

Francesco Nex

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,742
citations

331538

21
h-index

330025

37
g-index

63
all docs

63
docs citations

63
times ranked

3818
citing authors

#	ARTICLE	IF	CITATIONS
1	Embedding artificial intelligence in society: looking beyond the EU AI master plan using the culture cycle. <i>AI and Society</i> , 2023, 38, 1465-1484.	3.1	5
2	Scaling up UAVs for land administration: Towards the plateau of productivity. <i>Land Use Policy</i> , 2022, 114, 105930.	2.5	10
3	LISU: Low-light indoor scene understanding with joint learning of reflectance restoration. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 183, 470-481.	4.9	6
4	UAV in the advent of the twenties: Where we stand and what is next. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 184, 215-242.	4.9	97
5	CNN-Based Dense Monocular Visual SLAM for Real-Time UAV Exploration in Emergency Conditions. <i>Drones</i> , 2022, 6, 79.	2.7	27
6	Training a Disaster Victim Detection Network for UAV Search and Rescue Using Harmonious Composite Images. <i>Remote Sensing</i> , 2022, 14, 2977.	1.8	14
7	MultEYE: Monitoring System for Real-Time Vehicle Detection, Tracking and Speed Estimation from UAV Imagery on Edge-Computing Platforms. <i>Remote Sensing</i> , 2021, 13, 573.	1.8	45
8	Self-supervised monocular depth estimation from oblique UAV videos. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 176, 1-14.	4.9	22
9	Real-time Semantic Segmentation with Context Aggregation Network. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 178, 124-134.	4.9	48
10	Use of UAV-based photogrammetry products for semi-automatic detection and classification of asphalt road damage in landslide-affected areas. <i>Engineering Geology</i> , 2021, 294, 106363.	2.9	33
11	High-Quality UAV-Based Orthophotos for Cadastral Mapping: Guidance for Optimal Flight Configurations. <i>Remote Sensing</i> , 2020, 12, 3625.	1.8	21
12	Detection of seismic façade damages with multi-temporal oblique aerial imagery. <i>GIScience and Remote Sensing</i> , 2020, 57, 670-686.	2.4	13
13	Accuracy assessment of real-time kinematics (RTK) measurements on unmanned aerial vehicles (UAV) for direct geo-referencing. <i>Geo-Spatial Information Science</i> , 2020, 23, 165-181.	2.4	52
14	UAV-Based Structural Damage Mapping: A Review. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 14.	1.4	107
15	Post-Disaster Building Damage Detection from Earth Observation Imagery Using Unsupervised and Transferable Anomaly Detecting Generative Adversarial Networks. <i>Remote Sensing</i> , 2020, 12, 4193.	1.8	24
16	Co-registration of panoramic mobile mapping images and oblique aerial images. <i>Photogrammetric Record</i> , 2019, 34, 148-173.	0.4	5
17	UAV-g 2019: Unmanned Aerial Vehicles in Geomatics. <i>Drones</i> , 2019, 3, 74.	2.7	4
18	Preface: Latest Developments, Methodologies, and Applications Based on UAV Platforms. <i>Drones</i> , 2019, 3, 26.	2.7	12

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19	Towards Real-Time Building Damage Mapping with Low-Cost UAV Solutions. <i>Remote Sensing</i> , 2019, 11, 287.	1.8	75
20	Structural Building Damage Detection with Deep Learning: Assessment of a State-of-the-Art CNN in Operational Conditions. <i>Remote Sensing</i> , 2019, 11, 2765.	1.8	97
21	A fully automatic approach to register mobile mapping and airborne imagery to support the correction of platform trajectories in GNSS-denied urban areas. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 141, 86-99.	4.9	21
22	Disaster damage detection through synergistic use of deep learning and 3D point cloud features derived from very high resolution oblique aerial images, and multiple-kernel-learning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 140, 45-59.	4.9	219
23	Preface: The use of remotely piloted aircraft systems (RPAS) in monitoring applications and management of natural hazards. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 3085-3087.	1.5	10
24	Multi-Resolution Feature Fusion for Image Classification of Building Damages with Convolutional Neural Networks. <i>Remote Sensing</i> , 2018, 10, 1636.	1.8	74
25	Usability of aerial video footage for 3-D scene reconstruction and structural damage assessment. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1583-1598.	1.5	22
26	Contextual classification using photometry and elevation data for damage detection after an earthquake event. <i>European Journal of Remote Sensing</i> , 2018, 51, 543-557.	1.7	7
27	Review article: the use of remotely piloted aircraft systems (RPASs) for natural hazards monitoring and management. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1079-1096.	1.5	116
28	Improving FOSS photogrammetric workflows for processing large image datasets. <i>Open Geospatial Data, Software and Standards</i> , 2017, 2, .	4.3	9
29	Review of the Current State of UAV Regulations. <i>Remote Sensing</i> , 2017, 9, 459.	1.8	358
30	Review of Automatic Feature Extraction from High-Resolution Optical Sensor Data for UAV-Based Cadastral Mapping. <i>Remote Sensing</i> , 2016, 8, 689.	1.8	114
31	An Image-Based Approach for the Co-Registration of Multi-Temporal UAV Image Datasets. <i>Remote Sensing</i> , 2016, 8, 779.	1.8	39
32	Land Cover Classification and Monitoring: the STEM Open Source Solution. <i>European Journal of Remote Sensing</i> , 2015, 48, 811-831.	1.7	5
33	Aerial multi-camera systems: Accuracy and block triangulation issues. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 233-246.	4.9	72
34	State of the art in high density image matching. <i>Photogrammetric Record</i> , 2014, 29, 144-166.	0.4	446
35	UAV for 3D mapping applications: a review. <i>Applied Geomatics</i> , 2014, 6, 1-15.	1.2	1,213
36	GIMPHI: a new integration approach for early impact assessment. <i>Applied Geomatics</i> , 2011, 3, 241-249.	1.2	7

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37	Performance Analysis of the SIFT Operator for Automatic Feature Extraction and Matching in Photogrammetric Applications. <i>Sensors</i> , 2009, 9, 3745-3766.	2.1	117
38	Review article: The use of remotely piloted aircraft systems (RPAS) for natural hazards monitoring and management. , 0, , .		3
39	TOWARDS LEARNING LOW-LIGHT INDOOR SEMANTIC SEGMENTATION WITH ILLUMINATION-INVARIANT FEATURES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B2-2021, 427-432.	0.2	2
40	SEMANTIC BUILDING FAÇADE SEGMENTATION FROM AIRBORNE OBLIQUE IMAGES. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2, 209-216.	0.0	2
41	SATELLITE IMAGE CLASSIFICATION OF BUILDING DAMAGES USING AIRBORNE AND SATELLITE IMAGE SAMPLES IN A DEEP LEARNING APPROACH. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2, 89-96.	0.0	58
42	DAMAGE DETECTION ON BUILDING FAÇADES USING MULTI-TEMPORAL AERIAL OBLIQUE IMAGERY. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2/W5, 29-36.	0.0	9
43	DEEP LEARNING FOR MONOCULAR DEPTH ESTIMATION FROM UAV IMAGES. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, V-2-2020, 451-458.	0.0	6
44	FULLY AUTOMATIC FEATURE-BASED REGISTRATION OF MOBILE MAPPING AND AERIAL NADIR IMAGES FOR ENABLING THE ADJUSTMENT OF MOBILE PLATFORM LOCATIONS IN GNSS-DENIED URBAN ENVIRONMENTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-1/W1, 317-323.	0.2	5
45	A GUIDED REGISTRATION STRATEGY EMPLOYING VIRTUAL PLANES TO OVERCOME NON-STANDARD GEOMETRIES “ USING THE EXAMPLE OF MOBILE MAPPING AND AERIAL OBLIQUE IMAGERY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2, 471-477.	0.2	2
46	MULTI-TEMPORAL CLASSIFICATION AND CHANGE DETECTION USING UAV IMAGES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2, 651-658.	0.2	4
47	SEMANTIC SEGMENTATION OF BUILDING IN AIRBORNE IMAGES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 35-42.	0.2	3
48	EFFICIENT FLIGHT PLANNING FOR BUILDING FAÇADE 3D RECONSTRUCTION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 495-502.	0.2	6
49	UAV-BASED CADASTRAL MAPPING: AN ASSESSMENT OF THE IMPACT OF FLIGHT PARAMETERS AND GROUND TRUTH MEASUREMENTS ON THE ABSOLUTE ACCURACY OF DERIVED ORTHOIMAGES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 613-617.	0.2	8
50	QUALITY ASSESSMENT OF COMBINED IMU/GNSS DATA FOR DIRECT GEOREFERENCING IN THE CONTEXT OF UAV-BASED MAPPING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W6, 355-361.	0.2	44
51	UAV-BASED STRUCTURAL DAMAGE MAPPING “ RESULTS FROM 6 YEARS OF RESEARCH IN TWO EUROPEAN PROJECTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W8, 187-194.	0.2	7
52	CO-REGISTRATION OF TERRESTRIAL AND UAV-BASED IMAGES “ EXPERIMENTAL RESULTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-3/W4, 11-18.	0.2	5
53	PREFACE “ ISPRS WORKSHOP ON UNMANNED AERIAL VEHICLES IN GEOMATICS (UAV-g 2019). <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2/W5, 85-86.	0.0	0
54	PREFACE “ ISPRS WORKSHOP ON UNMANNED AERIAL VEHICLES IN GEOMATICS (UAV-g 2019). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 163-164.	0.2	0

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55	CORRECTION OF MOBILE MAPPING TRAJECTORIES IN GNSS-DENIED ENVIRONMENTS USING AERIAL NADIR AND AERIAL OBLIQUE IMAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1649-1654.	0.2	0
56	INFRASTRUCTURE DEGRADATION AND POST-DISASTER DAMAGE DETECTION USING ANOMALY DETECTING GENERATIVE ADVERSARIAL NETWORKS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 573-582.	0.0	4
57	AUTOMATED CO-REGISTRATION OF INTRA-EPOCH AND INTER-EPOCH SERIES OF MULTISPECTRAL UAV IMAGES FOR CROP MONITORING. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-1-2020, 309-316.	0.0	0
58	MICRO AND MACRO QUADCOPTER DRONES FOR INDOOR MAPPING TO SUPPORT DISASTER MANAGEMENT. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-1-2022, 203-210.	0.0	5
59	EXPLORING THE POTENTIALS OF UAV PHOTOGRAMMETRIC POINT CLOUDS IN FAÇADE DETECTION AND 3D RECONSTRUCTION OF BUILDINGS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2022, 433-440.	0.2	0
60	UNSUPERVISED HARMONIOUS IMAGE COMPOSITION FOR DISASTER VICTIM DETECTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 1189-1196.	0.2	2