

Francesco Bianconi

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,063
citations

249298

26
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286692

43
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docs citations

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times ranked

2220
citing authors

#	ARTICLE	IF	CITATIONS
19	Evaluation of Shape and Textural Features from CT as Prognostic Biomarkers in Non-small Cell Lung Cancer. <i>Anticancer Research</i> , 2018, 38, 2155-2160.	0.5	33
20	Quality assessment for recycling aggregates from construction and demolition waste: An image-based approach for particle size estimation. <i>Waste Management</i> , 2016, 48, 344-352.	3.7	32
21	Dominant local binary patterns for texture classification: Labelled or unlabelled?. <i>Pattern Recognition Letters</i> , 2015, 65, 8-14.	2.6	31
22	Dimensionality Reduction Strategies for CNN-Based Classification of Histopathological Images. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 21-30.	0.5	30
23	Rotation invariant co-occurrence features based on digital circles and discrete Fourier transform. <i>Pattern Recognition Letters</i> , 2014, 48, 34-41.	2.6	29
24	Value of Shape and Texture Features from 18F-FDG PET/CT to Discriminate between Benign and Malignant Solitary Pulmonary Nodules: An Experimental Evaluation. <i>Diagnostics</i> , 2020, 10, 696.	1.3	29
25	On the Occurrence Probability of Local Binary Patterns: A Theoretical Study. <i>Journal of Mathematical Imaging and Vision</i> , 2011, 40, 259-268.	0.8	28
26	A sequential machine vision procedure for assessing paper impurities. <i>Computers in Industry</i> , 2014, 65, 325-332.	5.7	26
27	Comparative evaluation of conventional and deep learning methods for semi-automated segmentation of pulmonary nodules on CT. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3286-3305.	1.1	26
28	An appendix to "Texture databases" A comprehensive survey. <i>Pattern Recognition Letters</i> , 2014, 45, 33-38.	2.6	23
29	Experimental comparison of color spaces for material classification. <i>Journal of Electronic Imaging</i> , 2016, 25, 061406.	0.5	23
30	Robust color texture features based on ranklets and discrete Fourier transform. <i>Journal of Electronic Imaging</i> , 2009, 18, 043012.	0.5	19
31	An investigation on the use of local multi-resolution patterns for image classification. <i>Information Sciences</i> , 2016, 361-362, 1-13.	4.0	18
32	[123I]Metaiodobenzylguanidine (MIBG) Cardiac Scintigraphy and Automated Classification Techniques in Parkinsonian Disorders. <i>Molecular Imaging and Biology</i> , 2020, 22, 703-710.	1.3	17
33	Experimental Assessment of Color Deconvolution and Color Normalization for Automated Classification of Histology Images Stained with Hematoxylin and Eosin. <i>Cancers</i> , 2020, 12, 3337.	1.7	17
34	Colour and Texture Descriptors for Visual Recognition: A Historical Overview. <i>Journal of Imaging</i> , 2021, 7, 245.	1.7	17
35	Automatic Characterization of the Visual Appearance of Industrial Materials through Colour and Texture Analysis: An Overview of Methods and Applications. <i>Advances in Optical Technologies</i> , 2013, 2013, 1-11.	0.8	14
36	General Framework for Rotation Invariant Texture Classification Through Co-occurrence of Patterns. <i>Journal of Mathematical Imaging and Vision</i> , 2014, 50, 300-313.	0.8	14

#	ARTICLE	IF	CITATIONS
37	Interoperability among CAD/CAM/CAE Systems: A Review of Current Research Trends. , 0, , .		13
38	Classification of urban areas from GeoEye-1 imagery through texture features based on Histograms of Equivalent Patterns. European Journal of Remote Sensing, 2016, 49, 93-120.	1.7	13
39	On Comparing Colour Spaces From a Performance Perspective: Application to Automated Classification of Polished Natural Stones. Lecture Notes in Computer Science, 2015, , 71-78.	1.0	13
40	Evaluation of Colour Pre-processing on Patch-Based Classification of H&E-Stained Images. Lecture Notes in Computer Science, 2019, , 56-64.	1.0	12
41	In Vivo Assessment of Water Content, Trans-Epidermal Water Loss and Thickness in Human Facial Skin. Applied Sciences (Switzerland), 2020, 10, 6139.	1.3	12
42	Grain-size assessment of fine and coarse aggregates through bipolar area morphology. Machine Vision and Applications, 2015, 26, 775-789.	1.7	11
43	Artificial intelligence techniques support nuclear medicine modalities to improve the diagnosis of Parkinson's disease and Parkinsonian syndromes. Clinical and Translational Imaging, 2021, 9, 19-35.	1.1	11
44	The Role and Potential of 18F-FDG PET/CT in Malignant Melanoma: Prognostication, Monitoring Response to Targeted and Immunotherapy, and Radiomics. Diagnostics, 2022, 12, 929.	1.3	11
45	A web-based simulation game as a learning tool for the design process of complex systems. Journal of Design Research, 2006, 5, 253.	0.1	9
46	Texture Classification Through Combination of Sequential Colour Texture Classifiers. , 2007, , 231-240.		9
47	Evaluation of visual descriptors for painting categorisation. IOP Conference Series: Materials Science and Engineering, 2018, 364, 012037.	0.3	8
48	Radiomic Machine Learning: Is It Really a Useful Method for the Characterization of Prostate Cancer?. Radiology, 2019, 291, 269-270.	3.6	8
49	Classification Model to Estimate MIB-1 (Ki 67) Proliferation Index in NSCLC Patients Evaluated With ¹⁸ F-FDG-PET/CT. Anticancer Research, 2020, 40, 3355-3360.	0.5	8
50	Impact of Lesion Delineation and Intensity Quantisation on the Stability of Texture Features from Lung Nodules on CT: A Reproducible Study. Diagnostics, 2021, 11, 1224.	1.3	7
51	A Unifying Framework for LBP and Related Methods. Studies in Computational Intelligence, 2014, , 17-46.	0.7	7
52	Form Factors as Potential Imaging Biomarkers to Differentiate Benign vs. Malignant Lung Lesions on CT Scans. Sensors, 2022, 22, 5044.	2.1	7
53	Experimental characterization of the color rendering properties of transparent monolithic aerogel. Solar Energy, 2020, 205, 183-191.	2.9	6
54	Skin Characterizations by Using Contact Capacitive Imaging and High-Resolution Ultrasound Imaging with Machine Learning Algorithms. Applied Sciences (Switzerland), 2021, 11, 8714.	1.3	6

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55	Personal identification based on skin texture features from the forearm and multi-modal imaging. Skin Research and Technology, 2017, 23, 392-398.	0.8	5
56	A Texture Analysis Approach to Identifying Sabellaria Spinulosa Colonies in Sidescan Sonar Imagery. , 2011, , .		4
57	On the use of skin texture features for gender recognition: An experimental evaluation. , 2016, , .		4
58	Visual Localization in the Presence of Appearance Changes Using the Partial Order Kernel. , 2018, , .		3
59	CNN-Based Refactoring of Hand-Designed Filters for Texture Analysis: A Classic Revisited. IEEE Access, 2019, 7, 173076-173085.	2.6	3
60	Counting local n-ary patterns. Pattern Recognition Letters, 2019, 117, 24-29.	2.6	3
61	Partial Order Rank Features in Colour Space. Applied Sciences (Switzerland), 2020, 10, 499.	1.3	3
62	Hand-Designed Local Image Descriptors vs. Off-the-Shelf CNN-Based Features for Texture Classification: An Experimental Comparison. Smart Innovation, Systems and Technologies, 2018, , 1-10.	0.5	3
63	Classification of Tissue Regions in Histopathological Images: Comparison Between Pre-trained Convolutional Neural Networks and Local Binary Patterns Variants. Intelligent Systems Reference Library, 2020, , 95-115.	1.0	2
64	Texture Classification Using Rotation Invariant LBP Based on Digital Polygons. Lecture Notes in Computer Science, 2015, , 87-94.	1.0	2
65	Compact Color Texture Descriptor Based on Rank Transform and Product Ordering in the RGB Color Space. , 2017, , .		1
66	LBP-Motivated Colour Texture Classification. Lecture Notes in Computer Science, 2019, , 517-533.	1.0	1
67	Special Issue Texture and Color in Image Analysis. Applied Sciences (Switzerland), 2021, 11, 3801.	1.3	1
68	Shape and Texture Analysis of Radiomic Data for Computer-Assisted Diagnosis and Prognostication: An Overview. Lecture Notes in Mechanical Engineering, 2020, , 3-14.	0.3	1
69	Semi-automatic Modeling of Reverse-Engineered Shapes through Design-by-Feature and Genetic Algorithms. , 2008, , .		0
70	Performance assessment of multi-level image thresholding for paper quality inspection. International Journal of Service and Computing Oriented Manufacturing, 2014, 1, 281.	0.2	0
71	Experimental analysis of colour constancy and colour augmentation for painting classification by artistic genre: preliminary results. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012065.	0.3	0
72	Solitary pulmonary nodule: Is positron emission tomography/computed tomography radiomics a valid diagnostic approach?. Lung India, 2021, 38, 405.	0.3	0

#	ARTICLE	IF	CITATIONS
73	ENUMERATING NECKLACES WITH TRANSITIONS. Bulletin of the Australian Mathematical Society, 0, , 1-11.	0.3	0
74	PET with amino acid tracers and radiomics: An emerging opportunity for the diagnosis of brain tumours. Revista Espanola De Medicina Nuclear E Imagen Molecular, 2022, 41, 136.	0.1	0
75	123I-MIBG Cardiac Scintigraphy and Heart/Mediastinum Ratio in Neurodegenerative Disorders: Is Delayed Scan Really Necessary?. Current Radiopharmaceuticals, 2022, 15, .	0.3	0