Roberto Gatta

List of Publications by Year
in descending order

55 papers	2,898 citations	394286 19 h-index	206029 48 g-index
56 all docs	56 docs citations	56 times ranked	3936 citing authors

#	Article	IF	Citations
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	3.6	1,869
2	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. Radiologia Medica, 2018, 123, 286-295.	4.7	91
3	Process mining for healthcare: Characteristics and challenges. Journal of Biomedical Informatics, 2022, 127, 103994.	2.5	91
4	Magnetic Resonance, Vendor-independent, Intensity Histogram Analysis Predicting Pathologic Complete Response After Radiochemotherapy of Rectal Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 765-774.	0.4	81
5	A field strength independent MR radiomics model to predict pathological complete response in locally advanced rectal cancer. Radiologia Medica, 2021, 126, 421-429.	4.7	67
6	ENT COBRA ONTOLOGY: the covariates classification system proposed by the Head & Neck and Skin GEC-ESTRO Working Group for interdisciplinary standardized data collection in head and neck patient cohorts treated with interventional radiotherapy (brachytherapy). Journal of Contemporary Brachytherapy, 2018, 10, 260-266.	0.4	44
7	Moddicom: a complete and easily accessible library for prognostic evaluations relying on image features. , 2015, 2015, 771-4.		39
8	Towards a modular decision support system for radiomics: A case study on rectal cancer. Artificial Intelligence in Medicine, 2019, 96, 145-153.	3.8	36
9	Integrating radiomics into holomics for personalised oncology: from algorithms to bedside. European Radiology Experimental, 2020, 4, 11.	1.7	36
10	pMineR: An Innovative R Library for Performing Process Mining in Medicine. Lecture Notes in Computer Science, 2017, , 351-355.	1.0	34
11	Radiomics for rectal cancer. Translational Cancer Research, 2016, 5, 424-431.	0.4	34
12	Unattended Versus Attended Blood Pressure Measurement. Hypertension, 2019, 73, 736-742.	1.3	33
13	Standardized data collection to build prediction models in oncology: a prototype for rectal cancer. Future Oncology, 2016, 12, 119-136.	1.1	32
14	Recommendations for enhancing the usability and understandability of process mining in healthcare. Artificial Intelligence in Medicine, 2020, 109, 101962.	3.8	32
15	Unattended versus attended blood pressure measurement: Mean values and determinants of the difference. International Journal of Cardiology, 2019, 274, 305-310.	0.8	26
16	Process Mining Dashboard in Operating Rooms: Analysis of Staff Expectations with Analytic Hierarchy Process. International Journal of Environmental Research and Public Health, 2019, 16, 199.	1.2	23
17	Role of 18F-FDG PET/CT Radiomics Features in the Differential Diagnosis of Solitary Pulmonary Nodules: Diagnostic Accuracy and Comparison between Two Different PET/CT Scanners. Journal of Clinical Medicine, 2021, 10, 5064.	1.0	23
18	Cetuximab in the treatment of metastatic mucoepidermoid carcinoma of the salivary glands: A case report and review of literature. Journal of Medical Case Reports, 2008, 2, 320.	0.4	22

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19	Exploring technical issues in personalized medicine: NSCLC survival prediction by quantitative image analysisâ€"usefulness of density correction of volumetric CT data. Radiologia Medica, 2020, 125, 625-635.	4.7	21
20	Generating and Comparing Knowledge Graphs of Medical Processes Using pMineR. , 2017, , .		20
21	VATE: VAlidation of high TEchnology based on large database analysis by learning machine. Colorectal Cancer, 2014, 3, 435-450.	0.8	19
22	(68Ga)-PSMA-PET/CT for the detection of postoperative prostate cancer recurrence: Possible implications on treatment volumes for radiation therapy. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2019, 23, 194-200.	0.6	19
23	Assessing the conformity to clinical guidelines in oncology. Management Decision, 2018, 56, 2172-2186.	2.2	16
24	Distributed Learning to Protect Privacy inÂMulti-centric Clinical Studies. Lecture Notes in Computer Science, 2015, , 65-75.	1.0	15
25	Clinical Guidelines: A Crossroad of Many Research Areas. Challenges and Opportunities in Process Mining for Healthcare. Lecture Notes in Business Information Processing, 2019, , 545-556.	0.8	14
26	Comparison between Two Different Scanners for the Evaluation of the Role of 18F-FDG PET/CT Semiquantitative Parameters and Radiomics Features in the Prediction of Final Diagnosis of Thyroid Incidentalomas. Journal of Clinical Medicine, 2022, 11, 615.	1.0	13
27	What Role Can Process Mining Play in Recurrent Clinical Guidelines Issues? A Position Paper. International Journal of Environmental Research and Public Health, 2020, 17, 6616.	1.2	12
28	The role of 18F-FDG PET/CT radiomics in lymphoma. Clinical and Translational Imaging, 2021, 9, 589-598.	1.1	10
29	PRODIGE: PRediction models in prOstate cancer for personalized meDIcine challenGE. Future Oncology, 2017, 13, 2171-2181.	1.1	9
30	Predicting Radiotherapy Impact on Late Bladder Toxicity in Prostate Cancer Patients: An Observational Study. Cancers, 2021, 13, 175.	1.7	9
31	Radiomics in Oncological PET Imaging: A Systematic Reviewâ€"Part 1, Supradiaphragmatic Cancers. Diagnostics, 2022, 12, 1329.	1.3	9
32	Nasopharyngeal carcinoma in aÂlow incidence European area. Strahlentherapie Und Onkologie, 2016, 192, 931-943.	1.0	8
33	Prospective validation of pathologic complete response models in rectal cancer: Transferability and reproducibility. Medical Physics, 2017, 44, 4961-4967.	1.6	8
34	Relationship between arterial stiffness and unattended or attended blood pressure values. Journal of Hypertension, 2020, 38, 243-248.	0.3	8
35	Development and validation of a machine learning-based predictive model to improve the prediction of inguinal status of anal cancer patients: A preliminary report. Oncotarget, 2017, 8, 108509-108521.	0.8	8
36	Postoperative radiotherapy after radical prostatectomy for prostate carcinoma: the experience of the Brescia Radium Institute. Radiologia Medica, 2006, 111, 741-747.	4.7	6

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37	Hypofractionated radiation therapy versus chemotherapy with temozolomide in patients affected by RPA class V and VI glioblastoma: a randomized phase II trial. Journal of Neuro-Oncology, 2019, 143, 447-455.	1.4	6
38	Personalised support of brain tumour patients during radiotherapy based on psychological profile and quality of life. Supportive Care in Cancer, 2021, 29, 4555-4563.	1.0	6
39	Changes in patterns of practice for prostate cancer radiotherapy in Italy 1995-2003. A survey of the Prostate Cancer Study Group of the Italian Radiation Oncology Society. Tumori, 2014, 100, 31-7.	0.6	6
40	Radiomics in Oncological PET Imaging: A Systematic Reviewâ€"Part 2, Infradiaphragmatic Cancers, Blood Malignancies, Melanoma and Musculoskeletal Cancers. Diagnostics, 2022, 12, 1330.	1.3	6
41	Open-source, low-cost, high-reliability solutions for digital imaging systems: Example of a â€œdicom routerâ€. Radiologia Medica, 2007, 112, 1252-1259.	4.7	4
42	Could Machine Learning Improve the Prediction of Pelvic Nodal Status of Prostate Cancer Patients? Preliminary Results of a Pilot Study. Cancer Investigation, 2015, 33, 232-240.	0.6	4
43	A new standardized data collection system for brain stereotactic external radiotherapy: the PRE.M.I.S.E project. Future Science OA, 2020, 6, FSO596.	0.9	4
44	A Process Mining Approach to Statistical Analysis: Application to a Real-World Advanced Melanoma Dataset. Lecture Notes in Business Information Processing, 2021, , 291-304.	0.8	4
45	A Process Mining Pipeline to Characterize COVID-19 Patients' Trajectories and Identify Relevant Temporal Phenotypes From EHR Data. Frontiers in Public Health, 2022, 10, .	1.3	4
46	On the Feasibility of Distributed Process Mining in Healthcare. Lecture Notes in Computer Science, 2019, , 445-452.	1.0	3
47	Long-lasting, irreversible and late-onset immune-related adverse events (irAEs) from immune checkpoint inhibitors (ICIs): A real-world data analysis.. Journal of Clinical Oncology, 2020, 38, e15095-e15095.	0.8	3
48	How Can Radiomics Improve Clinical Choices?. , 2018, , 135-149.		2
49	Exploiting Machine Learning for Predicting Nodal Status in Prostate Cancer Patients. IFIP Advances in Information and Communication Technology, 2013, , 61-70.	0.5	2
50	RadioBio data: A Moddicom Module to Predict Tumor Control Probability and Normal Tissue Complication Probability in Radiotherapy. , 2016, , .		2
51	On the Efficient Allocation of Diagnostic Activities in Modern Imaging Departments. Lecture Notes in Computer Science, 2015, , 103-109.	1.0	2
52	Bridging the Gap between Knowledge Representation and Electronic Health Records. , 2016, , .		1
53	A process mining approach to real-world advanced melanoma treatments.. Journal of Clinical Oncology, 2020, 38, e22040-e22040.	0.8	1
54	How Do We Collect Data in the Perspective of New Personalize Medicine Tools in Rectal Cancer?. , 2018, , 599-606.		0

#	Article	IF	Citations
55	Response to Letter to the Editor Regarding Article â€œUnattended Versus Attended Blood Pressure Measurement: Relationship With Preclinical Organ Damageâ€• Hypertension, 2019, 73, e86.	1.3	0