetic Aperture Radar Tomography-Processing Techniques for Scatterer Unmixing in Urban Areas. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 6-29.	9.6	40
8	Along-Track Interferometric SAR Systems for Ground-Moving Target Indication: Achievements, Potentials, and Outlook. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 46-63.	9.6	20
9	Regularized SAR Tomography Approaches. , 2020, , .		0
10	Contextual Information Based SAR Tomography of Urban Areas. , 2019, , .		4
11	Editorial for the Special Issue "Urban Deformation Monitoring using Persistent Scatterer Interferometry and SAR Tomography". Remote Sensing, 2019, 11, 1306.	4.0	4
12	Three-Dimensional Target Scattering Classification Using Full-Rank Polarimetric Tomographic SAR Focusing. , 2019, , .		1
13	On the Separation of Ground and Canopy Scatterings Using Single Polarimetric Multi-Baseline SAR Tomography. , 2019, , .		2
14	Urban Tomographic Imaging Using Polarimetric SAR Data. Remote Sensing, 2019, 11, 132.	4.0	18
15	Comparison of Persistent Scatterer Interferometry and SAR Tomography Using Sentinel-1 in Urban Environment. Remote Sensing, 2018, 10, 1986.	4.0	19
16	TomoSAR Processing for Scatterers Detection using Parallel Implementation on Fast Support Detector. , 2018, , .		0
17	Phase Error Compensation in Multi-Baseline SAR Tomography. , 2018, , .		1
18	Full 3D DEM Generation in Urban Area By Improving Estimation from SAR Tomography. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	A Fast Support Detector for Superresolution Localization of Multiple Scatterers in SAR Tomography. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2768-2779.	4.9	36
20	On the role of non-local filtering in forest vertical structure characterization using SAR tomography. , 2017, , .		1
21	Scatterer detection in urban environment using persistent scatterer interferometry and SAR tomography. , 2017, , .		1
22	Extension of a Fast GLRT Algorithm to 5D SAR Tomography of Urban Areas. Remote Sensing, 2017, 9, 844.	4.0	29
23	Support-detection 5-D SAR tomography. , 2016, , .		0
24	A modified statistical test based on support estimation for multiple scatterers detection in SAR tomography. , 2016, , .		1
25	GLRT Based on Support Estimation for Multiple Scatterers Detection in SAR Tomography. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1086-1094.	4.9	67
26	Support Detection for SAR Tomographic Reconstructions from Compressive Measurements. Scientific World Journal, The, 2015, 2015, 1-6.	2.1	1
27	SAR image compression based on sparsity. , 2015, , .		0
28	Support based multiple scatterers detection in SAR tomography. , 2015, , .		1
29	Performance Evaluation of a GLRT Moving Target Detector for TerraSAR-X Along-Track Interferometric Data. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3350-3360.	6.3	31
30	Sparsity based detection of multiple targets in 3D-SAR imaging. , 2015, , .		0
31	Detection of single scatterers in correlated clutter using multi-channel SAR interferometric data. , 2015, , .		1
32	Multiple scatterers detection in CS-based SAR tomography. , 2014, , .		4
33	Compressive sensing methods for SAR imaging. , 2014, , .		3
34	Multibaseline SAR Interferometry from Complex Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2911-2918.	4.9	19
35	Localization Performance of Multiple Scatterers in Compressive Sampling SAR Tomography: Results on COSMO-SkyMed Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2902-2910.	4.9	39
36	Joint estimation of moving target reflectivity and velocity via AT-InSAR systems based on complex interferometric data. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 75, 1-10.	11.1	6

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37	GLRT persistent scatterers detector. , 2012, , .		2
38	Persistent scatterers detection assessment on COSMO-SkyMed data. , 2012, , .		0
39	GLRT moving targets detection performance assessment on TerraSAR-X ATI data. , 2012, , .		0
40	Compressive sampling in SAR tomography: Results on COSMO-SkyMed data. , 2012, , .		2
41	GLRT Detection of Moving Targets via Multibaseline Along-Track Interferometric SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 348-352.	3.1	40
42	Preliminary results of GLRT moving targets detection on TerraSAR-X data. , 2011, , .		0
43	Three-Dimensional SAR Focusing From Multipass Signals Using Compressive Sampling. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 488-499.	6.3	251
44	Artifact reduction in SAR Compressive Sampling tomography. , 2011, , .		1
45	Multi-baseline along track SAR interferometric systems for ground moving target indication. , 2010, , .		13
46	New trends in SAR tomography. , 2010, , .		0
47	SAR tomographic focusing by Compressive Sampling: Experiments on real data. , 2010, , .		2
48	DEM reconstruction in urban scenario. , 2009, , .		1
49	Layover Solution in SAR Imaging: A Statistical Approach. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 577-581.	3.1	37
50	GRLT detection of moving target by along track SAR interferometric systems. , 2009, , .		2
51	SAR tomography from sparse samples. , 2009, , .		45
52	Joint SAR imaging and DEM reconstruction from multichannel layover-affected SAR data. , 2009, , .		1
53	Moving Target Detection in along Track SAR Interferometry from In-Phase and Quadrature Components Data. , 2008, , .		2
54	Estimation of Radial Velocity of Moving Targets by Along-Track Interferometric SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 349-353.	3.1	65

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55	Multichannel Along-Track Interferometric SAR Systems: Moving Targets Detection and Velocity Estimation. International Journal of Navigation and Observation, 2008, 2008, 1-16.	0.8	18
56	Multichannel SAR Interferometry via Classical and Bayesian Estimation Techniques. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	23
57	Generalized Independent Component Analysis as Density Estimation. Lecture Notes in Computer Science, 2002, , 83-89.	1.3	1
58	Searching for a binary factorial code using the ICA framework. Neurocomputing, 1998, 22, 131-144.	5.9	0