

# Elena Casiraghi

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,966  
citations

430874

18  
h-index

265206

42  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated image analysis to assess hygienic behaviour of honeybees. <i>PLoS ONE</i> , 2022, 17, e0263183.	2.5	2
2	An approach to evaluate the quality of radiological reports in Head and Neck cancer loco-regional staging: experience of two Academic Hospitals. <i>Radiologia Medica</i> , 2022, 127, 407-413.	7.7	2
3	Heterogeneous data integration methods for patient similarity networks. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	12
4	Risk of new-onset psychiatric sequelae of COVID-19 in the early and late post-acute phase. <i>World Psychiatry</i> , 2022, 21, 319-320.	10.4	15
5	15 Years of Stanca Act: Are Italian Public universities websites accessible?. <i>Universal Access in the Information Society</i> , 2021, 20, 185-200.	3.0	9
6	Volume-of-Interest Aware Deep Neural Networks for Rapid Chest CT-Based COVID-19 Patient Risk Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2842.	2.6	7
7	Table understanding approaches for extracting knowledge from heterogeneous tables. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2021, 11, e1407.	6.8	8
8	Scoping review on automatic color equalization algorithm. <i>Journal of Electronic Imaging</i> , 2021, 30, .	0.9	9
9	Variations in volume of emergency surgeries and emergency department access at a third level hospital in Milan, Lombardy, during the COVID-19 outbreak. <i>BMC Emergency Medicine</i> , 2021, 21, 59.	1.9	11
10	Pseudo-pneumatosis of the gastrointestinal tract: its incidence and the accuracy of a checklist supported by artificial intelligence (AI) techniques to reduce the misinterpretation of pneumatosis. <i>Emergency Radiology</i> , 2021, 28, 911-919.	1.8	1
11	HEMDAG: a family of modular and scalable hierarchical ensemble methods to improve Gene Ontology term prediction. <i>Bioinformatics</i> , 2021, 37, 4526-4533.	4.1	2
12	Abdominal Computed Tomography Imaging Findings in Hospitalized COVID-19 Patients: A Year-Long Experience and Associations Revealed by Explainable Artificial Intelligence. <i>Journal of Imaging</i> , 2021, 7, 258.	3.0	2
13	Supervised learning with word embeddings derived from PubMed captures latent knowledge about protein kinases and cancer. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab113.	3.2	4
14	Frozen Section Analysis and Real-Time Magnetic Resonance Imaging of Surgical Specimen Oriented on 3D Printed Tongue Model to Assess Surgical Margins in Oral Tongue Carcinoma: Preliminary Results. <i>Frontiers in Oncology</i> , 2021, 11, 735002.	2.8	2
15	Characterization of liver nodules in patients with chronic liver disease by MRI: performance of the Liver Imaging Reporting and Data System (LI-RADS v.2018) scale and its comparison with the Likert scale. <i>Radiologia Medica</i> , 2020, 125, 15-23.	7.7	27
16	Chest CT in patients with a moderate or high pretest probability of COVID-19 and negative swab. <i>Radiologia Medica</i> , 2020, 125, 1260-1270.	7.7	37
17	Explainable Machine Learning for Early Assessment of COVID-19 Risk Prediction in Emergency Departments. <i>IEEE Access</i> , 2020, 8, 196299-196325.	4.2	55
18	Complex Data Imputation by Auto-Encoders and Convolutional Neural Networks – A Case Study on Genome Gap-Filling. <i>Computers</i> , 2020, 9, 37.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Network modeling of patients' biomolecular profiles for clinical phenotype/outcome prediction. <i>Scientific Reports</i> , 2020, 10, 3612.	3.3	11
20	A cockpit of multiple measures for assessing film restoration quality. <i>Pattern Recognition Letters</i> , 2020, 131, 178-184.	4.2	11
21	Human Digital Twin for Fitness Management. <i>IEEE Access</i> , 2020, 8, 26637-26664.	4.2	116
22	Bayesian Optimization Improves Tissue-Specific Prediction of Active Regulatory Regions with Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 600-612.	1.3	1
23	A Graphical Tool for the Exploration and Visual Analysis of Biomolecular Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 88-98.	1.3	0
24	UNIPred-Web: a web tool for the integration and visualization of biomolecular networks for protein function prediction. <i>BMC Bioinformatics</i> , 2019, 20, 422.	2.6	9
25	Virtual Assistants for End-User Development in the Internet of Things. <i>Lecture Notes in Computer Science</i> , 2019, , 209-216.	1.3	6
26	ki67 nuclei detection and ki67-index estimation: a novel automatic approach based on human vision modeling. <i>BMC Bioinformatics</i> , 2019, 20, 733.	2.6	11
27	A Survey on Digital Twin: Definitions, Characteristics, Applications, and Design Implications. <i>IEEE Access</i> , 2019, 7, 167653-167671.	4.2	616
28	A novel computational method for automatic segmentation, quantification and comparative analysis of immunohistochemically labeled tissue sections. <i>BMC Bioinformatics</i> , 2018, 19, 357.	2.6	17
29	Tumor-derived microRNAs induce myeloid suppressor cells and predict immunotherapy resistance in melanoma. <i>Journal of Clinical Investigation</i> , 2018, 128, 5505-5516.	8.2	193
30	Linear Regularized Compression of Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 244-253.	1.3	0
31	MIAQuant, a novel system for automatic segmentation, measurement, and localization comparison of different biomarkers from serialized histological slices. <i>European Journal of Histochemistry</i> , 2017, 61, 2838.	1.5	11
32	Intrinsic Dimension Estimation: Relevant Techniques and a Benchmark Framework. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-21.	1.1	65
33	The value of precontrast thoraco-abdominopelvic CT in polytrauma patients. <i>European Journal of Radiology</i> , 2015, 84, 1212-1218.	2.6	8
34	A Novel Intrinsic Dimensionality Estimator Based on Rank-Order Statistics. <i>Lecture Notes in Computer Science</i> , 2015, , 102-117.	1.3	1
35	Neighborhood Selection for Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2015, , 183-191.	1.3	2
36	Epidemiological profile of non-traumatic emergencies of the neck in CT imaging: our experience. <i>Radiologia Medica</i> , 2014, 119, 784-789.	7.7	9

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37	DANCo: An intrinsic dimensionality estimator exploiting angle and norm concentration. Pattern Recognition, 2014, 47, 2569-2581.	8.1	55
38	Local Intrinsic Dimensionality Based Features for Clustering. Lecture Notes in Computer Science, 2013, , 41-50.	1.3	5
39	Novel high intrinsic dimensionality estimators. Machine Learning, 2012, 89, 37-65.	5.4	58
40	Novel Fisher discriminant classifiers. Pattern Recognition, 2012, 45, 3725-3737.	8.1	23
41	Intestinal interposition: the prevalence and clinical relevance of non-hepatodiaphragmatic conditions (non-Chilaiditi forms) documented by CT and review of the literature. Radiologia Medica, 2011, 116, 607-619.	7.7	7
42	Minimum Neighbor Distance Estimators of Intrinsic Dimension. Lecture Notes in Computer Science, 2011, , 374-389.	1.3	23
43	IDEA: Intrinsic Dimension Estimation Algorithm. Lecture Notes in Computer Science, 2011, , 433-442.	1.3	20
44	A segmentation framework for abdominal organs from CT scans. Artificial Intelligence in Medicine, 2010, 50, 3-11.	6.5	38
45	PIPCAC: A Novel Binary Classifier Assuming Mixtures of Gaussian Functions. , 2010, , .		0
46	Liver segmentation from computed tomography scans: A survey and a new algorithm. Artificial Intelligence in Medicine, 2009, 45, 185-196.	6.5	157
47	Novel IPCA-Based Classifiers and Their Application to Spam Filtering. , 2009, , .		8
48	3D Volume Reconstruction and Biometric Analysis of Fetal Brain from MR Images. Lecture Notes in Computer Science, 2009, , 188-197.	1.3	2
49	The Neighbors Voting Algorithm and Its Applications. Studies in Computational Intelligence, 2009, , 151-173.	0.9	3
50	Automatic Abdominal Organ Segmentation from CT images. Electronic Letters on Computer Vision and Image Analysis, 2009, 8, 1.	0.6	40
51	Fully Automatic Segmentation of Abdominal Organs from CT Images Using Fast Marching Methods. , 2008, , .		12
52	A Partial Coverage Based Approach to Classification. , 2007, , .		1
53	Automatic liver segmentation from abdominal CT scans. , 2007, , .		12
54	Automatic Segmentation of Abdominal Organs from CT Scans. , 2007, , .		2

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55	Liver Segmentation from CT Scans: A Survey. Lecture Notes in Computer Science, 2007, , 520-528.	1.3	24
56	3D $\hat{\pm}$ -Expansion and Graph Cut Algorithms for Automatic Liver Segmentation from CT Images. , 2007, , 421-428.		2
57	A Fully Automated Method for Lung Nodule Detection From Postero-Anterior Chest Radiographs. IEEE Transactions on Medical Imaging, 2006, 25, 1588-1603.	8.9	85
58	An Automatic Feature Based Face Authentication System,. Lecture Notes in Computer Science, 2006, , 120-126.	1.3	2
59	Support vector machines for candidate nodules classification. Neurocomputing, 2005, 68, 281-288.	5.9	45
60	Lung nodules detection and classification. , 2005, , .		5
61	Pruning the Nodule Candidate Set in Postero Anterior Chest Radiographs. , 2005, , 37-43.		0
62	Nodule Detection in Postero Anterior Chest Radiographs. Lecture Notes in Computer Science, 2004, , 1048-1049.	1.3	3
63	A Face Detection System Based on Color and Support Vector Machines. Lecture Notes in Computer Science, 2003, , 113-120.	1.3	5
64	LUNG EDGE DETECTION IN POSTERO ANTERIOR CHEST RADIOGRAPHS. , 2003, , .		2
65	Detection of Facial Features. Lecture Notes in Computer Science, 2002, , 124-131.	1.3	1
66	Artificial Intelligence in Predicting Clinical Outcome in COVID-19 Patients from Clinical, Biochemical and a Qualitative Chest X-Ray Scoring System. Reports in Medical Imaging, 0, Volume 14, 27-39.	0.8	4
67	Diagnostic Performance of Chest CT in Suspected COVID-19 Patients with a Negative First RT-PCR Testing. SSRN Electronic Journal, 0, , .	0.4	0