

# Primo Zingaretti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5128640/publications.pdf>

Version: 2024-02-01

155  
papers

1,969  
citations

361413

20  
h-index

361022

35  
g-index

160  
all docs

160  
docs citations

160  
times ranked

1659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Approaches for Fashion Knowledge Extraction From Social Media: A Review. IEEE Access, 2022, 10, 1545-1576.	4.2	12
2	Weight Estimation from an RGB-D camera in top-view configuration. , 2021, , .		0
3	People Counting on Low Cost Embedded Hardware During the SARS-CoV-2 Pandemic. Lecture Notes in Computer Science, 2021, , 521-533.	1.3	2
4	Mo.Se.: Mosaic image segmentation based on deep cascading learning. Virtual Archaeology Review, 2021, 12, 25.	1.9	12
5	Optimal stock control and procurement by reusing of obsolescences in manufacturing. Computers and Industrial Engineering, 2020, 148, 106697.	6.3	6
6	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
7	Deep understanding of shopper behaviours and interactions using RGB-D vision. Machine Vision and Applications, 2020, 31, 1.	2.7	22
8	Automatic Faults Detection of Photovoltaic Farms: solAlr, a Deep Learning-Based System for Thermal Images. Energies, 2020, 13, 6496.	3.1	47
9	Sharing health data among general practitioners: The Nu.Sa. project. International Journal of Medical Informatics, 2019, 129, 267-274.	3.3	7
10	Deep Learning for Soil and Crop Segmentation from Remotely Sensed Data. Remote Sensing, 2019, 11, 1859.	4.0	44
11	Challenges of multi/hyper spectral images in precision agriculture applications. IOP Conference Series: Earth and Environmental Science, 2019, 275, 012001.	0.3	4
12	An IoT Edge-Fog-Cloud Architecture for Vision Based Planogram Integrity. , 2019, , .		2
13	Robotic retail surveying by deep learning visual and textual data. Robotics and Autonomous Systems, 2019, 118, 179-188.	5.1	32
14	Semantic 3D Object Maps for Everyday Robotic Retail Inspection. Lecture Notes in Computer Science, 2019, , 263-274.	1.3	6
15	An IOT Edge-Fog-Cloud Architecture for Vision Based Pallet Integrity. Lecture Notes in Computer Science, 2019, , 296-306.	1.3	2
16	From Artificial Intelligence and Databases to Cognitive Computing: Past and Future Computer Engineering Research at UNIVPM. , 2019, , 101-121.		0
17	Introduction to the Special Issue on Applications of Mechatronic and Embedded Systems (MESA) in ITS. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 530-532.	8.0	2
18	Mechatronic System to Help Visually Impaired Users During Walking and Running. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 649-660.	8.0	47

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19	Design and test of a real-time shelf out-of-stock detector system. <i>Microsystem Technologies</i> , 2018, 24, 1369-1377.	2.0	3
20	Mechatronic and Embedded Systems for Robotics and Mobile Machines. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 91, 135-136.	3.4	0
21	A methodological approach to fully automated highly accelerated life tests. <i>Microsystem Technologies</i> , 2018, 24, 1401-1411.	2.0	4
22	A Synergic Photometric Stereo and Super Resolution Approach for Optical Inspection. , 2018, , .		2
23	Convolutional Networks for Semantic Heads Segmentation using Top-View Depth Data in Crowded Environment. , 2018, , .		31
24	Person Re-Identification with RGB-D Camera in Top-View Configuration through Multiple Nearest Neighbor Classifiers and Neighborhood Component Features Selection. <i>Sensors</i> , 2018, 18, 3471.	3.8	27
25	Improving Variable Rate Treatments by Integrating Aerial and Ground Remotely Sensed Data. , 2018, , .		5
26	An IoT Solution for Energy Management at Building and District Level. , 2018, , .		2
27	Automatic Mosaic Digitalization: a Deep Learning approach to tessera segmentation. , 2018, , .		5
28	Shelf space re-allocation for out of stock reduction. <i>Computers and Industrial Engineering</i> , 2017, 106, 32-40.	6.3	21
29	Building detection in multi-source aerial data with imbalanced training samples: an approach based on the Bayesian Vector Quantizer. <i>International Journal of Image and Data Fusion</i> , 2017, , 1-25.	1.7	0
30	Integrating elevation data and multispectral high-resolution images for an improved hybrid Land Use/Land Cover mapping. <i>European Journal of Remote Sensing</i> , 2017, 50, 1-17.	3.5	23
31	Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration. <i>Lecture Notes in Computer Science</i> , 2017, , 1-11.	1.3	16
32	Visual and Textual Sentiment Analysis of Brand-Related Social Media Pictures Using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 402-413.	1.3	24
33	Soil / crop segmentation from remotely sensed data acquired by Unmanned Aerial System. , 2017, , .		4
34	Mobile robot for retail surveying and inventory using visual and textual analysis of monocular pictures based on deep learning. , 2017, , .		34
35	People Detection and Tracking from an RGB-D Camera in Top-View Configuration: Review of Challenges and Applications. <i>Lecture Notes in Computer Science</i> , 2017, , 207-218.	1.3	26
36	Design of an interoperable framework with domotic sensors network integration. , 2017, , .		3

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37	HDOMO: Smart Sensor Integration for an Active and Independent Longevity of the Elderly. <i>Sensors</i> , 2017, 17, 2610.	3.8	15
38	Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 41.	2.9	20
39	An Intelligent RGB-D Video System for Bus Passenger Counting. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 473-484.	0.6	6
40	Pervasive System for Consumer Behaviour Analysis in Retail Environments. <i>Lecture Notes in Computer Science</i> , 2017, , 12-23.	1.3	9
41	HMM-based Activity Recognition with a Ceiling RGB-D Camera. , 2017, , .		6
42	Smart maintenance of riverbanks using a standard data layer and Augmented Reality. <i>Computers and Geosciences</i> , 2016, 95, 67-74.	4.2	21
43	Optimal production planning by reusing components. , 2016, , .		2
44	A cloud-based healthcare infrastructure for medical device integration: The bilirubinometer case study. , 2016, , .		3
45	A multi/hyper-spectral imaging system for land use/land cover using unmanned aerial systems. , 2016, , .		9
46	Cyberarchaeology: Improved Way Findings for Archaeological Parks Through Mobile Augmented Reality. <i>Lecture Notes in Computer Science</i> , 2016, , 172-185.	1.3	9
47	Implementation of a tracking system based on UWB technology in a retail environment. , 2016, , .		14
48	Analysing human movements at mass events: A novel mobile-based management system based on active beacons and AVM. , 2016, , .		4
49	Robust and affordable retail customer profiling by vision and radio beacon sensor fusion. <i>Pattern Recognition Letters</i> , 2016, 81, 30-40.	4.2	66
50	Current Developments in Robotics and Mobile Machines. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 81, 167-168.	3.4	0
51	Multi-Point Stereovision System for Contactless Dimensional Measurements. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 81, 273-284.	3.4	5
52	Visual Based Landing for an Unmanned Quadrotor. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 84, 511-528.	3.4	19
53	Accurate modeling of the microwave treatment in reverberating chamber. sanitation of agro food material. , 2015, , .		1
54	Energy Harvesting Smart Floor for Indoor People Localization and Tracking. , 2015, , .		0

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55	Embedded Vision Sensor Network for Planogram Maintenance in Retail Environments. Sensors, 2015, 15, 21114-21133.	3.8	17
56	Introduction to the Special Issue on Mechatronic and Embedded Systems and Applications in ITS. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3479-3481.	8.0	0
57	Development of a low-cost Unmanned Surface Vehicle for digital survey. , 2015, , .		6
58	Human activity analysis for in-home fall risk assessment. , 2015, , .		11
59	Non-Contact Monitoring of Preterm Infants Using RGB-D Camera. , 2015, , .		16
60	Automatic Classification for Anti Mixup Events in Advanced Manufacturing System. , 2015, , .		9
61	Exposure protocol setup for agro food treatment. Method and system for developing an application for heating in reverberation chamber. , 2015, , .		2
62	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
63	High-resolution mapping of river and estuary areas by using unmanned aerial and surface platforms. , 2015, , .		21
64	Low cost embedded system for increasing retail environment intelligence. , 2015, , .		22
65	Making Visible the Invisible. Augmented Reality Visualization for 3D Reconstructions of Archaeological Sites. Lecture Notes in Computer Science, 2015, , 25-37.	1.3	26
66	Advanced Interaction with Paintings by Augmented Reality and High Resolution Visualization: A Real Case Exhibition. Lecture Notes in Computer Science, 2015, , 38-50.	1.3	20
67	Information Management for Intelligent Retail Environment: The Shelf Detector System. Information (Switzerland), 2014, 5, 255-271.	2.9	19
68	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
69	Interoperability issues among smart home technological frameworks. , 2014, , .		21
70	A real-time reliability and durability testing framework. , 2014, , .		1
71	Real time out of shelf detection using embedded sensor network. , 2014, , .		1
72	Point to point navigation for people with mobility impairments. , 2014, , .		7

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73	Advanced integration of multimedia assistive technologies: A prospective outlook. , 2014, , .		4
74	Unmanned Ground and Aerial Vehicles in extended range indoor and outdoor missions. , 2014, , .		21
75	An automatic analysis of shoppers behaviour using a distributed RGB-D cameras system. , 2014, , .		7
76	Security issues for data sharing and service interoperability in eHealth systems: The Nu.Sa. test bed. , 2014, , .		7
77	RGBD Sensors for Human Activity Detection in AAL Environments. , 2014, , 127-135.		7
78	GPU acceleration of feature extraction and matching algorithms. , 2014, , .		4
79	A stereovision system for dimensional measurements in industrial robotics applications. , 2014, , .		4
80	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
81	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
82	Design and test of a precise mobile GPS tracker. , 2013, , .		2
83	Road pavement crack automatic detection by MMS images. , 2013, , .		17
84	Energy Harvesting for Smart Shoes: A Real Life Application. , 2013, , .		9
85	Smart Vision System for Shelf Analysis in Intelligent Retail Environments. , 2013, , .		15
86	Customersâ€™ Activity Recognition in Intelligent Retail Environments. Lecture Notes in Computer Science, 2013, , 509-516.	1.3	24
87	A Novel Method for Fast Processing of Large Remote Sensed Image. Lecture Notes in Computer Science, 2013, , 409-418.	1.3	3
88	Summarization of echo-Doppler videos for computer-aided diagnosis. , 2012, , .		0
89	Automatic road object extraction from Mobile Mapping Systems. , 2012, , .		9
90	Efficient Traffic Simulation Using Busses as Active Sensor Network. , 2011, , .		7

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91	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
92	A simulation framework for coalition formation of Unmanned Aerial Vehicles. , 2011, , .		5
93	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
94	Coalition Formation for Unmanned Quadrotors. , 2011, , .		2
95	UAVs Safe Landing Using Range Images. , 2011, , .		1
96	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
97	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
98	Pixel, object and hybrid classification comparisons. Journal of Spatial Science, 2010, 55, 43-54.	1.5	14
99	LCLU information system for object-oriented nomenclature. , 2010, , .		0
100	Robot localization in urban environments using omnidirectional vision sensors and partial heterogeneous apriori knowledge. , 2010, , .		2
101	Autonomous safe landing of a vision guided helicopter. , 2010, , .		6
102	Road Change Detection from Multi-Spectral Aerial Data. , 2010, , .		4
103	Wireless sensor network for exhausted oil collection management. , 2010, , .		1
104	A framework based on vision sensors for the automatic management of exchange parking areas. , 2010, , .		4
105	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications. , 2010, , 157-168.		1
106	Stability maps for really exploitable automatic classification results. , 2009, , .		0
107	RoboBuntu: A Linux distribution for mobile robotics. , 2009, , .		1
108	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

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109	A Winner Takes All mechanism for automatic object extraction from multi-source data. , 2009, , .		7
110	Vision-based autonomous navigation and landing of an unmanned aerial vehicle using natural landmarks. , 2009, , .		17
111	A Hybrid Approach to Land Cover Classification from Multi Spectral Images. Lecture Notes in Computer Science, 2009, , 500-508.	1.3	6
112	Particle Clustering to Improve Omnidirectional Localization in Outdoor Environments. , 2009, , .		1
113	Robot localization using omnidirectional vision in large and dynamic outdoor environments. , 2008, , .		3
114	Feature group matching for appearance-based localization. , 2008, , .		31
115	From Simulated to Real Scenarios: A Framework for Multi-UAVs. Lecture Notes in Computer Science, 2008, , 17-28.	1.3	3
116	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. , 2008, , 307-329.		5
117	Prototype UAV helicopter working in cooperative environments. , 2007, , .		5
118	Comparison and fusion of vision and range measurements for robot pose estimation. , 2007, , .		0
119	Automatic extraction of LIDAR data classification rules. , 2007, , .		1
120	Vision based approach for active selection of robot's localization action. , 2007, , .		2
121	Visual feature group matching for autonomous robot localization. , 2007, , .		1
122	Safe flying for an UAV helicopter. , 2007, , .		16
123	Autonomous Helicopter for Surveillance and Security. , 2007, , .		1
124	A framework for simulations and tests of mobile robotics tasks. , 2006, , .		16
125	FAST MOBILE ROBOT LOCALIZATION USING LOW COST SENSORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 358-363.	0.4	3
126	Complete classification of raw LIDAR data and 3D reconstruction of buildings. Pattern Analysis and Applications, 2006, 8, 357-374.	4.6	119



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127	An efficient similarity metric for omnidirectional vision sensors. Robotics and Autonomous Systems, 2006, 54, 750-757.	5.1	8
128	Appearance based robotics. IEEE Robotics and Automation Magazine, 2006, 13, 59-68.	2.0	15
129	Vision and sonar sensor fusion for mobile robot localization in aliased environments. , 2006, , .		15
130	On Increasing the Objectiveness of Segmentation Results. , 1999, , 103-112.		3
131	Robust real-time detection of an underwater pipeline. Engineering Applications of Artificial Intelligence, 1998, 11, 257-268.	8.1	33
132	Route following based on adaptive visual landmark matching. Robotics and Autonomous Systems, 1998, 25, 177-184.	5.1	7
133	Fast chain coding of region boundaries. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 407-415.	13.9	37
134	<title>Unauthorized access identification in restricted areas</title>. , 1998, , .		0
135	Evolutionary image segmentation. Lecture Notes in Computer Science, 1997, , 247-254.	1.3	1
136	<title>Imaging approach to real-time tracking of submarine pipeline</title>. , 1996, , .		11
137	Real-time inspection by submarine images. Journal of Electronic Imaging, 1996, 5, 432.	0.9	14
138	<title>Quantitative analysis of retinal changes in hypertension</title>. , 1995, 2434, 548.		1
139	<title>Model attraction in medical image object recognition</title>. , 1995, , .		0
140	Multi-polygonal object tracking. Lecture Notes in Computer Science, 1995, , 465-470.	1.3	0
141	<title>Image sequence recognition</title>. , 1994, , .		3
142	<title>Retina vascular network recognition</title>. , 1993, , .		8
143	Segmentation-suggested geometric scheme. , 1993, , .		2
144	<title>Robust approach to ocular fundus image analysis</title>. , 1993, 1905, 638.		0

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145	The camerano study on hypertension: The problem of arterial hypertension in the elderly. Archives of Gerontology and Geriatrics, 1992, 15, 17-26.	3.0	4
146	<title>Decision support system for capillaroscopic images</title>. , 1991, 1450, 178.		1
147	A PROLOG APPROACH TO IMAGE SEGMENTATION. Applied Artificial Intelligence, 1988, 2, 307-331.	3.2	2
148	Automatic quantitative analysis of lumbar bone radiographs. , 0, , .		1
149	Attraction based recognition. , 0, , .		0
150	Automatic analysis of visual data in submarine pipeline inspection. , 0, , .		9
151	Landmark matching in a varying environment. , 0, , .		5
152	Underwater imaging system to support ROV guidance. , 0, , .		4
153	A comprehensive approach to image-contrast enhancement. , 0, , .		5
154	Image segmentation for appearance-based self-localisation. , 0, , .		0
155	A vision based algorithm for active robot localization. , 0, , .		13