

Giovanni Dimauro

List of Publications by Year in descending order

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67
papers

1,055
citations

535685

17
h-index

620720

26
g-index

70
all docs

70
docs citations

70
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Supporting Secure Agile Development: the VIS-PRISE Tool. , 2022, , .		0
2	Deep learning for processing electromyographic signals: A taxonomy-based survey. Neurocomputing, 2021, 452, 549-565.	3.5	34
3	Classification of Cardiac Tones of Mechanical and Native Mitral Valves. Lecture Notes in Electrical Engineering, 2021, , 211-222.	0.3	1
4	Personal Heart Health Monitoring Based on 1D Convolutional Neural Network. Journal of Imaging, 2021, 7, 26.	1.7	21
5	Bioelectronic Technologies and Artificial Intelligence for Medical Diagnosis and Healthcare. Electronics (Switzerland), 2021, 10, 1242.	1.8	4
6	Semantic segmentation of multimodal point clouds from the railway context. , 2021, , .		1
7	Automatic stitching and segmentation of roots images for the generation of labelled deep learning-ready data. , 2021, , .		0
8	Deriving Smart City Security From the Analysis of Their Technological Levels: a Case Study. , 2021, , .		3
9	TestGraphia, Document Analysis-Based Diagnosis of Dysgraphia. Lecture Notes in Electrical Engineering, 2021, , 223-242.	0.3	0
10	Multimodal data fusion and analysis for cetaceansâ€™ presence and abundance estimation in the Gulf of Taranto. , 2021, , .		1
11	Contour extraction algorithm for the automated photo-identification of dolphins. , 2021, , .		1
12	A Smartphone-Based Cell Segmentation to Support Nasal Cytology. Applied Sciences (Switzerland), 2020, 10, 4567.	1.3	4
13	A Systematic Mapping Study in Cloud for Educational Innovation. Applied Sciences (Switzerland), 2020, 10, 4531.	1.3	8
14	Design and Execution of Integrated Clinical Pathway: A Simplified Meta-Model and Associated Methodology. Information (Switzerland), 2020, 11, 362.	1.7	7
15	A Systematic Mapping Study on Research in Anemia Assessment with Non-Invasive Devices. Applied Sciences (Switzerland), 2020, 10, 4804.	1.3	14
16	Semantic Segmentation of Conjunctiva Region for Non-Invasive Anemia Detection Applications. Electronics (Switzerland), 2020, 9, 1309.	1.8	23
17	Convolutional Neural Networks for Rissoâ€™s Dolphins Identification. IEEE Access, 2020, 8, 80195-80206.	2.6	26
18	Combined Color Semantics and Deep Learning for the Automatic Detection of Dolphin Dorsal Fins. Electronics (Switzerland), 2020, 9, 758.	1.8	18

#	ARTICLE	IF	CITATIONS
19	Estimate of Anemia with New Non-Invasive Systems – A Moment of Reflection. Electronics (Switzerland), 2020, 9, 780.	1.8	18
20	Comparative Analysis of Rhino-Cytological Specimens with Image Analysis and Deep Learning Techniques. Electronics (Switzerland), 2020, 9, 952.	1.8	7
21	Novel Biased Normalized Cuts Approach for the Automatic Segmentation of the Conjunctiva. Electronics (Switzerland), 2020, 9, 997.	1.8	15
22	A Novel Approach for the Automatic Estimation of the Ciliated Cell Beating Frequency. Electronics (Switzerland), 2020, 9, 1002.	1.8	3
23	A Novel Approach for Biofilm Detection Based on a Convolutional Neural Network. Electronics (Switzerland), 2020, 9, 881.	1.8	15
24	Managing a Smart City Integrated Model through Smart Program Management. Applied Sciences (Switzerland), 2020, 10, 714.	1.3	29
25	TestGraphia, a Software System for the Early Diagnosis of Dysgraphia. IEEE Access, 2020, 8, 19564-19575.	2.6	30
26	Innovative classification of dolphins using deep neural networks and GrabCut. , 2020, , .		0
27	RhinoSmart: a smartphone based system for rhino-cell segmentation. , 2020, , .		0
28	Detecting Clinical Signs of Anaemia From Digital Images of the Palpebral Conjunctiva. IEEE Access, 2019, 7, 113488-113498.	2.6	30
29	A SIFT-based software system for the photo-identification of the Risso's dolphin. Ecological Informatics, 2019, 50, 95-101.	2.3	31
30	CRISPRLearner: A Deep Learning-Based System to Predict CRISPR/Cas9 sgRNA On-Target Cleavage Efficiency. Electronics (Switzerland), 2019, 8, 1478.	1.8	18
31	Nasal cytology with deep learning techniques. International Journal of Medical Informatics, 2019, 122, 13-19.	1.6	42
32	Experimentation of Flipped Learning in Higher Education Academy. FEBS Journal, 2019, 12, 1891-1898.	2.2	2
33	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
34	Cloud Computing for Education: A Systematic Mapping Study. IEEE Transactions on Education, 2018, 61, 234-244.	2.0	54
35	The promise of machine learning in the Risso's dolphin <i>Grampus griseus</i> photo-identification. , 2018, , .		5
36	Exploiting species-distinctive visual cues towards the automated photo-identification of the Risso's dolphin <i>Grampus griseus</i> . , 2018, , .		3

#	ARTICLE	IF	CITATIONS
37	A New Method and a Non-Invasive Device to Estimate Anemia Based on Digital Images of the Conjunctiva. IEEE Access, 2018, 6, 46968-46975.	2.6	58
38	Rhino-Cyt: A System for Supporting the Rhinologist in the Analysis of Nasal Cytology. Lecture Notes in Computer Science, 2018, , 619-630.	1.0	17
39	A novel approach for Hepatocellular Carcinoma detection and classification based on triphasic CT Protocol. , 2017, , .		23
40	Assessment of Speech Intelligibility in Parkinsonâ€™s Disease Using a Speech-To-Text System. IEEE Access, 2017, 5, 22199-22208.	2.6	68
41	A novel approach to evaluate blood parameters using computer vision techniques. , 2016, , .		35
42	VoxTester, software for digital evaluation of speech changes in Parkinson disease. , 2016, , .		24
43	PQMET: A digital image quality metric based on human visual system. , 2014, , .		14
44	The patient centered Electronic Multimedia Health Fascicle - EMHF. , 2014, , .		22
45	A new image quality metric based on human visual system. , 2012, , .		20
46	ELVIS: A system for interact, socialize and learn in a personal learning environment. , 2010, , .		1
47	A qualitative measure of Jpeg compressed image. , 2010, , .		2
48	On the combination of $\{it abstract-level\}$ classifiers. International Journal on Document Analysis and Recognition, 2003, 6, 42-54.	2.7	6
49	Residue-to-binary conversion by the "quotient function". IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2003, 50, 488-493.	2.3	16
50	RNS architectures for the implementation of the 'diagonal function'. Information Processing Letters, 2000, 73, 189-198.	0.4	21
51	Electronic document image resizing. , 1999, , .		3
52	Selection of reference signatures for automatic signature verification. , 1999, , .		32
53	A new technique for fast number comparison in the residue number system. IEEE Transactions on Computers, 1993, 42, 608-612.	2.4	82
54	A new magnitude function for fast numbers comparison in the residue number system. Microprocessing and Microprogramming, 1992, 35, 97-104.	0.3	6

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55	<title>New decision tree algorithm for handwritten numerals recognition using topological features</title>. , 1991, 1384, 280.		2
56	A Neural Network Model Sensitive To Oriented Slabs. Proceedings of SPIE, 1989, 1090, 373.	0.8	0
57	Integration of a structural features-based preclassifier and a man-machine interactive classifier for a fast multi-stroke character recognition. , 0, , .		3
58	From character to cursive script recognition: future trends in scientific research. , 0, , .		3
59	Classification of ambiguous patterns. , 0, , .		1
60	The 'diagonal function' in non-redundant residue number system. , 0, , .		0
61	Image basic features indexing techniques for video skimming. , 0, , .		6
62	Knowledge-based methods for classifier combination: an experimental investigation. , 0, , .		3
63	A new database of confusing characters for testing character recognition algorithms. , 0, , .		0
64	Analysis of stability in hand-written dynamic signatures. , 0, , .		32
65	A new database for research on bank-check processing. , 0, , .		13
66	Numeral recognition by weighting local decisions. , 0, , .		7
67	Recent Advancements in Automatic Signature Verification. , 0, , .		50