Adriano Mancini

List of Publications by Year
in descending order

132	2,052	331670 21	345221 36
papers	citations	h-index	g-index

139	139	139	1897
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From knowledge-based to big data analytic model: a novel IoT and machine learning based decision support system for predictive maintenance in Industry 4.0. Journal of Intelligent Manufacturing, 2023, 34, 107-121.	7.3	38
2	Addressing Gaps in Small-Scale Fisheries: A Low-Cost Tracking System. Sensors, 2022, 22, 839.	3.8	16
3	Functional Analysis for Habitat Mapping in a Special Area of Conservation Using Sentinel-2 Time-Series Data. Remote Sensing, 2022, 14, 1179.	4.0	4
4	A Novel Remote Visual Inspection System for Bridge Predictive Maintenance. Remote Sensing, 2022, 14, 2248.	4.0	15
5	A Machine Learning Approach to Extract Rock Mass Discontinuity Orientation and Spacing, from Laser Scanner Point Clouds. Remote Sensing, 2022, 14, 2365.	4.0	10
6	Tourism destination management using sentiment analysis and geo-location information: a deep learning approach. Information Technology and Tourism, 2021, 23, 241-264.	5.8	22
7	WaterbalANce, a WebApp for Thornthwaiteâ€“Mather Water Balance Computation: Comparison of Applications in Two European Watersheds. Hydrology, 2021, 8, 34.	3.0	17
8	A Synergic Integration of AIS Data and SAR Imagery to Monitor Fisheries and Detect Suspicious Activities. Sensors, 2021, 21, 2756.	3.8	16
9	Is There Daily Growth Hysteresis versus Vapor Pressure Deficit in Cherry Fruit?. Horticulturae, 2021, 7, 131.	2.8	5
10	AIS data, a mine of information on trawling fleet mobility in the Mediterranean Sea. Marine Policy, 2021, 129, 104571.	3.2	7
11	Urban water-energy-food-climate nexus in integrated wastewater and reuse systems: Cyber-physical framework and innovations. Applied Energy, 2021, 298, 117268.	10.1	34
12	Continuous Monitoring of Olive Fruit Growth by Automatic Extensimeter in Response to Vapor Pressure Deficit from Pit Hardening to Harvest. Horticulturae, 2021, 7, 349.	2.8	7
13	3D Human Pose Estimation Based on Multi-Input Multi-Output Convolutional Neural Network and Event Cameras: A Proof of Concept on the DHP19 Dataset. Lecture Notes in Computer Science, 2021, , 14-25.	1.3	1
14	Water-Energy-Food-Climate Nexus in an Integrated Peri-Urban Wastewater Treatment and Reuse System: From Theory to Practice. Sustainability, 2021, 13, 10952.	3.2	12
15	A Feature Encoding Approach and a Cloud Computing Architecture to Map Fishing Activities. , 2021, , .		5
16	A low-cost and low-burden secure solution to track small-scale fisheries. , 2021, , .		3
17	Machine learning-based design support system for the prediction of heterogeneous machine parameters in industry 4.0. Expert Systems With Applications, 2020, 140, 112869.	7.6	61
18	A Decision Support System for Diabetes Chronic Care Models Based on General Practitioner Engagement and EHR Data Sharing. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-12.	3.7	11

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19	Recognition and Characterization of Forest Plant Communities through Remote-Sensing NDVI Time Series. Diversity, 2020, 12, 313.	1.7	13
20	CREATEFORUAS: Developing Innovative Technologies for Autonomous UAS. , 2020, , .		0
21	Deep understanding of shopper behaviours and interactions using RGB-D vision. Machine Vision and Applications, 2020, 31, 1.	2.7	22
22	Mapping Mediterranean Forest Plant Associations and Habitats with Functional Principal Component Analysis Using Landsat 8 NDVI Time Series. Remote Sensing, 2020, 12, 1132.	4.0	25
23	Sharing health data among general practitioners: The Nu.Sa. project. International Journal of Medical Informatics, 2019, 129, 267-274.	3.3	7
24	Deep Learning for Soil and Crop Segmentation from Remotely Sensed Data. Remote Sensing, 2019, 11, 1859.	4.0	44
25	Challenges of multi/hyper spectral images in precision agriculture applications. IOP Conference Series: Earth and Environmental Science, 2019, 275, 012001.	0.3	4
26	Robotic retail surveying by deep learning visual and textual data. Robotics and Autonomous Systems, 2019, 118, 179-188.	5.1	32
27	Empowered Optical Inspection by Using Robotic Manipulator in Industrial Applications. , 2019, , .		1
28	Semantic 3D Object Maps for Everyday Robotic Retail Inspection. Lecture Notes in Computer Science, 2019, , 263-274.	1.3	6
29	An IOT Edge-Fog-Cloud Architecture for Vision Based Pallet Integrity. Lecture Notes in Computer Science, 2019, , 296-306.	1.3	2
30	A Cloud Computing Architecture to Map Trawling Activities Using Positioning Data. , 2019, , .		6
31	From Artificial Intelligence and Databases to Cognitive Computing: Past and Future Computer Engineering Research at UNIVPM. , 2019, , 101-121.		0
32	Mechatronic System to Help Visually Impaired Users During Walking and Running. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 649-660.	8.0	47
33	Design and test of a real-time shelf out-of-stock detector system. Microsystem Technologies, 2018, 24, 1369-1377.	2.0	3
34	Modelling and Forecasting Customer Navigation in Intelligent Retail Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 165-180.	3.4	37
35	A methodological approach to fully automated highly accelerated life tests. Microsystem Technologies, 2018, 24, 1401-1411.	2.0	4
36	A Synergic Photometric Stereo and Super Resolution Approach for Optical Inspection. , 2018, , .		2

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37	Improving Variable Rate Treatments by Integrating Aerial and Ground Remotely Sensed Data. , 2018, , .		5
38	Machine Learning approach for Predictive Maintenance in Industry 4.0. , 2018, , .		123
39	An IoT Solution for Energy Management at Building and District Level. , 2018, , .		2
40	Building detection in multi-source aerial data with imbalanced training samples: an approach based on the Bayesian Vector Quantizer. International Journal of Image and Data Fusion, 2017, , 1-25.	1.7	0
41	Integrating elevation data and multispectral high-resolution images for an improved hybrid Land Use/Land Cover mapping. European Journal of Remote Sensing, 2017, 50, 1-17.	3.5	23
42	Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration. Lecture Notes in Computer Science, 2017, , 1-11.	1.3	16
43	Soil / crop segmentation from remotely sensed data acquired by Unmanned Aerial System. , 2017, , .		4
44	Vehicle Tracking and Classification From Videos Under Illumination Changes and Occlusions. , 2017, , .		0
45	Mobile robot for retail surveying and inventory using visual and textual analysis of monocular pictures based on deep learning. , 2017, , .		34
46	IoT Architecture for the Processing of Data Collected by a Central Vacuum Cleaner. , 2017, , .		0
47	Robotic platform for deep change detection for rail safety and security. , 2017, , .		17
48	Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. ISPRS International Journal of Geo-Information, 2017, 6, 41.	2.9	20
49	An Intelligent RGB-D Video System for Bus Passenger Counting. Advances in Intelligent Systems and Computing, 2017, , 473-484.	0.6	6
50	Pervasive System for Consumer Behaviour Analysis in Retail Environments. Lecture Notes in Computer Science, 2017, , 12-23.	1.3	9
51	Remote Touch Interaction with High Quality Models Using an Autostereoscopic 3D Display. Lecture Notes in Computer Science, 2017, , 478-489.	1.3	2
52	Smart maintenance of riverbanks using a standard data layer and Augmented Reality. Computers and Geosciences, 2016, 95, 67-74.	4.2	21
53	A multi/hyper-spectral imaging system for land use/land cover using unmanned aerial systems. , 2016, , .		9
54	Implementation of a tracking system based on UWB technology in a retail environment. , 2016, , .		14

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55	An integrated mobility system using real-time data for traffic simulation. , 2016, , .		3
56	Analysing human movements at mass events: A novel mobile-based management system based on active beacons and AVM. , 2016, , .		4
57	Robust and affordable retail customer profiling by vision and radio beacon sensor fusion. Pattern Recognition Letters, 2016, 81, 30-40.	4.2	66
58	Multi-Point Stereovision System for Contactless Dimensional Measurements. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 273-284.	3.4	5
59	Visual Based Landing for an Unmanned Quadrotor. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 511-528.	3.4	19
60	Accurate modeling of the microwave treatment in reverberating chamber. sanitation of agro food material. , 2015, , .		1
61	Energy Harvesting Smart Floor for Indoor People Localization and Tracking. , 2015, , .		0
62	Embedded Vision Sensor Network for Planogram Maintenance in Retail Environments. Sensors, 2015, 15, 21114-21133.	3.8	17
63	Development of a low-cost Unmanned Surface Vehicle for digital survey. , 2015, , .		6
64	Human activity analysis for in-home fall risk assessment. , 2015, , .		11
65	Non-Contact Monitoring of Preterm Infants Using RGB-D Camera. , 2015, , .		16
66	Automatic Classification for Anti Mixup Events in Advanced Manufacturing System. , 2015, , .		9
67	Exposure protocol setup for agro food treatment. Method and system for developing an application for heating in reverberation chamber. , 2015, , .		2
68	Embedded Multisensor System for Safe Point-to-Point Navigation of Impaired Users. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3543-3555.	8.0	22
69	High-resolution mapping of river and estuary areas by using unmanned aerial and surface platforms. , 2015, , .		21
70	Using multibeam echosounder datafor a GIS-ready seafloor characterization in the Adriatic Sea. , 2015, , .		0
71	Low cost embedded system for increasing retail environment intelligence. , 2015, , .		22
72	Information Management for Intelligent Retail Environment: The Shelf Detector System. Information (Switzerland), 2014, 5, 255-271.	2.9	19

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73	SIT-REM: An Interoperable and Interactive Web Geographic Information System for Fauna, Flora and Plant Landscape Data Management. ISPRS International Journal of Geo-Information, 2014, 3, 853-867.	2.9	8
74	Indoor people localization and tracking using an energy harvesting smart floor. , 2014, , .		6
75	Real time out of shelf detection using embedded sensor network. , 2014, , .		1
76	Testing of cooperative tasks for Unmanned Aerial and ground platforms. , 2014, , .		7
77	Point to point navigation for people with mobility impairments. , 2014, , .		7
78	Unmanned Ground and Aerial Vehicles in extended range indoor and outdoor missions. , 2014, , .		21
79	RGBD Sensors for Human Activity Detection in AAL Environments. , 2014, , 127-135.		7
80	GPU acceleration of feature extraction and matching algorithms. , 2014, , .		4
81	Autonomous navigation, landing and recharge of a quadrotor using artificial vision. , 2014, , .		39
82	A stereovision system for dimensional measurements in industrial robotics applications. , 2014, , .		4
83	FEATURE GROUP MATCHING: A NOVEL METHOD TO FILTER OUT INCORRECT LOCAL FEATURE MATCHINGS. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450012.	1.2	9
84	Shopper Analytics: A Customer Activity Recognition System Using a Distributed RGB-D Camera Network. Lecture Notes in Computer Science, 2014, , 146-157.	1.3	35
85	Development of intelligent service robots. Intelligenza Artificiale, 2013, 7, 139-152.	1.6	3
86	An IMU/UWB/Vision-based Extended Kalman Filter for Mini-UAV Localization in Indoor Environment using 802.15.4a Wireless Sensor Network. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 461-476.	3.4	120
87	Design and test of a precise mobile GPS tracker. , 2013, , .		2
88	GIS-Supported Decision Making. SpringerBriefs in Applied Sciences and Technology, 2013, , 19-32.	0.4	0
89	Road pavement crack automatic detection by MMS images. , 2013, , .		17
90	Energy Harvesting for Smart Shoes: A Real Life Application. , 2013, , .		9

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91	Smart Vision System for Shelf Analysis in Intelligent Retail Environments. , 2013, , .		15
92	Customersâ€™ Activity Recognition in Intelligent Retail Environments. Lecture Notes in Computer Science, 2013, , 509-516.	1.3	24
93	Decision Environment of Renewable Energy: The Case of Geothermal Energy. SpringerBriefs in Applied Sciences and Technology, 2013, , 3-17.	0.4	1
94	A Novel Method for Fast Processing of Large Remote Sensed Image. Lecture Notes in Computer Science, 2013, , 409-418.	1.3	3
95	GIS-Supported Decision Making for Low-Temperature Geothermal Energy in Central Italy. SpringerBriefs in Applied Sciences and Technology, 2013, , 35-38.	0.4	0
96	A Biased Extended Kalman Filter for Indoor Localization of a Mobile Agent using Low-Cost IMU and UWB Wireless Sensor Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 735-740.	0.4	30
97	Summarization of echo-Doppler videos for computer-aided diagnosis. , 2012, , .		0
98	Automatic road object extraction from Mobile Mapping Systems. , 2012, , .		9
99	A Modular Framework for Fast Prototyping of Cooperative Unmanned Aerial Vehicle. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 507-520.	3.4	7
100	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 157-168.	3.4	47
101	GIS-based energy-economic model of low temperature geothermal resources: A case study in the Italian Marche region. Renewable Energy, 2011, 36, 2474-2483.	8.9	48
102	A simulation framework for coalition formation of Unmanned Aerial Vehicles. , 2011, , .		5
103	Hybrid object-based approach for land use/land cover mapping using high spatial resolution imagery. International Journal of Geographical Information Science, 2011, 25, 1025-1043.	4.8	58
104	Coalition Formation for Unmanned Quadrotors. , 2011, , .		2
105	UAVs Safe Landing Using Range Images. , 2011, , .		1
106	A Modular Framework for Fast Prototyping of Cooperative Unmanned Aerial Vehicle. , 2011, , 507-520.		0
107	A Vision-Based Guidance System for UAV Navigation and Safe Landing using Natural Landmarks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2010, 57, 233-257.	3.4	165
108	Performance evaluation of automated approaches to building detection in multi-source aerial data. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 123-133.	11.1	89

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109	Pixel, object and hybrid classification comparisons. Journal of Spatial Science, 2010, 55, 43-54.	1.5	14
110	Robot localization in urban environments using omnidirectional vision sensors and partial heterogeneous apriori knowledge. , 2010, , .		2
111	Autonomous safe landing of a vision guided helicopter. , 2010, , .		6
112	Road Change Detection from Multi-Spectral Aerial Data. , 2010, , .		4
113	Wireless sensor network for exhausted oil collection management. , 2010, , .		1
114	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications. , 2010, , 157-168.		1
115	Stability maps for really exploitable automatic classification results. , 2009, , .		0
116	RoboBuntu: A Linux distribution for mobile robotics. , 2009, , .		1
117	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 307-329.	3.4	17
118	A Winner Takes All mechanism for automatic object extraction from multi-source data. , 2009, , .		7
119	Vision-based autonomous navigation and landing of an unmanned aerial vehicle using natural landmarks. , 2009, , .		17
120	A Hybrid Approach to Land Cover Classification from Multi Spectral Images. Lecture Notes in Computer Science, 2009, , 500-508.	1.3	6
121	Particle Clustering to Improve Omnidirectional Localization in Outdoor Environments. , 2009, , .		1
122	Robot localization using omnidirectional vision in large and dynamic outdoor environments. , 2008, , .		3
123	A scalable telemedicine architecture for under developed countries. A case study: Democratic Republic of Congo. , 2008, , .		0
124	Feature group matching for appearance-based localization. , 2008, , .		31
125	From Simulated to Real Scenarios: A Framework for Multi-UAVs. Lecture Notes in Computer Science, 2008, , 17-28.	1.3	3
126	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. , 2008, , 307-329.		5

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127	Prototype UAV helicopter working in cooperative environments. , 2007, , .		5
128	Vision based approach for active selection of robot’s localization action. , 2007, , .		2
129	Safe flying for an UAV helicopter. , 2007, , .		16
130	Autonomous Helicopter for Surveillance and Security. , 2007, , .		1
131	A framework for simulations and tests of mobile robotics tasks. , 2006, , .		16
132	FAST MOBILE ROBOT LOCALIZATION USING LOW COST SENSORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 358-363.	0.4	3