

Silvia Liberata Ullo

List of Publications by Year in descending order

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68
papers

1,247
citations

430874

18
h-index

477307

29
g-index

69
all docs

69
docs citations

69
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	On Circuit-Based Hybrid Quantum Neural Networks for Remote Sensing Imagery Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 565-580.	4.9	35
2	Urban Sprawl and COVID-19 Impact Analysis by Integrating Deep Learning with Google Earth Engine. Remote Sensing, 2022, 14, 2038.	4.0	3
3	A Speckle Filter for Sentinel-1 SAR Ground Range Detected Data Based on Residual Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5086-5101.	4.9	10
4	AIRSENSE-TO-ACT: A Concept Paper for COVID-19 Countermeasures Based on Artificial Intelligence Algorithms and Multi-Source Data Processing. ISPRS International Journal of Geo-Information, 2021, 10, 34.	2.9	10
5	Adaptive Waveform Design with Multipath Exploitation Radar in Heterogeneous Environments. Remote Sensing, 2021, 13, 1628.	4.0	4
6	Automatic dataset builder for Machine Learning applications to satellite imagery. SoftwareX, 2021, 15, 100739.	2.6	11
7	Advances in IoT and Smart Sensors for Remote Sensing and Agriculture Applications. Remote Sensing, 2021, 13, 2585.	4.0	53
8	On-Board Volcanic Eruption Detection through CNNs and Satellite Multispectral Imagery. Remote Sensing, 2021, 13, 3479.	4.0	25
9	Miniaturized Pervasive Sensors for Indoor Health Monitoring in Smart Cities. Smart Cities, 2021, 4, 146-155.	9.4	14
10	A New Mask R-CNN-Based Method for Improved Landslide Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3799-3810.	4.9	49
11	Analysis and Computation of Encryption Technique to Enhance Security of Medical Images. IOP Conference Series: Materials Science and Engineering, 2020, 925, 012028.	0.6	8
12	Landslide Susceptibility Assessment of Wildfire Burnt Areas through Earth-Observation Techniques and a Machine Learning-Based Approach. Remote Sensing, 2020, 12, 2505.	4.0	35
13	Monitoring of Critical Infrastructures by Micromotion Estimation: The Mosul Dam Destabilization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6337-6351.	4.9	10
14	A Two-Step Process for a Cognitive Radar Waveform Design with Multipath Exploitation. , 2020, , .		1
15	Perspectives on the Structural Health Monitoring of Bridges by Synthetic Aperture Radar. Remote Sensing, 2020, 12, 3852.	4.0	25
16	Land-Use and Land-Cover Classification Using a Human Group-Based Particle Swarm Optimization Algorithm with an LSTM Classifier on Hybrid Pre-Processing Remote-Sensing Images. Remote Sensing, 2020, 12, 4135.	4.0	80
17	Comparative Analysis to Identify Efficient Technique for Interfacing BCI System. IOP Conference Series: Materials Science and Engineering, 2020, 925, 012062.	0.6	5
18	Advances in Smart Environment Monitoring Systems Using IoT and Sensors. Sensors, 2020, 20, 3113.	3.8	274

#	ARTICLE	IF	CITATIONS
19	LiDAR-Based System and Optical VHR Data for Building Detection and Mapping. <i>Sensors</i> , 2020, 20, 1285.	3.8	22
20	Hybrid Computerized Method for Environmental Sound Classification. <i>IEEE Access</i> , 2020, 8, 124055-124065.	4.2	31
21	Post-Fire Assessment of Burned Areas with Landsat-8 and Sentinel-2 Imagery Together with Modis and Viirs Active Fire Products. , 2020, , .		2
22	Semi-Automatic Classification of Building From Low-Density Lidar Data and Worldview-2 Images Through OBIA Technique. , 2020, , .		3
23	Application of Dinsar Technique to High Coherence Satellite Images for Strategic Infrastructure Monitoring. , 2020, , .		3
24	Prospects of Distributed Wireless Sensor Networks for Urban Environmental Monitoring. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 44-52.	1.3	32
25	High-resolution topographic surveys and earth features extraction through LiDARs. Discussion of some Case Studies. , 2019, , .		1
26	From the Editors of the Special Issue on Wireless Sensor Networks and Remote Sensing for Environmental Applications. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 3-3.	1.3	1
27	From the Editors of the Special Issue on Wireless Sensor Networks and Remote Sensing for Environmental Applications. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 5-5.	1.3	0
28	Application of DInSAR Technique to High Coherence Sentinel-1 Images for Dam Monitoring and Result Validation Through <i>In Situ</i> Measurements. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 875-890.	4.9	45
29	A step toward the standardization of maintenance and training services in C4I military systems with Mixed Reality application. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 138, 149-156.	5.0	26
30	Landslide Geohazard Assessment with Convolutional Neural Networks Using Sentinel-2 Imagery Data. , 2019, , .		18
31	Smaller Satellites, Larger Constellations: Trends and Design Issues for Earth Observation Systems. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 50-59.	1.3	35
32	HRR profile estimation using SLIM. <i>IET Radar, Sonar and Navigation</i> , 2019, 13, 512-521.	1.8	20
33	Use of Differential Interferometry on Sentinel-L Images for the Measurement of Ground Displacements - Ischia Earthquake and Comparison with Ingv Data. , 2018, , .		2
34	A Flexible Mobility System Based on CHIP Architectures: The NETCHIP Research Project. , 2018, , .		1
35	Landsat-8 and Sentinel-2 for fire monitoring at a local scale: A case study on Vesuvius. , 2018, , .		10
36	Evolution of Cognitive Radars Toward Intelligent Systems Architectures. , 2018, , .		1

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37	Applicability of the Mixed Reality to Maintenance and Training Processes of C4I Systems in Italian Air Force. , 2018, , .		8
38	SAR interferometry with open Sentinel-1 data for environmental measurements: The case of Ischia earthquake. , 2018, , .		3
39	X- and C-band SAR data to monitoring ground deformations and slow-moving landslides for the 2016 Manta and Portoviejo earthquake (Manabi, Ecuador). , 2018, , .		4
40	UAV system for photovoltaic plant inspection. IEEE Aerospace and Electronic Systems Magazine, 2018, 33, 58-67.	1.3	36
41	Application of wireless sensor networks to environmental monitoring for sustainable mobility. , 2018, , .		17
42	Fourier independent component analysis of radar micro-Doppler features. , 2017, , .		9
43	A UAV infrared measurement approach for defect detection in photovoltaic plants. , 2017, , .		42
44	Automating the maintenance of photovoltaic power plants. , 2017, , .		5
45	Analysis of GPS signals backscattered from a target on the sea surface. , 2017, , .		8
46	Land cover classification and monitoring through multisensor image and data combination. , 2016, , .		11
47	Contribution of Sentinel-2 data for applications in vegetation monitoring. Acta IMEKO (2012), 2016, 5, 44.	0.7	66
48	The hyperspectral unmixing of nitrogen dioxide from the ESA-SCIAMACHY Nadir measurements. , 2015, , .		2
49	Stochastic simulation of delay-Doppler maps for GNSS-R. , 2015, , .		0
50	Combination of LANDSAT and EROS-B satellite images with GPS and LiDAR data for land monitoring. A case study: The Sant'Arcangelo Trimonte dump. , 2015, , .		2
51	4D-8PSK trellis coded modulation: Implementation on Xilinx Virtex-6 FPGA. , 2015, , .		1
52	Integration of satellite observations and ground-based measurements for landfill monitoring. , 2015, , .		2
53	The Hyperspectral Unmixing of Trace-Gases From ESA SCIAMACHY Reflectance Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2130-2134.	3.1	7
54	Space-time statistics for the number of specular points in sea surface GNSS reflectometry. , 2014, , .		5

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55	A review of spectrally efficient modulations for earth observation data downlink. , 2014, , .		5
56	Analysis and validation of high-resolution satellite DEMs generated from EROS-B data for montaguto landslide. , 2012, , .		4
57	CFAR detection of fire events in non-homogeneous non-Gaussian background. , 2012, , .		1
58	The role of cooperative information spreading paradigms for Smart Grid monitoring. , 2012, , .		10
59	A new algorithm for noise reduction and quality improvement in SAR interferograms using inpainting and diffusion. , 2011, , .		4
60	Phase retrieval in SAR interferograms using diffusion and inpainting. , 2010, , .		7
61	The role of pervasive and cooperative Sensor Networks in Smart Grids communication. , 2010, , .		34
62	Destriping MODIS Data Using Overlapping Field-of-View Method. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 637-651.	6.3	26
63	Energy Consumption Estimation in Hybrid Sensor Networks Running Assisted Navigation Algorithms. , 2008, , .		1
64	Image Registration using Non-Linear Diffusion. , 2008, , .		11
65	Implementing assisted navigation in hybrid sensor networks. , 2007, , .		3
66	Multiband CFAR detection of thermal anomalies using principal component analysis. , 2007, , .		3
67	Constant false alarm rate in fire detection for MODIS data. , 0, , .		3
68	Gossip Sensor Networks for Power Quality Monitoring in Smart Grids. Renewable Energy and Power Quality Journal, 0, , 1639-1643.	0.2	1