

Domingo Mery

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

3,654
citations

186265

28
h-index

155660

55
g-index

139
all docs

139
docs citations

139
times ranked

2865
citing authors

#	ARTICLE	IF	CITATIONS
1	Color measurement in L ^a -a ^b -b ^a units from RGB digital images. Food Research International, 2006, 39, 1084-1091.	6.2	629
2	GDxray: The Database of X-ray Images for Nondestructive Testing. Journal of Nondestructive Evaluation, 2015, 34, 1.	2.4	259
3	Development of a computer vision system to measure the color of potato chips. Food Research International, 2006, 39, 1092-1098.	6.2	209
4	Segmentation of colour food images using a robust algorithm. Journal of Food Engineering, 2005, 66, 353-360.	5.2	120
5	Modern Computer Vision Techniques for X-Ray Testing in Baggage Inspection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 682-692.	9.3	117
6	Automated flaw detection in aluminum castings based on the tracking of potential defects in a radiosopic image sequence. IEEE Transactions on Automation Science and Engineering, 2002, 18, 890-901.	2.3	115
7	On Low-Resolution Face Recognition in the Wild: Comparisons and New Techniques. IEEE Transactions on Information Forensics and Security, 2019, 14, 2000-2012.	6.9	105
8	Automated fish bone detection using X-ray imaging. Journal of Food Engineering, 2011, 105, 485-492.	5.2	84
9	Automatic detection of welding defects using texture features. Insight: Non-Destructive Testing and Condition Monitoring, 2003, 45, 676-681.	0.6	82
10	Color development and acrylamide content of pre-dried potato chips. Journal of Food Engineering, 2007, 79, 786-793.	5.2	79
11	The impact of MEG source reconstruction method on source-space connectivity estimation: A comparison between minimum-norm solution and beamforming. NeuroImage, 2017, 156, 29-42.	4.2	79
12	Automated Detection of Threat Objects Using Adapted Implicit Shape Model. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 472-482.	9.3	78
13	A survey of land mine detection technology. International Journal of Remote Sensing, 2009, 30, 2399-2410.	2.9	69
14	Color kinetics and acrylamide formation in NaCl soaked potato chips. Journal of Food Engineering, 2007, 79, 989-997.	5.2	62
15	A real time visual sensor for supervision of flotation cells. Minerals Engineering, 1998, 11, 489-499.	4.3	58
16	Classification of Potato Chips Using Pattern Recognition. Journal of Food Science, 2004, 69, E264.	3.1	54
17	Automatic Defect Recognition in X-Ray Testing Using Computer Vision. , 2017, , .		53
18	Computer Vision for X-Ray Testing. , 2015, , .		52

#	ARTICLE	IF	CITATIONS
19	Learning discriminative local binary patterns for face recognition. , 2011, , .		47
20	X-Ray Baggage Inspection With Computer Vision: A Survey. IEEE Access, 2020, 8, 145620-145633.	4.2	45
21	Face Recognition with Local Binary Patterns, Spatial Pyramid Histograms and Naive Bayes Nearest Neighbor Classification. , 2009, , .		44
22	Automated Design of a Computer Vision System for Visual Food Quality Evaluation. Food and Bioprocess Technology, 2013, 6, 2093-2108.	4.7	43
23	Quality classification of corn tortillas using computer vision. Journal of Food Engineering, 2010, 101, 357-364.	5.2	42
24	Automated X-Ray Object Recognition Using an Efficient Search Algorithm in Multiple Views. , 2013, , .		42
25	Aluminum Casting Inspection Using Deep Learning: A Method Based on Convolutional Neural Networks. Journal of Nondestructive Evaluation, 2020, 39, 1.	2.4	40
26	Crossing Line Profile: A New Approach to Detecting Defects in Aluminium Die Casting. Lecture Notes in Computer Science, 2003, , 725-732.	1.3	33
27	COMPLTER VISION CLASSIFICATION OF POTATO CHIPS BY COLOR. Journal of Food Process Engineering, 2011, 34, 1714-1728.	2.9	33
28	Inspection of Complex Objects Using Multiple-X-Ray Views. IEEE/ASME Transactions on Mechatronics, 2015, 20, 338-347.	5.8	33
29	Automated detection in complex objects using a tracking algorithm in multiple X-ray views. , 2011, , .		32
30	Active X-ray testing of complex objects. Insight: Non-Destructive Testing and Condition Monitoring, 2012, 54, 28-35.	0.6	32
31	Face Recognition with Decision Tree-Based Local Binary Patterns. Lecture Notes in Computer Science, 2011, , 618-629.	1.3	32
32	Face Recognition Using Sparse Fingerprint Classification Algorithm. IEEE Transactions on Information Forensics and Security, 2017, 12, 1646-1657.	6.9	31
33	Automatic facial attribute analysis via adaptive sparse representation of random patches. Pattern Recognition Letters, 2015, 68, 260-269.	4.2	30
34	A Method for Automatic Surface Inspection Using a Model-Based 3D Descriptor. Sensors, 2017, 17, 2262.	3.8	30
35	Automatic multiple view inspection using geometrical tracking and feature analysis in aluminum wheels. Machine Vision and Applications, 2011, 22, 157-170.	2.7	29
36	Detection of regular objects in baggage using multiple X-ray views. Insight: Non-Destructive Testing and Condition Monitoring, 2013, 55, 16-20.	0.6	28

#	ARTICLE	IF	CITATIONS
37	Student Attendance System in Crowded Classrooms Using a Smartphone Camera. , 2019, , .		28
38	Object Recognition in Baggage Inspection Using Adaptive Sparse Representations of X-ray Images. Lecture Notes in Computer Science, 2016, , 709-720.	1.3	26
39	Automatic visual inspection: An approach with multi-instance learning. Computers in Industry, 2016, 83, 46-54.	9.9	25
40	Detection of threat objects in baggage inspection with X-ray images using deep learning. Neural Computing and Applications, 2021, 33, 7803-7819.	5.6	25
41	Explicit geometric model of a radiosopic imaging system. NDT and E International, 2003, 36, 587-599.	3.7	24
42	MEG Connectivity and Power Detections with Minimum Norm Estimates Require Different Regularization Parameters. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.7	24
43	A Logarithmic X-Ray Imaging Model for Baggage Inspection: Simulation and Object Detection. , 2017, , .		23
44	Simulation of defects in aluminium castings using CAD models of flaws and real X-ray images. Insight: Non-Destructive Testing and Condition Monitoring, 2005, 47, 618-624.	0.6	21
45	Computer vision technology for X-ray testing. Insight: Non-Destructive Testing and Condition Monitoring, 2014, 56, 147-155.	0.6	20
46	Object Recognition in X-ray Testing Using Adaptive Sparse Representations. Journal of Nondestructive Evaluation, 2016, 35, 1.	2.4	20
47	Face recognition in low-quality images using adaptive sparse representations. Image and Vision Computing, 2019, 85, 46-58.	4.5	20
48	Threat Objects Detection in X-ray Images Using an Active Vision Approach. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	19
49	Aluminum Casting Inspection using Deep Object Detection Methods and Simulated Ellipsoidal Defects. Machine Vision and Applications, 2021, 32, 1.	2.7	19
50	Action Recognition in Video Using Sparse Coding and Relative Features. , 2016, , .		18
51	Neural network method for failure detection with skewed class distribution. Insight: Non-Destructive Testing and Condition Monitoring, 2004, 46, 399-402.	0.6	17
52	Robust automated multiple view inspection. Pattern Analysis and Applications, 2008, 11, 21-32.	4.6	17
53	Flaw detection in aluminium die castings using simultaneous combination of multiple views. Insight: Non-Destructive Testing and Condition Monitoring, 2010, 52, 548-552.	0.6	16
54	X-Ray Testing by Computer Vision. , 2013, , .		16

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55	Visual inspection of glass bottlenecks by multiple-view analysis. International Journal of Computer Integrated Manufacturing, 2010, 23, 925-941.	4.6	14
56	Prediction of Mechanical Properties of Corn and Tortilla Chips by Using Computer Vision. Food and Bioprocess Technology, 2012, 5, 2025-2030.	4.7	14
57	Comparing Neural and Attractiveness-based Visual Features for Artwork Recommendation. , 2017, , .		13
58	Joint Dictionary and Classifier Learning for Categorization of Images Using a Max-margin Framework. Lecture Notes in Computer Science, 2014, , 87-98.	1.3	13
59	Object recognition in X-ray testing using an efficient search algorithm in multiple views. Insight: Non-Destructive Testing and Condition Monitoring, 2017, 59, 85-92.	0.6	12
60	Handgun Detection in Single-Spectrum Multiple X-ray Views Based on 3D Object Recognition. Journal of Nondestructive Evaluation, 2019, 38, 1.	2.4	11
61	Die Epipolargeometrie in der Röntgendurchleuchtungsprüfung: Grundlagen und Anwendung (The Tj ETQq1 1 0,784314 rgBT /Overl 0,8 FO		
62	Automated Visual Inspection of Glass Bottles Using Adapted Median Filtering. Lecture Notes in Computer Science, 2004, , 818-825.	1.3	10
63	Learning face similarity for re-identification from real surveillance video: A deep metric solution. , 2017, , .		9
64	Robust Tree-Ring Detection. , 2007, , 575-585.		9
65	Target Detection by Target Simulation in X-ray Testing. Journal of Nondestructive Evaluation, 2022, 41, 1.	2.4	9
66	Accuracy estimation of detection of casting defects in X-ray images using some statistical techniques. Insight: Non-Destructive Testing and Condition Monitoring, 2007, 49, 603-609.	0.6	8
67	Digital Rock Approach to Model the Permeability in an Artificially Heated and Fractured Granodiorite from the LiquiÅ±e Geothermal System (39Å°S). Rock Mechanics and Rock Engineering, 2020, 53, 1179-1204.	5.4	8
68	A Robust Face Recognition System for One Sample Problem. Lecture Notes in Computer Science, 2019, , 13-26.	1.3	8
69	Segmentation of circular casting defects using a robust algorithm. Insight: Non-Destructive Testing and Condition Monitoring, 2005, 47, 615-617.	0.6	7
70	Face recognition via adaptive sparse representations of random patches. , 2014, , .		7
71	Detecting and characterizing upwelling filaments in a numerical ocean model. Computers and Geosciences, 2019, 122, 25-34.	4.2	7
72	Computer Vision for X-Ray Testing. , 2021, , .		7

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73	Image Analysis Reveals That Lenticel Damage Does Not Result in Black Spot Development but Enhances Dehydration in <i>Persea americana</i> Mill. cv. Hass during Prolonged Storage. <i>Agronomy</i> , 2021, 11, 1699.	3.0	7
74	High-contrast pixels: a new feature for defect detection in X-ray testing. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2006, 48, 751-753.	0.6	6
75	Quality Evaluation and Control of Potato Chips and French Fries. , 2008, , 545-566.		6
76	Iris Segmentation Using Geodesic Active Contours and GrabCut. <i>Lecture Notes in Computer Science</i> , 2016, , 48-60.	1.3	6
77	Palaeopermeability anisotropy and geometrical properties of sealed-microfractures from micro-CT analyses: An open-source implementation. <i>Micron</i> , 2019, 117, 29-39.	2.2	6
78	Recognition of Facial Attributes Using Adaptive Sparse Representations of Random Patches. <i>Lecture Notes in Computer Science</i> , 2015, , 778-792.	1.3	6
79	Identification of hemodynamic biomarkers for bicuspid aortic valve induced aortic dilation using machine learning. <i>Computers in Biology and Medicine</i> , 2022, 141, 105147.	7.0	6
80	A new algorithm for flaw simulation in castings by superimposing projections of 3D models onto X-ray images. , 0, , .		4
81	Automatische Gussfehlererkennung: Stand der Technik (Automated Quality Control of Castings: State) Tj ETQq1 1 0,784314,rgBT /O	0.7	4
82	Grading of Potatoes. , 2016, , 369-382.		4
83	Quality Evaluation and Control of Potato Chips. , 2016, , 591-613.		4
84	Automated Threat Objects Detection with Synthetic Data for Real-Time X-ray Baggage Inspection. , 2021, , .		4
85	Bimodal Biometric Person Identification System Under Perturbations. , 2007, , 114-127.		4
86	Accuracy Estimation of Detection of Casting Defects in X-Ray Images Using Some Statistical Techniques. <i>Lecture Notes in Computer Science</i> , 2007, , 639-650.	1.3	4
87	Improving Tracking Algorithms Using Saliency. <i>Lecture Notes in Computer Science</i> , 2011, , 141-148.	1.3	4
88	Tracking of Points in a Calibrated and Noisy Image Sequence. <i>Lecture Notes in Computer Science</i> , 2004, , 647-654.	1.3	3
89	A ROBUST ALGORITHM FOR NONDESTRUCTIVE TESTING OF WELD SEAMS. , 2007, , 635-658.		3
90	Automated Detection of Fish Bones in Salmon Fillets Using X-ray Testing. , 2010, , .		3

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91	A fast and self-adaptive on-line learning detection system. <i>Procedia Computer Science</i> , 2018, 144, 13-22.	2.0	3
92	Automatic Selection and Detection of Visual Landmarks Using Multiple Segmentations. <i>Lecture Notes in Computer Science</i> , 2006, , 601-610.	1.3	3
93	Applications in X-ray Testing. , 2021, , 375-436.		3
94	X-ray Testing. , 2015, , 1-33.		3
95	Applications in X-ray Testing. , 2015, , 267-325.		2
96	Modeling Search Behaviors during the Acquisition of Expertise in a Sequential Decision-Making Task. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 80.	2.1	2
97	Informative Bayesian model selection for RR Lyrae star classifiers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 484-497.	4.4	2
98	Automatic Multiple Visual Inspection on Non-calibrated Image Sequence with Intermediate Classifier Block. , 2007, , 371-384.		2
99	Grading of Potatoes. , 2008, , 305-317.		2
100	Dynamic Signature Recognition Based on Fisher Discriminant. <i>Lecture Notes in Computer Science</i> , 2011, , 433-442.	1.3	2
101	Human Action Recognition from Inter-temporal Dictionaries of Key-Sequences. <i>Lecture Notes in Computer Science</i> , 2014, , 419-430.	1.3	2
102	Verfolgung von Gussfehlern in einer digitalen Röntgenbildsequenz: Eine neue Methode zur Automatisierung der Qualitätskontrolle von Gussteilen (Flaw Tracking in a Sequence of Digital X-Ray) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 160.		1
103	Automated multiple view inspection of metal castings. , 2007, , .		1
104	Visual Recognition to Access and Analyze People Density and Flow Patterns in Indoor Environments. , 2015, , .		1
105	On accuracy estimation and comparison of results in biometric research. , 2016, , .		1
106	Recognition of Faces and Facial Attributes Using Accumulative Local Sparse Representations. , 2018, , .		1
107	A novel online self-learning system with automatic object detection model for multimedia applications. <i>Multimedia Tools and Applications</i> , 2021, 80, 16659-16681.	3.9	1
108	An Efficient Point-Matching Method Based on Multiple Geometrical Hypotheses. <i>Electronics (Switzerland)</i> , 2021, 10, 246.	3.1	1

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109	Segmentation in Food Images. , 2006, , 340-354.		1
110	Bifocal Matching Using Multiple Geometrical Solutions. Lecture Notes in Computer Science, 2011, , 192-203.	1.3	1
111	Adaptive Image Segmentation Based on Histogram Transition Zone Analysis. International Journal of Fuzzy Logic and Intelligent Systems, 2016, 16, 299-307.	1.1	1
112	One-dimensional local binary pattern based color descriptor to classify stress values from photoelasticity videos. , 2019, , .		1
113	Face Analysis: State of the Art and Ethical Challenges. Lecture Notes in Computer Science, 2020, , 14-29.	1.3	1
114	Identity Document to Selfie Face Matching Across Adolescence. , 2020, , .		1
115	Multi-scale flow structure of a strike-slip tectonic setting: A self-similar model for the Liquiñe-Ofqui Fault System and the Andean Transverse Faults, Southern Andes (39°-40°S). Geothermics, 2022, 103, 102424.	3.4	1
116	Automatic landform clasification of uplands based on Haralick's texture. , 2012, , .		0
117	Indoor Mobile Robotics at Grima, PUC. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 151-165.	3.4	0
118	Oil Content Fraction in Tortilla Chips During Frying and their Prediction by Image Analysis Using Computer Vision. International Journal of Food Properties, 2014, 17, 261-272.	3.0	0
119	Characterization of spinal cord damage based on automatic video analysis of froglet swimming. Biology Open, 2019, 8, .	1.2	0
120	Advances on Automated Multiple View Inspection. Lecture Notes in Computer Science, 2006, , 513-522.	1.3	0
121	Images for X-ray Testing. , 2015, , 35-51.		0
122	X-ray Image Representation. , 2015, , 149-203.		0
123	Classification in X-Ray Testing. , 2021, , 227-273.		0
124	Simulation in X-ray Testing. , 2021, , 337-373.		0
125	Geometry in X-ray Testing. , 2021, , 65-123.		0
126	Images for X-ray Testing. , 2021, , 43-63.		0

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127	X-Ray Image Processing. , 2021, , 125-167.		0
128	X-ray Image Representation. , 2021, , 169-226.		0
129	X-ray Testing. , 2021, , 1-41.		0
130	Fair Face Verification by Using Non-Sensitive Soft-Biometric Attributes. IEEE Access, 2022, 10, 30168-30179.	4.2	0