

Giovanni Dimauro

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,055
citations

471509

17
h-index

552781

26
g-index

70
all docs

70
docs citations

70
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	A new technique for fast number comparison in the residue number system. IEEE Transactions on Computers, 1993, 42, 608-612.	3.4	82
2	Assessment of Speech Intelligibility in Parkinson's Disease Using a Speech-To-Text System. IEEE Access, 2017, 5, 22199-22208.	4.2	68
3	A New Method and a Non-Invasive Device to Estimate Anemia Based on Digital Images of the Conjunctiva. IEEE Access, 2018, 6, 46968-46975.	4.2	58
4	Cloud Computing for Education: A Systematic Mapping Study. IEEE Transactions on Education, 2018, 61, 234-244.	2.4	54
5	Recent Advancements in Automatic Signature Verification. , 0, , .		50
6	Nasal cytology with deep learning techniques. International Journal of Medical Informatics, 2019, 122, 13-19.	3.3	42
7	A novel approach to evaluate blood parameters using computer vision techniques. , 2016, , .		35
8	Deep learning for processing electromyographic signals: A taxonomy-based survey. Neurocomputing, 2021, 452, 549-565.	5.9	34
9	Selection of reference signatures for automatic signature verification. , 1999, , .		32
10	Analysis of stability in hand-written dynamic signatures. , 0, , .		32
11	A SIFT-based software system for the photo-identification of the Risso's dolphin. Ecological Informatics, 2019, 50, 95-101.	5.2	31
12	Detecting Clinical Signs of Anaemia From Digital Images of the Palpebral Conjunctiva. IEEE Access, 2019, 7, 113488-113498.	4.2	30
13	TestGraphia, a Software System for the Early Diagnosis of Dysgraphia. IEEE Access, 2020, 8, 19564-19575.	4.2	30
14	Managing a Smart City Integrated Model through Smart Program Management. Applied Sciences (Switzerland), 2020, 10, 714.	2.5	29
15	Convolutional Neural Networks for Risso's Dolphins Identification. IEEE Access, 2020, 8, 80195-80206.	4.2	26
16	VoxTester, software for digital evaluation of speech changes in Parkinson disease. , 2016, , .		24
17	A novel approach for Hepatocellular Carcinoma detection and classification based on triphasic CT Protocol. , 2017, , .		23
18	Semantic Segmentation of Conjunctiva Region for Non-Invasive Anemia Detection Applications. Electronics (Switzerland), 2020, 9, 1309.	3.1	23

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19	The patient centered Electronic Multimedia Health Fascicle - EMHF. , 2014, , .		22
20	RNS architectures for the implementation of the `diagonal function'. Information Processing Letters, 2000, 73, 189-198.	0.6	21
21	Personal Heart Health Monitoring Based on 1D Convolutional Neural Network. Journal of Imaging, 2021, 7, 26.	3.0	21
22	A new image quality metric based on human visual system. , 2012, , .		20
23	CRISPRLearner: A Deep Learning-Based System to Predict CRISPR/Cas9 sgRNA On-Target Cleavage Efficiency. Electronics (Switzerland), 2019, 8, 1478.	3.1	18
24	Combined Color Semantics and Deep Learning for the Automatic Detection of Dolphin Dorsal Fins. Electronics (Switzerland), 2020, 9, 758.	3.1	18
25	Estimate of Anemia with New Non-Invasive Systemsâ€”A Moment of Reflection. Electronics (Switzerland), 2020, 9, 780.	3.1	18
26	Rhino-Cyt: A System for Supporting the Rhinologist in the Analysis of Nasal Cytology. Lecture Notes in Computer Science, 2018, , 619-630.	1.3	17
27	Residue-to-binary conversion by the "quotient function". IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2003, 50, 488-493.	2.2	16
28	Novel Biased Normalized Cuts Approach for the Automatic Segmentation of the Conjunctiva. Electronics (Switzerland), 2020, 9, 997.	3.1	15
29	A Novel Approach for Biofilm Detection Based on a Convolutional Neural Network. Electronics (Switzerland), 2020, 9, 881.	3.1	15
30	PQMET: A digital image quality metric based on human visual system. , 2014, , .		14
31	A Systematic Mapping Study on Research in Anemia Assessment with Non-Invasive Devices. Applied Sciences (Switzerland), 2020, 10, 4804.	2.5	14
32	A new database for research on bank-check processing. , 0, , .		13
33	A Systematic Mapping Study in Cloud for Educational Innovation. Applied Sciences (Switzerland), 2020, 10, 4531.	2.5	8
34	Numeral recognition by weighting local decisions. , 0, , .		7
35	Design and Execution of Integrated Clinical Pathway: A Simplified Meta-Model and Associated Methodology. Information (Switzerland), 2020, 11, 362.	2.9	7
36	Comparative Analysis of Rhino-Cytological Specimens with Image Analysis and Deep Learning Techniques. Electronics (Switzerland), 2020, 9, 952.	3.1	7

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37	A new magnitude function for fast numbers comparison in the residue number system. <i>Microprocessing and Microprogramming</i> , 1992, 35, 97-104.	0.2	6
38	Image basic features indexing techniques for video skimming. , 0, , .		6
39	On the combination of $\{it abstract-level\}$ classifiers. <i>International Journal on Document Analysis and Recognition</i> , 2003, 6, 42-54.	3.4	6
40	The promise of machine learning in the Rissoâ€™s dolphin <i>Grampus griseus</i> photo-identification. , 2018, , .		5
41	A Smartphone-Based Cell Segmentation to Support Nasal Cytology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4567.	2.5	4
42	Bioelectronic Technologies and Artificial Intelligence for Medical Diagnosis and Healthcare. <i>Electronics (Switzerland)</i> , 2021, 10, 1242.	3.1	4
43	Integration of a structural features-based preclassifier and a man-machine interactive classifier for a fast multi-stroke character recognition. , 0, , .		3
44	From character to cursive script recognition: future trends in scientific research. , 0, , .		3
45	Electronic document image resizing. , 1999, , .		3
46	Knowledge-based methods for classifier combination: an experimental investigation. , 0, , .		3
47	Exploiting species-distinctive visual cues towards the automated photo-identification of the Rissoâ€™s dolphin <i>Grampus griseus</i> . , 2018, , .		3
48	A Novel Approach for the Automatic Estimation of the Ciliated Cell Beating Frequency. <i>Electronics (Switzerland)</i> , 2020, 9, 1002.	3.1	3
49	Deriving Smart City Security From the Analysis of Their Technological Levels: a Case Study. , 2021, , .		3
50	Predictive models for abundance estimation and distribution maps of the striped dolphin <i>Stenella coeruleoalba</i> and the bottlenose dolphin <i>Tursiops truncatus</i> in the Northern Ionian Sea (North-eastern Central Mediterranean). , 2019, , .		3
51	<title>New decision tree algorithm for handwritten numerals recognition using topological features</title>. , 1991, 1384, 280.		2
52	A qualitative measure of Jpeg compressed image. , 2010, , .		2
53	Experimentation of Flipped Learning in Higher Education Academy. <i>FEBS Journal</i> , 2019, 12, 1891-1898.	4.7	2
54	Classification of ambiguous patterns. , 0, , .		1

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55	ELVIS: A system for interact, socialize and learn in a personal learning environment. , 2010, , .		1
56	Classification of Cardiac Tones of Mechanical and Native Mitral Valves. Lecture Notes in Electrical Engineering, 2021, , 211-222.	0.4	1
57	Semantic segmentation of multimodal point clouds from the railway context. , 2021, , .		1
58	Multimodal data fusion and analysis for cetaceansâ€™ presence and abundance estimation in the Gulf of Taranto. , 2021, , .		1
59	Contour extraction algorithm for the automated photo-identification of dolphins. , 2021, , .		1
60	A Neural Network Model Sensitive To Oriented Slabs. Proceedings of SPIE, 1989, 1090, 373.	0.8	0
61	The 'diagonal function' in non-redundant residue number system. , 0, , .		0
62	A new database of confusing characters for testing character recognition algorithms. , 0, , .		0
63	Automatic stitching and segmentation of roots images for the generation of labelled deep learning-ready data. , 2021, , .		0
64	TestGraphia, Document Analysis-Based Diagnosis of Dysgraphia. Lecture Notes in Electrical Engineering, 2021, , 223-242.	0.4	0
65	Innovative classification of dolphins using deep neural networks and GrabCut. , 2020, , .		0
66	RhinoSmart: a smartphone based system for rhino-cell segmentation. , 2020, , .		0
67	Supporting Secure Agile Development: the VIS-PRISE Tool. , 2022, , .		0