

# 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	Really natural adversarial examples. International Journal of Machine Learning and Cybernetics, 2022, 13, 1065-1077.	2.3	1
2	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
3	Multi-exposure microscopic image fusion-based detail enhancement algorithm. Ultramicroscopy, 2022, 236, 113499.	0.8	4
4	Diffeomorphic transforms for data augmentation of highly variable shape and texture objects. Computer Methods and Programs in Biomedicine, 2022, 219, 106775.	2.6	3
5	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
6	Handgun Detection Using Combined Human Pose and Weapon Appearance. IEEE Access, 2021, 9, 123815-123826.	2.6	20
7	Nonsubsampled contourlet transform based tone mapping operator to optimize the dynamic range of diatom shells. Microscopy Research and Technique, 2021, 84, 2034-2045.	1.2	0
8	On the Relationship between Generalization and Robustness to Adversarial Examples. Symmetry, 2021, 13, 817.	1.1	6
9	MicroHikari3D: an automated DIY digital microscopy platform with deep learning capabilities. Biomedical Optics Express, 2021, 12, 7223.	1.5	8
10	Semantic versus instance segmentation in microscopic algae detection. Engineering Applications of Artificial Intelligence, 2020, 87, 103271.	4.3	67
11	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
12	Glomerulosclerosis identification in whole slide images using semantic segmentation. Computer Methods and Programs in Biomedicine, 2020, 184, 105273.	2.6	100
13	A Low-Cost Automated Digital Microscopy Platform for Automatic Identification of Diatoms. Applied Sciences (Switzerland), 2020, 10, 6033.	1.3	25
14	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
15	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
16	Approaching Adversarial Example Classification with Chaos Theory. Entropy, 2020, 22, 1201.	1.1	5
17	Data for glomeruli characterization in histopathological images. Data in Brief, 2020, 29, 105314.	0.5	21
18	Robustness to adversarial examples can be improved with overfitting. International Journal of Machine Learning and Cybernetics, 2020, 11, 935-944.	2.3	16

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19	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 3042-3052.	5.4	75
20	Overview: Antecedents, Motivation and Necessity. , 2020, , 3-10.		1
21	Segmentation Techniques. , 2020, , 135-149.		2
22	Diatom Feature Extraction and Classification. , 2020, , 151-164.		0
23	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
24	Optimum web viewer application for DICOM whole slide image visualization in anatomical pathology. Computer Methods and Programs in Biomedicine, 2019, 179, 104983.	2.6	13
25	Immune response profile of primary tumour, sentinel and non-sentinel axillary lymph nodes related to metastasis in breast cancer: an immunohistochemical point of view. Histochemistry and Cell Biology, 2019, 152, 177-193.	0.8	13
26	Diatom identification including life cycle stages through morphological and texture descriptors. PeerJ, 2019, 7, e6770.	0.9	18
27	Adversarial Examples are a Manifestation of the Fitting-Generalization Trade-off. Lecture Notes in Computer Science, 2019, , 569-580.	1.0	3
28	Automated Identification and Classification of Diatoms from Water Resources. Lecture Notes in Computer Science, 2019, , 496-503.	1.0	4
29	Pencil Drawing of Microscopic Images Through Edge Preserving Filtering. Lecture Notes in Computer Science, 2019, , 189-200.	1.0	4
30	Diatom Classification Including Morphological Adaptations Using CNNs. Lecture Notes in Computer Science, 2019, , 317-328.	1.0	4
31	Deep Learning Versus Classic Methods for Multi-taxon Diatom Segmentation. Lecture Notes in Computer Science, 2019, , 342-354.	1.0	4
32	Oblique illumination in microscopy: A quantitative evaluation. Micron, 2018, 105, 47-54.	1.1	21
33	Spatio-temporal elastic cuboid trajectories for efficient face recognition using Hough forests. Machine Vision and Applications, 2018, 29, 207-217.	1.7	15
34	<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
35	Smart Doll: Emotion Recognition Using Embedded Deep Learning. Symmetry, 2018, 10, 387.	1.1	11
36	Diatom Segmentation in Water Resources. Communications in Computer and Information Science, 2018, , 83-97.	0.4	3

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37	Glomerulus Classification and Detection Based on Convolutional Neural Networks. Journal of Imaging, 2018, 4, 20.	1.7	59
38	Fight Recognition in Video Using Hough Forests and 2D Convolutional Neural Network. IEEE Transactions on Image Processing, 2018, 27, 4787-4797.	6.0	90
39	Low-cost oblique illumination: an image quality assessment. Journal of Biomedical Optics, 2018, 23, 1.	1.4	10
40	Lights and pitfalls of convolutional neural networks for diatom identification. , 2018, , .		9
41	Lymph microvascularization as a prognostic indicator in neuroblastoma. Oncotarget, 2018, 9, 26157-26170.	0.8	12
42	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
43	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
44	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
45	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
46	Automatic quantification of IHC stain in breast TMA using colour analysis. Computerized Medical Imaging and Graphics, 2017, 61, 14-27.	3.5	12
47	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
48	Automated Diatom Classification (Part B): A Deep Learning Approach. Applied Sciences (Switzerland), 2017, 7, 460.	1.3	80
49	Automated Diatom Classification (Part A): Handcrafted Feature Approaches. Applied Sciences (Switzerland), 2017, 7, 753.	1.3	48
50	Eyes of Things. Sensors, 2017, 17, 1173.	2.1	17
51	Glomerulus Classification with Convolutional Neural Networks. Communications in Computer and Information Science, 2017, , 839-849.	0.4	44
52	Teaching digital pathology: The international school of digital pathology and proposed syllabus. Journal of Pathology Informatics, 2017, 8, 27.	0.8	8
53	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
54	Bagging Tree Classifier and Texture Features for Tumor Identification in Histological Images. Procedia Computer Science, 2016, 90, 99-106.	1.2	8

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55	New Trends of Emerging Technologies in Digital Pathology. Pathobiology, 2016, 83, 61-69.	1.9	52
56	Image quality metrics applied to digital pathology. Proceedings of SPIE, 2016, , .	0.8	3
57	Vascular patterns provide therapeutic targets in aggressive neuroblastic tumors. Oncotarget, 2016, 7, 19935-19947.	0.8	22
58	Evaluation of cytokeratin-19 in breast cancer tissue samples: a comparison of automatic and manual evaluations of scanned tissue microarray cylinders. BioMedical Engineering OnLine, 2015, 14, S2.	1.3	15
59	Sample Selection for Training Cascade Detectors. PLoS ONE, 2015, 10, e0133059.	1.1	2
60	Influence of Texture and Colour in Breast TMA Classification. PLoS ONE, 2015, 10, e0141556.	1.1	13
61	The eyes of things project. , 2015, , .		0
62	Multi-stained whole slide image alignment in digital pathology. Proceedings of SPIE, 2015, , .	0.8	4
63	Pulga, a tiny open-source MQTT broker for flexible and secure IoT deployments. , 2015, , .		9
64	Frequential versus spatial colour textons for breast TMA classification. Computerized Medical Imaging and Graphics, 2015, 42, 25-37.	3.5	9
65	Pollen segmentation and feature evaluation for automatic classification in bright-field microscopy. Computers and Electronics in Agriculture, 2015, 110, 56-69.	3.7	20
66	Automated pollen identification using microscopic imaging and texture analysis. Micron, 2015, 68, 36-46.	1.1	66
67	Analysis of the impact of high-resolution monitors in digital pathology. Journal of Pathology Informatics, 2015, 6, 57.	0.6	2
68	Development of automated quantification methodologies of immunohistochemical markers to determine patterns of immune response in breast cancer: a retrospective cohort study. BMJ Open, 2014, 4, e005643-e005643.	0.8	12
69	A Vision-Based Localization Algorithm for an Indoor Navigation App. , 2014, , .		9
70	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
71	Breast density classification to reduce false positives in CADe systems. Computer Methods and Programs in Biomedicine, 2014, 113, 569-584.	2.6	29
72	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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73	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
74	Breast Tissue Microarray Classification Based on Texture and Frequential Features. IFMBE Proceedings, 2014, , 750-753.	0.2	0
75	CADe System Integrated within the Electronic Health Record. BioMed Research International, 2013, 2013, 1-14.	0.9	1
76	TMA Vessel Segmentation Based on Color and Morphological Features: Application to Angiogenesis Research. Scientific World Journal, The, 2013, 2013, 1-11.	0.8	12
77	Colour Model Analysis for Histopathology Image Processing. Lecture Notes in Computational Vision and Biomechanics, 2013, , 165-180.	0.5	5
78	Autofocus evaluation for brightfield microscopy pathology. Journal of Biomedical Optics, 2012, 17, 036008.	1.4	54
79	A parallel solution for high resolution histological image analysis. Computer Methods and Programs in Biomedicine, 2012, 108, 388-401.	2.6	18
80	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
81	Quality evaluation of microscopy and scanned histological images for diagnostic purposes. Micron, 2012, 43, 334-343.	1.1	17
82	A Knowledge-based Clinical Decision Support System for the diagnosis of Alzheimer Disease. , 2011, , .		28
83	A Tree Classifier for Automatic Breast Tissue Classification Based on BIRADS Categories. Lecture Notes in Computer Science, 2011, , 580-587.	1.0	4
84	Evaluation of autofocus measures for microscopy images of biopsy and cytology. Proceedings of SPIE, 2011, , .	0.8	4
85	An Architecture for the Semantic Enhancement of Clinical Decision Support Systems. Lecture Notes in Computer Science, 2011, , 611-620.	1.0	6
86	Fast and accurate global motion compensation. Pattern Recognition, 2011, 44, 2887-2901.	5.1	15
87	Automatic breast parenchymal density classification integrated into a CADe system. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 309-318.	1.7	12
88	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
89	Face recognition using Histograms of Oriented Gradients. Pattern Recognition Letters, 2011, 32, 1598-1603.	2.6	496
90	Violence Detection in Video Using Computer Vision Techniques. Lecture Notes in Computer Science, 2011, , 332-339.	1.0	263

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91	Automatic Handling of Tissue Microarray Cores in High-Dimensional Microscopy Images. Lecture Notes in Computer Science, 2011, , 268-275.	1.0	0
92	Fast Classification in Incrementally Growing Spaces. Lecture Notes in Computer Science, 2011, , 305-312.	1.0	0
93	Review of imaging solutions for integrated quantitative immunohistochemistry in the Pathology daily practice.. Folia Histochemica Et Cytobiologica, 2010, 47, 349-54.	0.6	102
94	Computer vision based eyewear selector. Journal of Zhejiang University: Science C, 2010, 11, 79-91.	0.7	8
95	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
96	Image processing methods and architectures in diagnostic pathology.. Folia Histochemica Et Cytobiologica, 2010, 47, 691-7.	0.6	3
97	Soft Computing Techniques for Human-Computer Interaction. , 2010, , 30-44.		0
98	Fast Monte Carlo simulation on a voxelized human phantom deformed to a patient. Medical Physics, 2009, 36, 5162-5174.	1.6	10
99	Emotional Modeling in an Interactive Robotic Head. , 2009, , 1-8.		0
100	Colour model analysis for microscopic image processing. Diagnostic Pathology, 2008, 3, S18.	0.9	7
101	Smile Detection for User Interfaces. Lecture Notes in Computer Science, 2008, , 602-611.	1.0	26
102	Fuzzy Systems and Deformable Models. Series in Medical Physics and Biomedical Engineering, 2008, , 305-330.	0.1	2
103	IMAGING AND CONTROL FOR ADAPTIVE RADIOTHERAPY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 25-30.	0.4	8
104	3D geometrical segmentation and reconstruction of anatomical structures. , 2005, 5744, 43.		0
105	Biomedical Image Processing Integration Through INBIOMED: A Web Services-Based Platform. Lecture Notes in Computer Science, 2005, , 34-43.	1.0	6
106	Changes in the fecal concentrations of cortisol and androgen metabolites in captive male jaguars (Panthera onca) in response to stress. Brazilian Journal of Medical and Biological Research, 2004, 37, 1903-1907.	0.7	14
107	Fuzzy-Snake Segmentation of Anatomical Structures Applied to CT Images. Lecture Notes in Computer Science, 2004, , 33-42.	1.0	11
108	<title>Hybrid atlas-based and image-based approach for segmenting 3D brain MRIs</title>. , 2001, , .		0

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109	Three-dimensional segmentation of anatomical structures in MR images on large data bases. Magnetic Resonance Imaging, 2001, 19, 73-88.	1.0	33
110	Segmentation of clinical structures for radiotherapy treatment planning: a comparison of two morphological approaches. , 2001, , .		3
111	<title>3D watershed-based segmentation of internal structures within MR brain images</title>. , 2000, , .		12
112	A Physically-Based Statistical Deformable Model for Brain Image Analysis. Lecture Notes in Computer Science, 2000, , 528-542.	1.0	2
113	Syntactic and Statistical Pattern Recognition in Medical Image Based Measurement System. Measurement and Control, 1997, 30, 14-16.	0.9	0