

# Giovanni Di Leo

## List of Publications by Year in descending order

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108  
papers

2,492  
citations

257357

24  
h-index

243529

44  
g-index

110  
all docs

110  
docs citations

110  
times ranked

3491  
citing authors

#	ARTICLE	IF	CITATIONS
1	AI applications to medical images: From machine learning to deep learning. <i>Physica Medica</i> , 2021, 83, 9-24.	0.4	253
2	Statistical significance: p value, 0.05 threshold, and applications to radiomics—reasons for a conservative approach. <i>European Radiology Experimental</i> , 2020, 4, 18.	1.7	162
3	Relation of Echocardiographic Epicardial Fat Thickness and Myocardial Fat. <i>American Journal of Cardiology</i> , 2010, 105, 1831-1835.	0.7	124
4	In Vivo Evaluation of the Chemical Composition of Urinary Stones Using Dual-Energy CT. <i>American Journal of Roentgenology</i> , 2011, 197, W76-W83.	1.0	101
5	Evidence-based radiology: why and how?. <i>European Radiology</i> , 2010, 20, 1-15.	2.3	88
6	In Vivo Proton MR Spectroscopy of the Breast Using the Total Choline Peak Integral as a Marker of Malignancy. <i>American Journal of Roentgenology</i> , 2009, 192, 1608-1617.	1.0	81
7	High- <i>b</i> -Value Diffusion-weighted MR Imaging of Benign Hepatocellular Lesions: Quantitative and Qualitative Analysis. <i>Radiology</i> , 2012, 262, 511-519.	3.6	77
8	Rotator Cuff Calcific Tendinitis: Does Warm Saline Solution Improve the Short-term Outcome of Double-Needle US-guided Treatment?. <i>Radiology</i> , 2012, 262, 560-566.	3.6	76
9	Technical success, technique efficacy and complications of minimally-invasive imaging-guided percutaneous ablation procedures of breast cancer: A systematic review and meta-analysis. <i>European Radiology</i> , 2017, 27, 3199-3210.	2.3	74
10	A new diagnostic score to detect osteoporosis in patients undergoing lumbar spine MRI. <i>European Radiology</i> , 2015, 25, 2951-2959.	2.3	70
11	Prevalence and type of errors in dual-energy x-ray absorptiometry. <i>European Radiology</i> , 2015, 25, 1504-1511.	2.3	68
12	Upgrade Rate of Percutaneously Diagnosed Pure Atypical Ductal Hyperplasia: Systematic Review and Meta-Analysis of 6458 Lesions. <i>Radiology</i> , 2020, 294, 76-86.	3.6	60
13	Diagnostic Performance of MRI Versus Galactography in Women With Pathologic Nipple Discharge: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2017, 209, 465-471.	1.0	58
14	Segmentation of cardiac cine MR images of left and right ventricles: Interactive semiautomated methods and manual contouring by two readers with different education and experience. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 785-792.	1.9	45
15	Malignant Incidental Extracardiac Findings on Cardiac CT: Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2013, 201, 555-564.	1.0	43
16	Biostatistics for Radiologists. , 2009, , .		39
17	Diagnostic accuracy of magnetic resonance angiography for detection of coronary artery disease: a systematic review and meta-analysis. <i>European Radiology</i> , 2016, 26, 3706-3718.	2.3	38
18	In Vivo Detection of Choline in Ovarian Tumors Using 3D Magnetic Resonance Spectroscopy. <i>Investigative Radiology</i> , 2011, 46, 377-382.	3.5	34

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19	The Role of Imaging Specialists as Authors of Systematic Reviews on Diagnostic and Interventional Imaging and Its Impact on Scientific Quality: Report from the EuroAIM Evidence-based Radiology Working Group. <i>Radiology</i> , 2014, 272, 533-540.	3.6	33
20	In-vivo Axial-strain Sonoelastography Helps Distinguish Acutely-inflamed from Fibrotic Terminal Ileum Strictures in Patients with Crohn's Disease: Preliminary Results. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 855-863.	0.7	32
21	To share or not to share? Expected pros and cons of data sharing in radiological research. <i>European Radiology</i> , 2018, 28, 2328-2335.	2.3	30
22	Short-term precision assessment of trabecular bone score and bone mineral density using dual-energy X-ray absorptiometry with different scan modes: an in vivo study. <i>European Radiology</i> , 2015, 25, 2194-2198.	2.3	28
23	Triple-Negative versus Non-Triple-Negative Breast Cancers in High-Risk Women: Phenotype Features and Survival from the HIBCRIT-1 MRI-Including Screening Study. <i>Clinical Cancer Research</i> , 2016, 22, 895-904.	3.2	28
24	Gadobenate Dimeglumine as a Contrast Agent for Dynamic Breast Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2008, 43, 236-242.	3.5	27
25	MR imaging of aortic coarctation. <i>Radiologia Medica</i> , 2009, 114, 524-537.	4.7	26
26	Dose Absorption in Lumbar and Femoral Dual Energy X-ray Absorptiometry Examinations Using Three Different Scan Modalities: An Anthropomorphic Phantom Study. <i>Journal of Clinical Densitometry</i> , 2013, 16, 279-282.	0.5	26
27	Optical Imaging of the Breast: Basic Principles and Clinical Applications. <i>American Journal of Roentgenology</i> , 2017, 209, 230-238.	1.0	25
28	Abdominal CT: a radiologist-driven adjustment of the dose of iodinated contrast agent approaches a calculation per lean body weight. <i>European Radiology Experimental</i> , 2018, 2, 41.	1.7	24
29	The value of true-FISP sequence added to conventional gadolinium-enhanced MRA of abdominal aorta and its major branches. <i>European Journal of Radiology</i> , 2009, 72, 489-493.	1.2	23
30	Impact on the recall rate of digital breast tomosynthesis as an adjunct to digital mammography in the screening setting. A double reading experience and review of the literature. <i>European Journal of Radiology</i> , 2016, 85, 808-814.	1.2	23
31	Bone marrow fat contributes to insulin sensitivity and adiponectin secretion in premenopausal women. <i>Endocrine</i> , 2018, 59, 410-418.	1.1	21
32	Measurement of renal volume using respiratory-gated MRI in subjects without known kidney disease: Intraobserver, interobserver, and interstudy reproducibility. <i>European Journal of Radiology</i> , 2011, 80, e212-e216.	1.2	20
33	Multidetector CT angiography of the Circle of Willis: association of its variants with carotid artery disease and brain ischemia. <i>European Radiology</i> , 2019, 29, 46-56.	2.3	19
34	Cardiac magnetic resonance: Impact on diagnosis and management of patients with congenital cardiovascular disease. <i>Clinical Radiology</i> , 2011, 66, 720-725.	0.5	18
35	Solving the preoperative breast MRI conundrum: design and protocol of the MIPA study. <i>European Radiology</i> , 2020, 30, 5427-5436.	2.3	18
36	MR Imaging for Selection of Patients for Partial Breast Irradiation: A Systematic Review and Meta-Analysis. <i>Radiology</i> , 2015, 277, 716-726.	3.6	17

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37	Detection of incidental cardiac findings in noncardiac chest computed tomography. <i>Medicine (United States)</i> , 2011, 90, 100-105.	0.784314	19
38	Assessing the Value of Diagnostic Tests in the Coronavirus Disease 2019 Pandemic. <i>Radiology</i> , 2020, 296, E193-E194.	3.6	17
39	Magnetic resonance imaging of painful total hip replacement: detection and characterisation of periprosthetic fluid collection and interobserver reproducibility. <i>Radiologia Medica</i> , 2012, 117, 85-95.	4.7	16
40	Non-contrast MR imaging for detecting endoleak after abdominal endovascular aortic repair. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 229-235.	0.7	16
41	Less is better? Intraindividual and interindividual comparison between 0.075 mmol/kg of gadobenate dimeglumine and 0.1 mmol/kg of gadoterate meglumine for cranial MRI. <i>European Journal of Radiology</i> , 2014, 83, 1245-1249.	1.2	16
42	Reproducibility of trabecular bone score with different scan modes using dual-energy X-ray absorptiometry: a phantom study. <i>Skeletal Radiology</i> , 2015, 44, 573-576.	1.2	16
43	Contrast-enhanced MR imaging of the breast: association between asymmetric increased breast vascularity and ipsilateral cancer in a consecutive series of 197 patients. <i>Radiologia Medica</i> , 2013, 118, 239-250.	4.7	15
44	Subependymal nodules and giant cell tumours in tuberous sclerosis complex patients: prevalence on MRI in relation to gene mutation. <i>Child's Nervous System</i> , 2013, 29, 249-254.	0.6	15
45	Myocardial Fatty Foci in Adult Patients with Tuberous Sclerosis Complex: Association with Gene Mutation and Multiorgan Involvement. <i>Radiology</i> , 2015, 277, 398-405.	3.6	15
46	Relevant incidental findings at abdominal multi-detector contrast-enhanced computed tomography: A collateral screening?. <i>World Journal of Radiology</i> , 2015, 7, 350.	0.5	15
47	Management of Thyroid Follicular Proliferation: An Ultrasound-Based Malignancy Score to Opt for Surgical or Conservative Treatment. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 1350-1355.	0.7	14
48	When the diameter of the abdominal aorta should be considered as abnormal? A new ultrasonographic index using the wrist circumference as a body build reference. <i>European Journal of Radiology</i> , 2013, 82, e532-e536.	1.2	14
49	Prognostic Value of the Diverticular Disease Severity Score Based on CT Colonography. <i>Academic Radiology</i> , 2015, 22, 1503-1509.	1.3	14
50	Intra- and inter-reader reproducibility of blood flow measurements on the ascending aorta and pulmonary artery using cardiac magnetic resonance. <i>Radiologia Medica</i> , 2017, 122, 179-185.	4.7	14
51	Magnetic resonance imaging of the knee after medial unicompartmental arthroplasty. <i>European Journal of Radiology</i> , 2011, 80, e416-21.	1.2	13
52	Evaluation of inflammatory status of atherosclerotic carotid plaque before thromboendarterectomy using delayed contrast-enhanced subtracted images after magnetic resonance angiography. <i>European Journal of Radiology</i> , 2011, 80, e373-e380.	1.2	13
53	Measurement of oro-caecal transit time by magnetic resonance imaging. <i>European Radiology</i> , 2015, 25, 1579-1587.	2.3	13
54	Follow-up of cerebral aneurysm embolization with hydrogel embolic system: Systematic review and meta-analysis. <i>European Journal of Radiology</i> , 2015, 84, 1954-1963.	1.2	13

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55	Synchronous colorectal cancer using CT colonography vs. other means: a systematic review and meta-analysis. <i>Abdominal Radiology</i> , 2018, 43, 3241-3249.	1.0	13
56	Breast arterial calcifications as a biomarker of cardiovascular risk: radiologists' awareness, reporting, and action. A survey among the EUSOBI members. <i>European Radiology</i> , 2021, 31, 958-966.	2.3	13
57	Handling a High Relaxivity Contrast Material for Dynamic Breast MR Imaging Using Higher Thresholds for the Initial Enhancement. <i>Investigative Radiology</i> , 2010, 45, 114-120.	3.5	12
58	Technical quality of CT colonography in relation with diverticular disease. <i>European Journal of Radiology</i> , 2012, 81, e250-e254.	1.2	12
59	Differences among array, fast array, and high-definition scan modes in bone mineral density measurement at dual-energy x-ray absorptiometry on a phantom. <i>Clinical Radiology</i> , 2013, 68, 616-619.	0.5	12
60	An eight-year prospective controlled study about the safety and diagnostic value of cardiac and non-cardiac 1.5-T MRI in patients with a conventional pacemaker or a conventional implantable cardioverter defibrillator. <i>European Radiology</i> , 2018, 28, 2406-2416.	2.3	12
61	Optimizing dose and administration regimen of a high-relaxivity contrast agent for myocardial MRI late gadolinium enhancement. <i>European Journal of Radiology</i> , 2011, 80, 96-102.	1.2	11
62	In vivo differences among scan modes in bone mineral density measurement at dual-energy X-ray absorptiometry. <i>Radiologia Medica</i> , 2014, 119, 257-260.	4.7	11
63	Colonic inflammation in pediatric inflammatory bowel disease: detection with magnetic resonance enterography. <i>Pediatric Radiology</i> , 2017, 47, 850-859.	1.1	11
64	MRI of fat necrosis of the breast: The "black hole" sign at short tau inversion recovery. <i>European Journal of Radiology</i> , 2012, 81, e573-e579.	1.2	10
65	Prevalence of cerebral aneurysms in patients treated for left cardiac myxoma: A prospective study. <i>Clinical Radiology</i> , 2013, 68, e624-e628.	0.5	10
66	Reporting rotator cuff tears on magnetic resonance arthrography using the Snyder's arthroscopic classification. <i>World Journal of Radiology</i> , 2017, 9, 126.	0.5	10
67	Renal volume assessment with 3D ultrasound. <i>Radiologia Medica</i> , 2011, 116, 1095-1104.	4.7	8
68	Association of aortic wall thickness on contrast-enhanced chest CT with major cerebro-cardiac events. <i>Acta Radiologica</i> , 2014, 55, 1040-1049.	0.5	8
69	Fractional flow reserve based on computed tomography: an overview. <i>European Heart Journal Supplements</i> , 2016, 18, E49-E56.	0.0	8
70	Is Carotid Plaque Contrast Enhancement on MRI Predictive for Cerebral or Cardiovascular Events? A Prospective Cohort Study. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 321-326.	0.5	8
71	In Vivo Assessment of Coronary Stents With 64-Row Multidetector Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 921-926.	0.5	7
72	Measurements in radiology: the need for high reproducibility. <i>Pediatric Radiology</i> , 2015, 45, 32-34.	1.1	7

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73	Clinical impact of computed tomography in the emergency department in nontraumatic chest and abdominal conditions. <i>Emergency Radiology</i> , 2018, 25, 393-398.	1.0	7
74	Point estimate and reference normality interval of MRI-derived myocardial extracellular volume in healthy subjects: a systematic review and meta-analysis. <i>European Radiology</i> , 2019, 29, 6620-6633.	2.3	7
75	Use of the ultrasound-based total malignancy score in the management of thyroid nodules. <i>Ultrasonography</i> , 2018, 37, 315-322.	1.0	7
76	Lean body weight versus total body weight to calculate the iodinated contrast media volume in abdominal CT: a randomised controlled trial. <i>Insights Into Imaging</i> , 2020, 11, 132.	1.6	7
77	Bone mineral density differences between femurs of Åsciotic patients undergoing dual-energy X-ray absorptiometry. <i>Clinical Radiology</i> , 2013, 68, e511-e515.	0.5	6
78	Cardiac magnetic resonance before and after percutaneous pulmonary valve implantation. <i>Radiologia Medica</i> , 2014, 119, 400-407.	4.7	6
79	High-quality low-dose cardiovascular computed tomography (CCT) in pediatric patients using a 64-slice scanner. <i>Acta Radiologica</i> , 2018, 59, 1247-1253.	0.5	6
80	Myocardial delayed enhancement using a single dose (0.1 mmol/kg) of gadobenate dimeglumine: contrast resolution versus intraventricular blood and viable myocardium. <i>Radiologia Medica</i> , 2010, 115, 693-701.	4.7	5
81	Segmentation of cardiac magnetic resonance cine images of single ventricle: including or excluding the accessorial ventricle?. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1117-1124.	0.7	5
82	Prenatal MRI of neck masses with special focus on the evaluation of foetal airway. <i>Radiologia Medica</i> , 2019, 124, 917-925.	4.7	5
83	Evaluation of carotid vessel wall enhancement with image subtraction after gadobenate dimeglumine-enhanced MR angiography. <i>European Journal of Radiology</i> , 2009, 70, 589-594.	1.2	4
84	The use of bedside chest radiography at a university hospital. Data on a two-week period. <i>European Journal of Radiology</i> , 2012, 81, e260-e263.	1.2	4
85	Atypical myocardial delayed enhancement after surgical ventricle restoration. <i>European Journal of Radiology</i> , 2012, 81, e292-e297.	1.2	4
86	1H- and 31P-myocardial magnetic resonance spectroscopy in non-obstructive hypertrophic cardiomyopathy patients and competitive athletes. <i>Radiologia Medica</i> , 2017, 122, 265-272.	4.7	4
87	Measurement of jugular foramen diameter using MRI in multiple sclerosis patients compared to control subjects. <i>European Radiology Experimental</i> , 2017, 1, 4.	1.7	4
88	Strain of ascending aorta on cardiac magnetic resonance in 1027 patients: Relation with age, gender, and cardiovascular disease. <i>European Journal of Radiology</i> , 2018, 99, 34-39.	1.2	4
89	Washout of Mass-Like Benign Breast Lesions at Dynamic Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 301-305.	0.5	3
90	Reply to Letter to Editor: Abdominal CT: a radiologist-driven adjustment of the dose of iodinated contrast agent approaches a calculation per lean body weight. <i>European Radiology Experimental</i> , 2020, 4, 46.	1.7	3

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91	Recoupling of right and left ventricle pump function after surgical ventricle restoration: a cardiac magnetic resonance study. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 813-820.	0.7	2
92	Pitfalls of Systematic Reviews and Meta-Analyses. <i>Radiology</i> , 2016, 279, 652-652.	3.6	2
93	Should the automatic exposure control system of CT be disabled when scanning patients with endoarteric stents or mechanical heart valves? A phantom study. <i>European Radiology</i> , 2017, 27, 2989-2994.	2.3	2
94	Accuracy and inter-reader agreement of breast MRI for cancer staging using 0.08Åmmol/kg of gadobutrol. <i>Clinical Imaging</i> , 2021, 72, 154-161.	0.8	2
95	The abstract format of original articles: differences between imaging and non-imaging journals. <i>European Radiology</i> , 2011, 21, 2235-2243.	2.3	1
96	Bronchial artery hypertrophy is correlated with coronary artery disease. <i>Acta Radiologica</i> , 2014, 55, 287-294.	0.5	1
97	Measurement of vertebral bone marrow lipid profile at 1.5-T proton magnetic resonance spectroscopy and bone mineral density at dual-energy X-ray absorptiometry: correlation in a swine model. <i>Skeletal Radiology</i> , 2014, 43, 1123-1128.	1.2	1
98	A geometric index to differentiate abnormal from normal septal wall motion on cardiac MRI. <i>Acta Radiologica</i> , 2015, 56, 545-551.	0.5	1
99	Changes in total choline concentration in the breast of healthy fertile young women in relation to menstrual cycle or use of oral contraceptives: a 3-T 1H-MRS study. <i>European Radiology Experimental</i> , 2018, 2, 43.	1.7	1
100	Pulmonary Insufficiency. <i>Journal of Thoracic Imaging</i> , 2019, 34, 380-386.	0.8	1
101	Fast thoracic MRI as an alternative to chest x-ray: A retrospective evaluation of 287 patients. <i>Clinical Imaging</i> , 2020, 60, 244-248.	0.8	1
102	CT colonography followed by elective surgery in patients with acute diverticulitis: a radiological-pathological correlation study. <i>Abdominal Radiology</i> , 2021, 46, 491-497.	1.0	1
103	Challenges in estimating reproducibility of imaging modalities. <i>World Journal of Methodology</i> , 2011, 1, 12.	1.1	1
104	Reply. <i>American Journal of Roentgenology</i> , 2014, 202, W412-W412.	1.0	0
105	Peripheral artery disease: how much inter-leg symmetry? A contrast-enhanced magnetic resonance angiography study. <i>Medicine (United States)</i> , 2020, 99, e19637.	0.4	0
106	Errors in Radiology: A Biostatistical Framework. , 2012, , 235-247.		0
107	458-P: 1H-MRS Lipid Spectra of Interventricular Septum (SEP): A Novel Marker of Cardiovascular (CV) Events in Hyperglycemic (HG) Patients. <i>Diabetes</i> , 2019, 68, 458-P.	0.3	0
108	Radiologic evolution of pulmonary arterial thrombosis associated with SARS-CoV-2 pneumonia. <i>Vasa - European Journal of Vascular Medicine</i> , 2022, 51, 263-264.	0.6	0