

Gloria Bueno

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,704
citations

257101

24
h-index

106150

65
g-index

119
all docs

119
docs citations

119
times ranked

6431
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	3.8	2,003
2	Face recognition using Histograms of Oriented Gradients. Pattern Recognition Letters, 2011, 32, 1598-1603.	2.6	496
3	Violence Detection in Video Using Computer Vision Techniques. Lecture Notes in Computer Science, 2011, , 332-339.	1.0	263
4	Review of imaging solutions for integrated quantitative immunohistochemistry in the Pathology daily practice.. Folia Histochemica Et Cytobiologica, 2010, 47, 349-54.	0.6	102
5	<scp>HER</scp>2 challenge contest: a detailed assessment of automated <scp>HER</scp>2 scoring algorithms in whole slide images of breast cancer tissues. Histopathology, 2018, 72, 227-238.	1.6	102
6	Glomerulosclerosis identification in whole slide images using semantic segmentation. Computer Methods and Programs in Biomedicine, 2020, 184, 105273.	2.6	100
7	Fight Recognition in Video Using Hough Forests and 2D Convolutional Neural Network. IEEE Transactions on Image Processing, 2018, 27, 4787-4797.	6.0	90
8	Automated Diatom Classification (Part B): A Deep Learning Approach. Applied Sciences (Switzerland), 2017, 7, 460.	1.3	80
9	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 3042-3052.	5.4	75
10	Semantic versus instance segmentation in microscopic algae detection. Engineering Applications of Artificial Intelligence, 2020, 87, 103271.	4.3	67
11	Automated pollen identification using microscopic imaging and texture analysis. Micron, 2015, 68, 36-46.	1.1	66
12	Glomerulus Classification and Detection Based on Convolutional Neural Networks. Journal of Imaging, 2018, 4, 20.	1.7	59
13	Autofocus evaluation for brightfield microscopy pathology. Journal of Biomedical Optics, 2012, 17, 036008.	1.4	54
14	New Trends of Emerging Technologies in Digital Pathology. Pathobiology, 2016, 83, 61-69.	1.9	52
15	Automated Diatom Classification (Part A): Handcrafted Feature Approaches. Applied Sciences (Switzerland), 2017, 7, 753.	1.3	48
16	Digital pathology imaging as a novel platform for standardization and globalization of quantitative nephropathology. CKJ: Clinical Kidney Journal, 2017, 10, 176-187.	1.4	45
17	Influence of parental socio-economic status on diet quality of European adolescents: results from the HELENA study. British Journal of Nutrition, 2014, 111, 1303-1312.	1.2	44
18	Glomerulus Classification with Convolutional Neural Networks. Communications in Computer and Information Science, 2017, , 839-849.	0.4	44

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19	Automated grapevine flower detection and quantification method based on computer vision and deep learning from on-the-go imaging using a mobile sensing platform under field conditions. Computers and Electronics in Agriculture, 2020, 178, 105796.	3.7	40
20	Digital Imaging and Communications in Medicine Whole Slide Imaging Connectathon at Digital Pathology Association Pathology Visions 2017. Journal of Pathology Informatics, 2018, 9, 6.	0.8	37
21	Three-dimensional segmentation of anatomical structures in MR images on large data bases. Magnetic Resonance Imaging, 2001, 19, 73-88.	1.0	33
22	USING SET OF EXPERIENCE KNOWLEDGE STRUCTURE TO EXTEND A RULE SET OF CLINICAL DECISION SUPPORT SYSTEM FOR ALZHEIMER'S DISEASE DIAGNOSIS. Cybernetics and Systems, 2012, 43, 81-95.	1.6	30
23	Breast density classification to reduce false positives in CADe systems. Computer Methods and Programs in Biomedicine, 2014, 113, 569-584.	2.6	29
24	A Knowledge-based Clinical Decision Support System for the diagnosis of Alzheimer Disease. , 2011, , .		28
25	Smile Detection for User Interfaces. Lecture Notes in Computer Science, 2008, , 602-611.	1.0	26
26	A Low-Cost Automated Digital Microscopy Platform for Automatic Identification of Diatoms. Applied Sciences (Switzerland), 2020, 10, 6033.	1.3	25
27	Vascular patterns provide therapeutic targets in aggressive neuroblastic tumors. Oncotarget, 2016, 7, 19935-19947.	0.8	22
28	Oblique illumination in microscopy: A quantitative evaluation. Micron, 2018, 105, 47-54.	1.1	21
29	Data for glomeruli characterization in histopathological images. Data in Brief, 2020, 29, 105314.	0.5	21
30	Pollen segmentation and feature evaluation for automatic classification in bright-field microscopy. Computers and Electronics in Agriculture, 2015, 110, 56-69.	3.7	20
31	Handgun Detection Using Combined Human Pose and Weapon Appearance. IEEE Access, 2021, 9, 123815-123826.	2.6	20
32	A parallel solution for high resolution histological image analysis. Computer Methods and Programs in Biomedicine, 2012, 108, 388-401.	2.6	18
33	Textural features and SUV-based variables assessed by dual time point 18F-FDG PET/CT in locally advanced breast cancer. Annals of Nuclear Medicine, 2017, 31, 726-735.	1.2	18
34	Diatom identification including life cycle stages through morphological and texture descriptors. PeerJ, 2019, 7, e6770.	0.9	18
35	Quality evaluation of microscopy and scanned histological images for diagnostic purposes. Micron, 2012, 43, 334-343.	1.1	17
36	An automated system for whole microscopic image acquisition and analysis. Microscopy Research and Technique, 2014, 77, 697-713.	1.2	17

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37	Eyes of Things. <i>Sensors</i> , 2017, 17, 1173.	2.1	17
38	Robustness to adversarial examples can be improved with overfitting. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 935-944.	2.3	16
39	Fast and accurate global motion compensation. <i>Pattern Recognition</i> , 2011, 44, 2887-2901.	5.1	15
40	Evaluation of cytokeratin-19 in breast cancer tissue samples: a comparison of automatic and manual evaluations of scanned tissue microarray cylinders. <i>BioMedical Engineering OnLine</i> , 2015, 14, S2.	1.3	15
41	Spatio-temporal elastic cuboid trajectories for efficient fight recognition using Hough forests. <i>Machine Vision and Applications</i> , 2018, 29, 207-217.	1.7	15
42	Changes in the fecal concentrations of cortisol and androgen metabolites in captive male jaguars (<i>Panthera onca</i>) in response to stress. <i>Brazilian Journal of Medical and Biological Research</i> , 2004, 37, 1903-1907.	0.7	14
43	Influence of Texture and Colour in Breast TMA Classification. <i>PLoS ONE</i> , 2015, 10, e0141556.	1.1	13
44	Optimum web viewer application for DICOM whole slide image visualization in anatomical pathology. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 179, 104983.	2.6	13
45	Immune response profile of primary tumour, sentinel and non-sentinel axillary lymph nodes related to metastasis in breast cancer: an immunohistochemical point of view. <i>Histochemistry and Cell Biology</i> , 2019, 152, 177-193.	0.8	13
46	<title>3D watershed-based segmentation of internal structures within MR brain images</title>. , 2000, , .		12
47	Automatic breast parenchymal density classification integrated into a CADe system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2011, 6, 309-318.	1.7	12
48	TMA Vessel Segmentation Based on Color and Morphological Features: Application to Angiogenesis Research. <i>Scientific World Journal, The</i> , 2013, 2013, 1-11.	0.8	12
49	Development of automated quantification methodologies of immunohistochemical markers to determine patterns of immune response in breast cancer: a retrospective cohort study. <i>BMJ Open</i> , 2014, 4, e005643-e005643.	0.8	12
50	Automatic quantification of IHC stain in breast TMA using colour analysis. <i>Computerized Medical Imaging and Graphics</i> , 2017, 61, 14-27.	3.5	12
51	Lymph microvascularization as a prognostic indicator in neuroblastoma. <i>Oncotarget</i> , 2018, 9, 26157-26170.	0.8	12
52	Fuzzy-Snake Segmentation of Anatomical Structures Applied to CT Images. <i>Lecture Notes in Computer Science</i> , 2004, , 33-42.	1.0	11
53	Smart Doll: Emotion Recognition Using Embedded Deep Learning. <i>Symmetry</i> , 2018, 10, 387.	1.1	11
54	Fast Monte Carlo simulation on a voxelized human phantom deformed to a patient. <i>Medical Physics</i> , 2009, 36, 5162-5174.	1.6	10

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55	Automatic Handling of Tissue Microarray Cores in High-Dimensional Microscopy Images. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 999-1007.	3.9	10
56	Low-cost oblique illumination: an image quality assessment. Journal of Biomedical Optics, 2018, 23, 1.	1.4	10
57	A Vision-Based Localization Algorithm for an Indoor Navigation App. , 2014, , .		9
58	Pulga, a tiny open-source MQTT broker for flexible and secure IoT deployments. , 2015, , .		9
59	Frequential versus spatial colour textons for breast TMA classification. Computerized Medical Imaging and Graphics, 2015, 42, 25-37.	3.5	9
60	Lights and pitfalls of convolutional neural networks for diatom identification. , 2018, , .		9
61	IMAGING AND CONTROL FOR ADAPTIVE RADIOTHERAPY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 25-30.	0.4	8
62	Computer vision based eyewear selector. Journal of Zhejiang University: Science C, 2010, 11, 79-91.	0.7	8
63	A geodesic deformable model for automatic segmentation of image sequences applied to radiation therapy. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 341-350.	1.7	8
64	Bagging Tree Classifier and Texture Features for Tumor Identification in Histological Images. Procedia Computer Science, 2016, 90, 99-106.	1.2	8
65	Teaching digital pathology: The international school of digital pathology and proposed syllabus. Journal of Pathology Informatics, 2017, 8, 27.	0.8	8
66	MicroHikari3D: an automated DIY digital microscopy platform with deep learning capabilities. Biomedical Optics Express, 2021, 12, 7223.	1.5	8
67	Colour model analysis for microscopic image processing. Diagnostic Pathology, 2008, 3, S18.	0.9	7
68	The Immune Response in Nonmetastatic Axillary Lymph Nodes Is Associated with the Presence of Axillary Metastasis and Breast Cancer Patient Outcome. American Journal of Pathology, 2020, 190, 660-673.	1.9	7
69	An Architecture for the Semantic Enhancement of Clinical Decision Support Systems. Lecture Notes in Computer Science, 2011, , 611-620.	1.0	6
70	On the Relationship between Generalization and Robustness to Adversarial Examples. Symmetry, 2021, 13, 817.	1.1	6
71	Biomedical Image Processing Integration Through INBIOMED: A Web Services-Based Platform. Lecture Notes in Computer Science, 2005, , 34-43.	1.0	6
72	Detection of Ki67 Hot-Spots of Invasive Breast Cancer Based on Convolutional Neural Networks Applied to Mutual Information of H&E and Ki67 Whole Slide Images. Applied Sciences (Switzerland), 2020, 10, 7761.	1.3	5

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73	Approaching Adversarial Example Classification with Chaos Theory. Entropy, 2020, 22, 1201.	1.1	5
74	Differences in the Immune Response of the Nonmetastatic Axillary Lymph Nodes between Triple-Negative and Luminal A Breast Cancer Surrogate Subtypes. American Journal of Pathology, 2021, 191, 545-554.	1.9	5
75	Colour Model Analysis for Histopathology Image Processing. Lecture Notes in Computational Vision and Biomechanics, 2013, , 165-180.	0.5	5
76	A Tree Classifier for Automatic Breast Tissue Classification Based on BIRADS Categories. Lecture Notes in Computer Science, 2011, , 580-587.	1.0	4
77	Evaluation of autofocus measures for microscopy images of biopsy and cytology. Proceedings of SPIE, 2011, , .	0.8	4
78	Multi-stained whole slide image alignment in digital pathology. Proceedings of SPIE, 2015, , .	0.8	4
79	Automated Identification and Classification of Diatoms from Water Resources. Lecture Notes in Computer Science, 2019, , 496-503.	1.0	4
80	Pencil Drawing of Microscopic Images Through Edge Preserving Filtering. Lecture Notes in Computer Science, 2019, , 189-200.	1.0	4
81	Diatom Classification Including Morphological Adaptations Using CNNs. Lecture Notes in Computer Science, 2019, , 317-328.	1.0	4
82	Deep Learning Versus Classic Methods for Multi-taxon Diatom Segmentation. Lecture Notes in Computer Science, 2019, , 342-354.	1.0	4
83	Multi-exposure microscopic image fusion-based detail enhancement algorithm. Ultramicroscopy, 2022, 236, 113499.	0.8	4
84	Segmentation of clinical structures for radiotherapy treatment planning: a comparison of two morphological approaches. , 2001, , .		3
85	Image quality metrics applied to digital pathology. Proceedings of SPIE, 2016, , .	0.8	3
86	BiMUâ€”Inertial Sensors and Virtual Reality Games for the Rehabilitation of the Upper Limb in Cerebral Palsy. Biosystems and Biorobotics, 2017, , 1067-1071.	0.2	3
87	Diatom Segmentation in Water Resources. Communications in Computer and Information Science, 2018, , 83-97.	0.4	3
88	Adversarial Examples are a Manifestation of the Fitting-Generalization Trade-off. Lecture Notes in Computer Science, 2019, , 569-580.	1.0	3
89	Image processing methods and architectures in diagnostic pathology.. Folia Histochemica Et Cytobiologica, 2010, 47, 691-7.	0.6	3
90	Diffeomorphic transforms for data augmentation of highly variable shape and texture objects. Computer Methods and Programs in Biomedicine, 2022, 219, 106775.	2.6	3

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91	Sample Selection for Training Cascade Detectors. PLoS ONE, 2015, 10, e0133059.	1.1	2
92	Segmentation Techniques. , 2020, , 135-149.		2
93	Fuzzy Systems and Deformable Models. Series in Medical Physics and Biomedical Engineering, 2008, , 305-330.	0.1	2
94	A Physically-Based Statistical Deformable Model for Brain Image Analysis. Lecture Notes in Computer Science, 2000, , 528-542.	1.0	2
95	Peritumoral immune infiltrates in primary tumours are not associated with the presence of axillary lymph node metastasis in breast cancer: a retrospective cohort study. PeerJ, 2020, 8, e9779.	0.9	2
96	Analysis of the impact of high-resolution monitors in digital pathology. Journal of Pathology Informatics, 2015, 6, 57.	0.6	2
97	CD68 and CD83 immune populations in non-metastatic axillary lymph nodes are of prognostic value for the survival and relapse of breast cancer patients. Breast Cancer, 2022, 29, 618-635.	1.3	2
98	CADe System Integrated within the Electronic Health Record. BioMed Research International, 2013, 2013, 1-14.	0.9	1
99	Sainet: An Image Processing App for Assistance of Visually Impaired People in Social Interaction Scenarios. Lecture Notes in Computer Science, 2016, , 467-477.	1.0	1
100	Overview: Antecedents, Motivation and Necessity. , 2020, , 3-10.		1
101	Really natural adversarial examples. International Journal of Machine Learning and Cybernetics, 2022, 13, 1065-1077.	2.3	1
102	Syntactic and Statistical Pattern Recognition in Medical Image Based Measurement System. Measurement and Control, 1997, 30, 14-16.	0.9	0
103	<title>Hybrid atlas-based and image-based approach for segmenting 3D brain MRIs</title>. , 2001, , .		0
104	3D geometrical segmentation and reconstruction of anatomical structures. , 2005, 5744, 43.		0
105	Three-dimensional organ modeling based on deformable surfaces applied to radio-oncology. Journal of Zhejiang University: Science C, 2010, 11, 407-417.	0.7	0
106	The eyes of things project. , 2015, , .		0
107	Nonsampled contourlet transform based toneâ€œmapping operator to optimize the dynamic range of diatom shells. Microscopy Research and Technique, 2021, 84, 2034-2045.	1.2	0
108	Emotional Modeling in an Interactive Robotic Head. , 2009, , 1-8.		0

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109	Soft Computing Techniques for Human-Computer Interaction. , 2010, , 30-44.		0
110	Automatic Handling of Tissue Microarray Cores in High-Dimensional Microscopy Images. Lecture Notes in Computer Science, 2011, , 268-275.	1.0	0
111	Fast Classification in Incrementally Growing Spaces. Lecture Notes in Computer Science, 2011, , 305-312.	1.0	0
112	Breast Tissue Microarray Classification Based on Texture and Frequential Features. IFMBE Proceedings, 2014, , 750-753.	0.2	0
113	Diatom Feature Extraction and Classification. , 2020, , 151-164.		0