Valeria Romeo

List of Publications by Year
in descending order

83 papers	1,610 citations	279778 23 h-index	345203 36 g-index
83 all docs	83 docs citations	83 times ranked	1949 citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning applications in prostate cancer magnetic resonance imaging. European Radiology Experimental, 2019, 3, 35.	3.4	121
2	Prostate MRI radiomics: A systematic review and radiomic quality score assessment. European Journal of Radiology, 2020, 129, 109095.	2.6	82
3	Machine learning analysis of MRI-derived texture features to predict placenta accreta spectrum in patients with placenta previa. Magnetic Resonance Imaging, 2019, 64, 71-76.	1.8	73
4	Prediction of Tumor Grade and Nodal Status in Oropharyngeal and Oral Cavity Squamous-cell Carcinoma Using a Radiomic Approach. Anticancer Research, 2020, 40, 271-280.	1.1	73
5	Clinically significant prostate cancer detection on MRI: A radiomic shape features study. European Journal of Radiology, 2019, 116, 144-149.	2.6	71
6	Machine learning for the identification of clinically significant prostate cancer on MRI: a meta-analysis. European Radiology, 2020, 30, 6877-6887.	4.5	64
7	Characterization of Adrenal Lesions on Unenhanced MRI Using Texture Analysis: A Machine‐Learning Approach. Journal of Magnetic Resonance Imaging, 2018, 48, 198-204.	3.4	57
8	Detection of Extraprostatic Extension of Cancer on Biparametric MRI Combining Texture Analysis and Machine Learning: Preliminary Results. Academic Radiology, 2019, 26, 1338-1344.	2.5	55
9	Deep Myometrial Infiltration of Endometrial Cancer on MRI: A Radiomics-Powered Machine Learning Pilot Study. Academic Radiology, 2021, 28, 737-744.	2.5	54
10	Meningioma MRI radiomics and machine learning: systematic review, quality score assessment, and meta-analysis. Neuroradiology, 2021, 63, 1293-1304.	2.2	49
11	Clinical value of radiomics and machine learning in breast ultrasound: a multicenter study for differential diagnosis of benign and malignant lesions. European Radiology, 2021, 31, 9511-9519.	4.5	43
12	Assessment and Prediction of Response to Neoadjuvant Chemotherapy in Breast Cancer: A Comparison of Imaging Modalities and Future Perspectives. Cancers, 2021, 13, 3521.	3.7	43
13	Prostate MRI technical parameters standardization: A systematic review on adherence to PI-RADSv2 acquisition protocol. European Journal of Radiology, 2019, 120, 108662.	2.6	38
14	MRI Radiomics for the Prediction of Fuhrman Grade in Clear Cell Renal Cell Carcinoma: a Machine Learning Exploratory Study. Journal of Digital Imaging, 2020, 33, 879-887.	2.9	36
15	Radiomics and machine learning applications in rectal cancer: Current update and future perspectives. World Journal of Gastroenterology, 2021, 27, 5306-5321.	3.3	35
16	Outcomes Associated with First-Line anti-PD-1/ PD-L1 agents vs. Sunitinib in Patients with Sarcomatoid Renal Cell Carcinoma: A Systematic Review and Meta-Analysis. Cancers, 2020, 12, 408.	3.7	32
17	Preliminary Results of a Simplified Breast MRI Protocol to Characterize Breast Lesions. Academic Radiology, 2017, 24, 1387-1394.	2.5	30
18	A critical appraisal of the quality of head and neck cancer imaging guidelines using the AGREE II tool: A EuroAIM initiative. Cancer Medicine, 2019, 8, 209-215.	2.8	30

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19	AI-enhanced simultaneous multiparametric 18F-FDG PET/MRI for accurate breast cancer diagnosis. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 596-608.	6.4	30
20	Correlative imaging of cystic lymphangiomas: ultrasound, CT and MRI comparison. Acta Radiologica Open, 2015, 4, 204798161456491.	0.6	28
21	Isoquercetin as an Adjunct Therapy in Patients With Kidney Cancer Receiving First-Line Sunitinib (QUASAR): Results of a Phase I Trial. Frontiers in Pharmacology, 2018, 9, 189.	3.5	26
22	Multiparametric evaluation by simultaneous PET-MRI examination in patients with histologically proven laryngeal cancer. European Journal of Radiology, 2017, 88, 47-55.	2.6	25
23	Clinically Significant Prostate Cancer Detection With Biparametric MRI: A Systematic Review and Meta-Analysis. American Journal of Roentgenology, 2021, 216, 608-621.	2.2	25
24	Diagnostic accuracy of magnetic resonance imaging in assessing placental adhesion disorder in patients with placenta previa: Correlation with histological findings. European Journal of Radiology, 2018, 106, 77-84.	2.6	23
25	Colorectal cancer: Parametric evaluation of morphological, functional and molecular tomographic imaging. World Journal of Gastroenterology, 2019, 25, 5233-5256.	3.3	22
26	Handcrafted MRI radiomics and machine learning: Classification of indeterminate solid adrenal lesions. Magnetic Resonance Imaging, 2021, 79, 52-58.	1.8	20
27	Clinical value of high-resolution (5–17 MHz) echo-color Doppler (ECD) for identifying filling materials and assessment of damage or complications in aesthetic medicine/surgery. Radiologia Medica, 2019, 124, 568-574.	7.7	19
28	Prediction of placenta accreta spectrum in patients with placenta previa using clinical risk factors, ultrasound and magnetic resonance imaging findings. Radiologia Medica, 2021, 126, 1216-1225.	7.7	19
29	The role of dynamic post-contrast T1-w MRI sequence to characterize lipid-rich and lipid-poor adrenal adenomas in comparison to non-adenoma lesions: preliminary results. Abdominal Radiology, 2018, 43, 2119-2129.	2.1	18
30	MRI radiomics: A machine learning approach for the risk stratification of endometrial cancer patients. European Journal of Radiology, 2022, 149, 110226.	2.6	18
31	Could Blockchain Technology Empower Patients, Improve Education, and Boost Research in Radiology Departments? An Open Question for Future Applications. Journal of Digital Imaging, 2019, 32, 1112-1115.	2.9	16
32	High Prevalence of Spinal Magnetic Resonance Imaging Findings in Asymptomatic Young Adults (18–22) Tj ETQq0.0 0 rgBT /Overlock	2.0	16
33	Pediatric musculoskeletal ultrasound: a pictorial essay. Journal of Ultrasound, 2019, 22, 491-502.	1.3	16
34	Tumor segmentation analysis at different post-contrast time points: A possible source of variability of quantitative DCE-MRI parameters in locally advanced breast cancer. European Journal of Radiology, 2020, 126, 108907.	2.6	16
35	The cardiac conundrum: a systematic review and bibliometric analysis of authorship in cardiac magnetic resonance imaging studies. Insights Into Imaging, 2020, 11, 42.	3.4	15
36	Simultaneous PET/MRI assessment of response to cytotoxic and hormone neo-adjuvant chemotherapy in breast cancer: a preliminary report. Medical Oncology, 2017, 34, 18.	2.5	14

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37	US and MR imaging findings to detect placental adhesion spectrum (PAS) in patients with placenta previa: a comparative systematic study. Abdominal Radiology, 2019, 44, 3398-3407.	2.1	14
38	Radiomics in Cross-Sectional Adrenal Imaging: A Systematic Review and Quality Assessment Study. Diagnostics, 2022, 12, 578.	2.6	14
39	Superparamagnetic iron oxide nanocolloids in MRI studies of neuroinflammation. Journal of Neuroscience Methods, 2018, 310, 12-23.	2.5	13
40	Simultaneous PET/MRI in assessing the response to chemo/radiotherapy in head and neck carcinoma: initial experience. Medical Oncology, 2018, 35, 112.	2.5	12
41	The new era of advanced placental tissue characterization using MRI texture analysis: Clinical implications. EBioMedicine, 2020, 51, 102588.	6.1	12
42	Ultrasound, shear-wave elastography, and magnetic resonance imaging in native liver survivor patients with biliary atresia after Kasai portoenterostomy: correlation with medical outcome after treatment. Acta Radiologica, 2020, 61, 1300-1308.	1.1	11
43	Multi-parametric magnetic resonance imaging characterization of orbital lesions: a triple blind study. Seminars in Ophthalmology, 2020, 35, 95-102.	1.6	10
44	Ultrasound and shear-wave elastography patterns of COVID-19 mRNA vaccine-related axillary, supra and subclavicular lymphadenopathy. Clinical and Translational Imaging, 2021, 9, 539-545.	2.1	10
45	A case of lower-neck cystic lymphangioma: correlative US, CT and MR imaging findings. Quantitative Imaging in Medicine and Surgery, 2013, 3, 224-7.	2.0	10
46	Correlative Imaging in a Patient with Cystic Thymoma: CT, MR and PET/CT Comparison. Polski Przeglad Radiologii I Medycyny Nuklearnej, 2015, 80, 22-26.	1.0	9
47	A Critical Appraisal of the Quality of Glioma Imaging Guidelines Using the AGREE II Tool: A EuroAIM Initiative. Frontiers in Oncology, 2019, 9, 472.	2.8	8
48	Artificial intelligence applied to neuroimaging data in Parkinsonian syndromes: Actuality and expectations. Mathematical Biosciences and Engineering, 2021, 18, 1753-1773.	1.9	8
49	Nuclear imaging to characterize adrenal tumors: Comparison with MRI. World Journal of Radiology, 2014, 6, 493.	1.1	7
50	MR imaging of paratesticular bilateral leiomyoma: A case report. Radiology Case Reports, 2019, 14, 591-594.	0.6	7
51	State of the art in abdominal MRI structured reporting: a review. Abdominal Radiology, 2021, 46, 1218-1228.	2.1	7
52	MR-enterography in Crohn's disease: what MRE mural parameters are associated to one-year therapeutic management outcome?. British Journal of Radiology, 2021, 94, 20200844.	2.2	7
53	Integrated imaging of adrenal oncocytoma: a case of diagnostic challenge. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1896-1901.	2.0	5
54	Pancreatic Neuroendocrine Tumors in patients with Multiple Endocrine Neoplasia Type 1: Diagnostic Value of Different MRI Sequences. Neuroendocrinology, 2020, 111, 696-704.	2.5	5

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55	Breast implant associated anaplastic large cell lymphoma (BIA-ALCL): a challenging cytological diagnosis with hybrid PET/MRI staging and follow-up. Breast Cancer, 2021, 28, 527-532.	2.9	5
56	Imaging prediction with ultrasound and MRI of long-term medical outcome in native liver survivor patients with biliary atresia after kasai portoenterostomy: a pilot study. Abdominal Radiology, 2021, 46, 2595-2603.	2.1	5
57	Characterization with hybrid imaging of cystic pheochromocytomas: correlation with pathology. Quantitative Imaging in Medicine and Surgery, 2021, 11, 862-869.	2.0	5
58	Current trends of artificial intelligence in cancer imaging. Artificial Intelligence in Medical Imaging, 2020, 1, 87-93.	0.6	5
59	Ten-year adjuvant treatment with somatostatin analogs in a patient with atypical carcinoid of the lung. Anti-Cancer Drugs, 2010, 21, 465-468.	1.4	4
60	Can high-dose fotemustine reverse MGMT resistance in glioblastoma multiforme?. Journal of Neuro-Oncology, 2010, 100, 311-319.	2.9	4
61	Influence of different post-contrast time points on dynamic contrast-enhanced (DCE) MRI T staging in breast cancer. European Journal of Radiology, 2020, 124, 108819.	2.6	4
62	Current Imaging Evaluation of Tumor Response to Advanced Medical Treatment in Metastatic Renal-Cell Carcinoma: Clinical Implications. Applied Sciences (Switzerland), 2021, 11, 6930.	2.5	4
63	Precocious ischemia preceding bilateral adrenal hemorrhage: A case report. Radiology Case Reports, 2020, 15, 803-807.	0.6	4
64	Machine Learning Evaluation of Biliary Atresia Patients to Predict Long-Term Outcome after the Kasai Procedure. Bioengineering, 2021, 8, 152.	3.5	4
65	Characterization of Atypical Pheochromocytomas with Correlative MRI and Planar/Hybrid Radionuclide Imaging: A Preliminary Study. Applied Sciences (Switzerland), 2021, 11, 9666.	2.5	4
66	Prognostic Value of Hybrid PET/MR Imaging in Patients with Differentiated Thyroid Cancer. Cancers, 2022, 14, 2958.	3.7	4
67	Perforated duodenal ulcer presenting with a subphrenic abscess revealed by plain abdominal X-ray films and confirmed by multi-detector computed tomography: a case report. Journal of Medical Case Reports, 2013, 7, 257.	0.8	3
68	Integrated Imaging Characterization of Adrenal Adenoma: False-Positive Metaiodobenzylguanidine (MIBG) Findings of Adrenal Scintigraphy. Polish Journal of Radiology, 2017, 82, 422-425.	0.9	3
69	Clinical impact of coronal-STIR sequence in a routine lumbar spine MR imaging protocol to investigate low back pain. Medicine (United States), 2018, 97, e10789.	1.0	3
70	A case of 20-week abortion in a rare communicating rudimentary horn of a misinterpreted unicornuate uterus, incorrectly diagnosed as bicornuate: A serious hazard!. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2019, 235, 133-135.	1.1	3
71	Atypical dermoid cyst of the ovary during pregnancy: A multi-modality diagnostic approach. Radiology Case Reports, 2020, 15, 298-301.	0.6	3
72	Advanced liver imaging using MR to predict outcomes in chronic liver disease: a shift from morphology to function liver assessment. Quantitative Imaging in Medicine and Surgery, 2020, 10, 805-807.	2.0	3

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73	MRI to assess deep myometrial invasion in patients with endometrial cancer:A multi-reader study to evaluate the diagnostic role of different sequences. European Journal of Radiology, 2021, 138, 109629.	2.6	3
74	Resolution Resampling of Ultrasound Images in Placenta Previa Patients: Influence on Radiomics Data Reliability and Usefulness for Machine Learning. IFMBE Proceedings, 2021, , 1011-1018.	0.3	3
75	Successful management of a third-trimester pregnancy complicated by pheochromocytoma: case report. Gynecological Endocrinology, 2024, 34, 1016-1018.	1.7	2
76	Germ cell tumors in male patients without gonadal involvement: computed tomography/magnetic resonance imaging findings and diagnostic workflow. Quantitative Imaging in Medicine and Surgery, 2019, 9, 2000-2007.	2.0	2
77	A critical appraisal of the quality of 18F-FDG PET/CT guidelines in oncology using the AGREE II tool: A EuroAIM initiative. European Journal of Radiology, 2020, 126, 108930.	2.6	2
78	Qualitative evaluation of MR images for assessing placenta accreta spectrum disorders in patients with placenta previa: A pilot validation study. European Journal of Radiology, 2022, 146, 110078.	2.6	2
79	COVID-19 vaccine-induced lymphadenopathies: incidence, course and imaging features from an ultrasound prospective study. Journal of Ultrasound, 2022, 25, 965-971.	1.3	2
80	False iodine-131 MIBG scintigraphy findings in adrenal tumors: correlation with MR imaging. Clinical and Translational Imaging, 2021, 9, 109-115.	2.1	1
81	Standardization of Quantitative DCE-MRI Parameters Measurement: An Urgent Need for Breast Cancer Imaging. Academic Radiology, 2022, 29, S87-S88.	2.5	1
82	Qualitative Heterogeneous Signal Drop on Chemical Shift (CS) MR Imaging: Correlative Quantitative Analysis between CS Signal Intensity Index and Contrast Washout Parameters Using T1-Weighted Sequences. Tomography, 2021, 7, 961-971.	1.8	1
83	A critical appraisal of the quality of glioma imaging guidelines using the AGREE II tool: A EuroAIM initiative.. Journal of Clinical Oncology, 2019, 37, e13553-e13553.	1.6	0