Mattia Marconcini

List of Publications by Year
in descending order

34	4,141	304743 22	414414 32
papers	citations	h-index	g-index

37	37	37	4231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in techniques for hyperspectral image processing. Remote Sensing of Environment, 2009, 113, S110-S122.	11.0	1,452
2	A Novel Transductive SVM for Semisupervised Classification of Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3363-3373.	6.3	494
3	Breaking new ground in mapping human settlements from space â€“ The Global Urban Footprint. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 134, 30-42.	11.1	284
4	Urban Footprint Processorâ€”Fully Automated Processing Chain Generating Settlement Masks From Global Data of the TanDEM-X Mission. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1617-1621.	3.1	236
5	A Novel Approach to Unsupervised Change Detection Based on a Semisupervised SVM and a Similarity Measure. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2070-2082.	6.3	212
6	An advanced system for the automatic classification of multitemporal SAR images. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1321-1334.	6.3	145
7	Outlining where humans live, the World Settlement Footprint 2015. Scientific Data, 2020, 7, 242.	5.3	142
8	Normalized Difference Flood Index for rapid flood mapping: Taking advantage of EO big data. Remote Sensing of Environment, 2018, 209, 712-730.	11.0	140
9	New dimensions of urban landscapes: The spatio-temporal evolution from a polynuclei area to a mega-region based on remote sensing data. Applied Geography, 2014, 47, 137-153.	3.7	137
10	A Composite Semisupervised SVM for Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 234-238.	3.1	123
11	Toward the Automatic Updating of Land-Cover Maps by a Domain-Adaptation SVM Classifier and a Circular Validation Strategy. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1108-1122.	6.3	101
12	Estimation of seismic building structural types using multi-sensor remote sensing and machine learning techniques. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 104, 175-188.	11.1	87
13	Where We Liveâ€”A Summary of the Achievements and Planned Evolution of the Global Urban Footprint. Remote Sensing, 2018, 10, 895.	4.0	70
14	World Settlement Footprint 3D - A first three-dimensional survey of the global building stock. Remote Sensing of Environment, 2022, 270, 112877.	11.0	64
15	Dimensioning urbanization â€“ An advanced procedure for characterizing human settlement properties and patterns using spatial network analysis. Applied Geography, 2014, 55, 212-228.	3.7	56
16	Semi-supervised SVM for individual tree crown species classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 110, 77-87.	11.1	51
17	Flood depth estimation by means of high-resolution SAR images and lidar data. Natural Hazards and Earth System Sciences, 2018, 18, 3063-3084.	3.6	44
18	A Conceptual List of Indicators for Urban Planning and Management Based on Earth Observation. ISPRS International Journal of Geo-Information, 2014, 3, 980-1002.	2.9	37

#	Article	IF	Citations
19	Exploiting big earth data from space â€“ first experiences with the timescan processing chain. Big Earth Data, 2018, 2, 36-55.	4.4	36
20	New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products. Sustainability, 2019, 11, 6056.	3.2	33
21	A Novel Partially Supervised Approach to Targeted Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 5016-5038.	6.3	26
22	Towards a Large-Scale 3D Modeling of the Built Environmentâ€”Joint Analysis of TanDEM-X, Sentinel-2 and Open Street Map Data. Remote Sensing, 2020, 12, 2391.	4.0	24
23	An Automatic System for the Analysis and Classification of Human Atrial Fibrillation Patterns from Intracardiac Electrograms. IEEE Transactions on Biomedical Engineering, 2008, 55, 2275-2285.	4.2	22
24	Digital world meets urban planet â€“ new prospects for evidence-based urban studies arising from joint exploitation of big earth data, information technology and shared knowledge. International Journal of Digital Earth, 2020, 13, 136-157.	3.9	19
25	Space-time susceptibility modeling of hydro-morphological processes at the Chinese national scale. Engineering Geology, 2022, 301, 106586.	6.3	19
26	Variability of urban surface temperatures and implications for aerodynamic energy exchange in unstable conditions. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1719-1741.	2.7	17
27	High-Resolution Gridded Population Datasets: Exploring the Capabilities of the World Settlement Footprint 2019 Imperviousness Layer for the African Continent. Remote Sensing, 2021, 13, 1142.	4.0	15
28	Preface "Earth observation for land-atmosphere interaction science". Biogeosciences, 2013, 10, 261-266.	3.3	13
29	Effects on the Double Bounce Detection in Urban Areas Based on SAR Polarimetric Characteristics. Remote Sensing, 2020, 12, 1187.	4.0	9
30	Integration of earth observation and census data for mapping a multi-temporal flood vulnerability index: a case study on Northeast Italy. Natural Hazards, 2021, 106, 2163-2184.	3.4	9
31	The agglomeration and dispersion dichotomy of human settlements on Earth. Scientific Reports, 2021, 11, 23289.	3.3	9
32	Towards an Improved Large-Scale Gridded Population Dataset: A Pan-European Study on the Integration of 3D Settlement Data into Population Modelling. Remote Sensing, 2022, 14, 325.	4.0	7
33	Urban monitoring in support of sustainable cities. , 2015, , .		6
34	Urban air pollution exposure: an assessment exploiting world settlement footprint and land use data. , 2021, , .		0