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	World Settlement Footprint 3D - A first three-dimensional survey of the global building stock. Remote Sensing of Environment, 2022, 270, 112877.	11.0	64
2	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
3	Space-time susceptibility modeling of hydro-morphological processes at the Chinese national scale. Engineering Geology, 2022, 301, 106586.	6.3	19
4	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
5	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
6	Urban air pollution exposure: an assessment exploiting world settlement footprint and land use data. , 2021, , .		0
7	The agglomeration and dispersion dichotomy of human settlements on Earth. Scientific Reports, 2021, 11, 23289.	3.3	9
8	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
9	Outlining where humans live, the World Settlement Footprint 2015. Scientific Data, 2020, 7, 242.	5.3	142
10	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
11	Effects on the Double Bounce Detection in Urban Areas Based on SAR Polarimetric Characteristics. Remote Sensing, 2020, 12, 1187.	4.0	9
12	New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products. Sustainability, 2019, 11, 6056.	3.2	33
13	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
14	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
15	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
16	Where We Liveâ€”A Summary of the Achievements and Planned Evolution of the Global Urban Footprint. Remote Sensing, 2018, 10, 895.	4.0	70
17	Exploiting big earth data from space â€“ first experiences with the timescan processing chain. Big Earth Data, 2018, 2, 36-55.	4.4	36
18	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

#	Article	IF	Citations
19	Urban monitoring in support of sustainable cities. , 2015, , .		6
20	Semi-supervised SVM for individual tree crown species classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 110, 77-87.	11.1	51
21	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
22	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
23	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
24	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
25	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
26	Preface "Earth observation for land-atmosphere interaction science". Biogeosciences, 2013, 10, 261-266.	3.3	13
27	A Novel Partially Supervised Approach to Targeted Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 5016-5038.	6.3	26
28	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
29	A Composite Semisupervised SVM for Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 234-238.	3.1	123
30	Recent advances in techniques for hyperspectral image processing. Remote Sensing of Environment, 2009, 113, S110-S122.	11.0	1,452
31	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
32	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
33	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
34	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