

Thomas Frauenfelder

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

7,718
citations

50170

46
h-index

69108

77
g-index

258
all docs

258
docs citations

258
times ranked

8816
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy of dual-source CT coronary angiography: first experience in a high pre-test probability population without heart rate control. <i>European Radiology</i> , 2006, 16, 2739-2747.	2.3	395
2	Deep Learning in Mammography. <i>Investigative Radiology</i> , 2017, 52, 434-440.	3.5	285
3	Raw data-based iterative reconstruction in body CTA: evaluation of radiation dose saving potential. <i>European Radiology</i> , 2011, 21, 2521-2526.	2.3	223
4	Endoleaks after Endovascular Abdominal Aortic Aneurysm Repair: Detection with Dual-Energy Dual-Source CT. <i>Radiology</i> , 2008, 249, 682-691.	3.6	207
5	Ultralow-Dose Chest Computed Tomography for Pulmonary Nodule Detection. <i>Investigative Radiology</i> , 2014, 49, 465-473.	3.5	206
6	Radiation dose estimates in dual-source computed tomography coronary angiography. <i>European Radiology</i> , 2008, 18, 592-599.	2.3	194
7	Coronary Artery Motion and Cardiac Phases: Dependency on Heart Rate—Implications for CT Image Reconstruction. <i>Radiology</i> , 2007, 245, 567-576.	3.6	169
8	Automated Attenuation-Based Tube Potential Selection for Thoracoabdominal Computed Tomography Angiography. <i>Investigative Radiology</i> , 2011, 46, 767-773.	3.5	159
9	Brief Report: Pulmonary Function Tests: High Rate of False-Negative Results in the Early Detection and Screening of Scleroderma-Related Interstitial Lung Disease. <i>Arthritis and Rheumatology</i> , 2015, 67, 3256-3261.	2.9	157
10	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. <i>Acta Oncologica</i> , 2018, 57, 1070-1074.	0.8	152
11	Low-dose CT of the lung: potential value of iterative reconstructions. <i>European Radiology</i> , 2012, 22, 2597-2606.	2.3	133
12	Diagnostic Performance of Dual-Energy CT for the Detection of Traumatic Bone Marrow Lesions in the Ankle: Comparison with MR Imaging. <i>Radiology</i> , 2012, 264, 164-173.	3.6	127
13	Dual-Energy Contrast-Enhanced Computed Tomography for the Detection of Urinary Stone Disease. <i>Investigative Radiology</i> , 2007, 42, 823-829.	3.5	115
14	EURACAN/IASLC Proposals for Updating the Histologic Classification of Pleural Mesothelioma: Towards a More Multidisciplinary Approach. <i>Journal of Thoracic Oncology</i> , 2020, 15, 29-49.	0.5	106
15	Dual-energy computed tomography for the differentiation of uric acid stones: ex vivo performance evaluation. <i>Urological Research</i> , 2008, 36, 133-138.	1.5	104
16	Detection Rate, Location, and Size of Pulmonary Nodules in Trimodality PET/CT-MR. <i>Investigative Radiology</i> , 2013, 48, 241-246.	3.5	102
17	Aortic Regurgitation: Assessment with 64-Section CT. <i>Radiology</i> , 2007, 245, 111-121.	3.6	99
18	Volumetry: an alternative to assess therapy response for malignant pleural mesothelioma?. <i>European Respiratory Journal</i> , 2011, 38, 162-168.	3.1	98

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19	Is There a Role for Tamsulosin in the Treatment of Distal Ureteral Stones of 7mm or Less? Results of a Randomised, Double-Blind, Placebo-Controlled Trial. <i>European Urology</i> , 2009, 56, 407-412.	0.9	91
20	Computational Fluid Dynamics: Hemodynamic Changes in Abdominal Aortic Aneurysm After Stent-Graft Implantation. <i>CardioVascular and Interventional Radiology</i> , 2006, 29, 613-623.	0.9	87
21	CT- and MRI-based volumetry of resected liver specimen: Comparison to intraoperative volume and weight measurements and calculation of conversion factors. <i>European Journal of Radiology</i> , 2010, 75, e107-e111.	1.2	79
22	Multiple Periscope and Chimney Grafts to Treat Ruptured Thoracoabdominal and Pararenal Aortic Aneurysms. <i>Journal of Endovascular Therapy</i> , 2011, 18, 642-649.	0.8	77
23	Prenatally engineered autologous amniotic fluid stem cell-based heart valves in the fetal circulation. <i>Biomaterials</i> , 2012, 33, 4031-4043.	5.7	76
24	Computational simulation of intracoronary flow based on real coronary geometry. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 26, 248-256.	0.6	73
25	Simultaneous multi-slice readout-segmented echo planar imaging for accelerated diffusion-weighted imaging of the breast. <i>European Journal of Radiology</i> , 2016, 85, 274-278.	1.2	73
26	Advanced virtual monoenergetic images: improving the contrast of dual-energy CT pulmonary angiography. <i>Clinical Radiology</i> , 2015, 70, 1244-1251.	0.5	72
27	Nontraumatic Emergent Abdominal Vascular Conditions: Advantages of Multi-Detector Row CT and Three-Dimensional Imaging. <i>Radiographics</i> , 2004, 24, 481-496.	1.4	70
28	Reference values for quantitative left ventricular and left atrial measurements in cardiac computed tomography. <i>European Radiology</i> , 2008, 18, 1625-1634.	2.3	68
29	Triple rule-out CT in the emergency department: protocols and spectrum of imaging findings. <i>European Radiology</i> , 2009, 19, 789-799.	2.3	68
30	Complete Endovascular Renal and Visceral Artery Revascularization and Exclusion of a Ruptured Type IV Thoracoabdominal Aortic Aneurysm. <i>Journal of Endovascular Therapy</i> , 2010, 17, 216-220.	0.8	67
31	Stem Cell-Based Transcatheter Aortic Valve Implantation. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 874-883.	1.1	66
32	TNM Staging of Non-Small Cell Lung Cancer: Comparison of PET/MR and PET/CT. <i>Journal of Nuclear Medicine</i> , 2016, 57, 21-26.	2.8	65
33	Periscope graft to extend distal landing zone in ruptured thoracoabdominal aneurysms with short distal necks. <i>Journal of Vascular Surgery</i> , 2010, 51, 1293-1296.	0.6	63
34	Whole-body CT in polytrauma patients: effect of arm positioning on thoracic and abdominal image quality. <i>Emergency Radiology</i> , 2011, 18, 285-293.	1.0	63
35	Screening for interstitial lung disease in systemic sclerosis: performance of high-resolution CT with limited number of slices: a prospective study. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 2069-2073.	0.5	63
36	Computed Tomography Perfusion Imaging of Renal Cell Carcinoma. <i>Investigative Radiology</i> , 2013, 48, 183-191.	3.5	59

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37	A New Prognostic Score Supporting Treatment Allocation for Multimodality Therapy for Malignant Pleural Mesothelioma. <i>Journal of Thoracic Oncology</i> , 2015, 10, 1634-1641.	0.5	59
38	The postpneumonectomy syndrome: clinical presentation and treatment. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 35, 319-324.	0.6	58
39	In-vivo flow simulation in coronary arteries based on computed tomography datasets: feasibility and initial results. <i>European Radiology</i> , 2007, 17, 1291-1300.	2.3	57
40	Whole-body CT-based imaging algorithm for multiple trauma patients: radiation dose and time to diagnosis. <i>British Journal of Radiology</i> , 2015, 88, 20140616.	1.0	57
41	An interactive surgical planning tool for acetabular fractures: initial results. <i>Journal of Orthopaedic Surgery and Research</i> , 2010, 5, 50.	0.9	56
42	Triple Rule-Out CT in Patients with Suspicion of Acute Pulmonary Embolism. <i>Academic Radiology</i> , 2009, 16, 708-717.	1.3	50
43	Mitral Annular Shape, Size, and Motion in Normals and in Patients With Cardiomyopathy. <i>Investigative Radiology</i> , 2009, 44, 218-225.	3.5	50
44	Transcatheter aortic valve implantation using anatomically oriented, marrow stromal cell-based, stented, tissue-engineered heart valves: technical considerations and implications for translational cell-based heart valve concepts. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, 61-68.	0.6	50
45	Automated tube potential selection for standard chest and abdominal CT in follow-up patients with testicular cancer: comparison with fixed tube potential. <i>European Radiology</i> , 2012, 22, 1937-1945.	2.3	49
46	Gastrointestinal Dysfunction in Patients with Duchenne Muscular Dystrophy. <i>PLoS ONE</i> , 2016, 11, e0163779.	1.1	49
47	Cost-effectiveness of low-dose CT screening for lung cancer in a European country with high prevalence of smoking: A modelling study. <i>Lung Cancer</i> , 2018, 121, 61-69.	0.9	49
48	Detection of tuberculosis patterns in digital photographs of chest X-ray images using Deep Learning: feasibility study. <i>International Journal of Tuberculosis and Lung Disease</i> , 2018, 22, 328-335.	0.6	49
49	Dedicated Breast Computed Tomography With a Photon-Counting Detector. <i>Investigative Radiology</i> , 2019, 54, 409-418.	3.5	49
50	Transcatheter based electromechanical mapping guided intramyocardial transplantation and in vivo tracking of human stem cell based three dimensional microtissues in the porcine heart. <i>Biomaterials</i> , 2013, 34, 2428-2441.	5.7	48
51	Cytokine filtration modulates pulmonary metabolism and edema formation during ex vivo lung perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 283-291.	0.3	48
52	Transapical Aortic Implantation of Autologous Marrow Stromal Cell-Based Tissue-Engineered Heart Valves. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 822-823.	1.1	47
53	Delayed enhancement imaging of myocardial viability: low-dose high-pitch CT versus MRI. <i>European Radiology</i> , 2011, 21, 2091-2099.	2.3	46
54	Evaluation of pulmonary nodules and infection on chest CT with radiation dose equivalent to chest radiography: Prospective intra-individual comparison study to standard dose CT. <i>European Journal of Radiology</i> , 2016, 85, 360-365.	1.2	46

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55	Dual-source computed tomography in patients with acute chest pain: feasibility and image quality. <i>European Radiology</i> , 2007, 17, 3179-3188.	2.3	45
56	High-pitch coronary CT angiography with third generation dual-source CT: limits of heart rate. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1173-1179.	0.7	45
57	Detection and localization of distal radius fractures: Deep learning system versus radiologists. <i>European Journal of Radiology</i> , 2020, 126, 108925.	1.2	44
58	Performance of turbo high-pitch dual-source CT for coronary CT angiography: first ex vivo and patient experience. <i>European Radiology</i> , 2014, 24, 1889-1895.	2.3	43
59	Computed Tomographic Perfusion Imaging for the Prediction of Response and Survival to Transarterial Radioembolization of Liver Metastases. <i>Investigative Radiology</i> , 2013, 48, 787-794.	3.5	42
60	First Performance Evaluation of an Artificial Intelligence-Based Computer-Aided Detection System for Pulmonary Nodule Evaluation in Dual-Source Photon-Counting Detector CT at Different Low-Dose Levels. <i>Investigative Radiology</i> , 2022, 57, 108-114.	3.5	41
61	Metal-induced artifacts in computed tomography and magnetic resonance imaging: comparison of a biodegradable magnesium alloy versus titanium and stainless steel controls. <i>Skeletal Radiology</i> , 2015, 44, 849-856.	1.2	40
62	Assessment of Bronchial and Pulmonary Blood Supply in Non-Small Cell Lung Cancer Subtypes Using Computed Tomography Perfusion. <i>Investigative Radiology</i> , 2015, 50, 179-186.	3.5	39
63	Computed Tomography of the Lung in the High-Pitch Mode. <i>Investigative Radiology</i> , 2011, 46, 240-245.	3.5	38
64	CT Perfusion of Renal Cell Carcinoma. <i>Investigative Radiology</i> , 2012, 47, 33-40.	3.5	38
65	Floating aortic arch thrombus involving the supraaortic trunks: Successful treatment with supra-aortic debranching and antegrade endograft implantation. <i>Journal of Vascular Surgery</i> , 2009, 50, 1177-1180.	0.6	36
66	Screening for interstitial lung disease in systemic sclerosis: the diagnostic accuracy of HRCT image series with high increment and reduced number of slices. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 549-552.	0.5	36
67	Ultralow-dose CT with tin filtration for detection of solid and sub solid pulmonary nodules: a phantom study. <i>British Journal of Radiology</i> , 2015, 88, 20150389.	1.0	36
68	Which factors influence MRI-pathology concordance of tumour size measurements in breast cancer?. <i>European Radiology</i> , 2016, 26, 1457-1465.	2.3	35
69	Preoperative Liver Volumetry. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 390-397.	0.5	34
70	Automated Attenuation-Based Kilovoltage Selection: Preliminary Observations in Patients After Endovascular Aneurysm Repair of the Abdominal Aorta. <i>American Journal of Roentgenology</i> , 2012, 199, W380-W385.	1.0	34
71	Image-Based Mechanical Analysis of Stent Deformation: Concept and Exemplary Implementation for Aortic Valve Stents. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 4-15.	2.5	34
72	Flow and wall shear stress in end-to-side and side-to-side anastomosis of venous coronary artery bypass grafts. <i>BioMedical Engineering OnLine</i> , 2007, 6, 35.	1.3	33

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73	Speed of sound ultrasound: a pilot study on a novel technique to identify sarcopenia in seniors. <i>European Radiology</i> , 2019, 29, 3-12.	2.3	33
74	Quantum Iterative Reconstruction for Low-Dose Ultra-High-Resolution Photon-Counting Detector CT of the Lung. <i>Diagnostics</i> , 2022, 12, 522.	1.3	33
75	Variable radiological lung nodule evaluation leads to divergent management recommendations. <i>European Respiratory Journal</i> , 2018, 52, 1801359.	3.1	32
76	A New Sutureless Telescoping Anastomotic Technique for Major Aortic Branch Revascularization With Minimal Dissection and Ischemia. <i>Annals of Surgery</i> , 2010, 252, 884-889.	2.1	31
77	Potential of Photon-Counting Detector CT for Radiation Dose Reduction for the Assessment of Interstitial Lung Disease in Patients With Systemic Sclerosis. <i>Investigative Radiology</i> , 2022, 57, 773-779.	3.5	31
78	Novel sutureless telescoping anastomosis revascularization technique of supra-aortic vessels to simplify combined open endovascular procedures in the treatment of aortic arch pathologies. <i>Journal of Vascular Surgery</i> , 2010, 51, 836-841.	0.6	30
79	Perfusate adsorption during ex vivo lung perfusion improves early post-transplant lung function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, e109-e121.	0.4	30
80	Influencing Factors of 2D Shear Wave Elastography of the Muscle – An Ex Vivo Animal Study. <i>Ultrasound International Open</i> , 2018, 04, E54-E60.	0.3	29
81	Breast Cancer Assessment With Pulse-Echo Speed of Sound Ultrasound From Intrinsic Tissue Reflections. <i>Investigative Radiology</i> , 2019, 54, 419-427.	3.5	28
82	Use of Computed Tomography and Positron Emission Tomography/Computed Tomography for Staging of Local Extent in Patients With Malignant Pleural Mesothelioma. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 160-165.	0.5	27
83	¹⁸ F-AzaFol for Detection of Folate Receptor- β Positive Macrophages in Experimental Interstitial Lung Disease – A Proof-of-Concept Study. <i>Frontiers in Immunology</i> , 2019, 10, 2724.	2.2	27
84	Effects of Pentoxifylline on Liver Regeneration. <i>Annals of Surgery</i> , 2010, 252, 813-822.	2.1	26
85	Automated attenuation-based tube voltage selection for body CTA: Performance evaluation of 192-slice dual-source CT. <i>European Radiology</i> , 2015, 25, 2346-2353.	2.3	26
86	In vitro fabrication of autologous living tissue-engineered vascular grafts based on prenatally harvested ovine amniotic fluid-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 52-70.	1.3	26
87	Organ Dose and Attributable Cancer Risk in Lung Cancer Screening with Low-Dose Computed Tomography. <i>PLoS ONE</i> , 2016, 11, e0155722.	1.1	26
88	Economical Sponge Phantom for Teaching, Understanding, and Researching – and – Line Reverberation Artifacts in Lung Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 2133-2142.	0.8	26
89	Computed tomography-based radiomics decodes prognostic and molecular differences in interstitial lung disease related to systemic sclerosis. <i>European Respiratory Journal</i> , 2022, 59, 2004503.	3.1	26
90	Routine chest and abdominal high-pitch CT: An alternative low dose protocol with preserved image quality. <i>European Journal of Radiology</i> , 2012, 81, e392-e397.	1.2	25

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91	Early Detection of Lung Cancer: A Statement from an Expert Panel of the Swiss University Hospitals on Lung Cancer Screening. <i>Respiration</i> , 2014, 87, 254-264.	1.2	25
92	Dedicated Spiral Breast Computed Tomography With a Single Photon-Counting Detector. <i>Investigative Radiology</i> , 2020, 55, 68-72.	3.5	25
93	Sizing the mitral annulus in healthy subjects and patients with mitral regurgitation: 2D versus 3D measurements from cardiac CT. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 389-398.	0.7	24
94	Breast-density assessment with hand-held ultrasound: A novel biomarker to assess breast cancer risk and to tailor screening?. <i>European Radiology</i> , 2018, 28, 3165-3175.	2.3	24
95	The impact of slice-reduced computed tomography on histogram-based densitometry assessment of lung fibrosis in patients with systemic sclerosis. <i>Journal of Thoracic Disease</i> , 2018, 10, 2142-2152.	0.6	24
96	Visualisation of interstitial lung disease by molecular imaging of integrin $\alpha 5 \beta 1$ and somatostatin receptor 2. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 218-227.	0.5	24
97	Intramyocardial Transplantation and Tracking of Human Mesenchymal Stem Cells in a Novel Intra-Uterine Pre-Immune Fetal Sheep Myocardial Infarction Model: A Proof of Concept Study. <i>PLoS ONE</i> , 2013, 8, e57759.	1.1	23
98	Which Confounders Have the Largest Impact in Shear Wave Elastography of Muscle and How Can They be Minimized? An Elasticity Phantom, Ex Vivo Porcine Muscle and Volunteer Study Using a Commercially Available System. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2591-2611.	0.7	22
99	A simple method to approximate liver size on cross-sectional images using living liver models. <i>Clinical Radiology</i> , 2009, 64, 682-689.	0.5	21
100	Coronary artery stent imaging with CT using an integrated electronics detector and iterative reconstructions: First in vitro experience. <i>Journal of Cardiovascular Computed Tomography</i> , 2013, 7, 215-222.	0.7	21
101	Circulating activin A is a novel prognostic biomarker in malignant pleural mesothelioma – A multi-institutional study. <i>European Journal of Cancer</i> , 2016, 63, 64-73.	1.3	21
102	Diagnostic accuracy of sequential co-registered PET+MR in comparison to PET/CT in local thoracic staging of malignant pleural mesothelioma. <i>Lung Cancer</i> , 2016, 94, 40-45.	0.9	21
103	Liver Perfusion Imaging in Patients with Primary and Metastatic Liver Malignancy. <i>Academic Radiology</i> , 2012, 19, 613-621.	1.3	20
104	Volumetric dynamic oxygen-enhanced MRI (OE-MRI): comparison with CT Brody score and lung function in cystic fibrosis patients. <i>European Radiology</i> , 2018, 28, 4037-4047.	2.3	20
105	Functionality, growth and accelerated aging of tissue engineered living autologous vascular grafts. <i>Biomaterials</i> , 2012, 33, 8277-8285.	5.7	19
106	Effect of High-Pitch Dual-Source CT to Compensate Motion Artifacts. <i>Academic Radiology</i> , 2013, 20, 1234-1239.	1.3	19
107	Value of CT signs and measurements as a predictor of pulmonary hypertension and mortality in symptomatic severe aortic valve stenosis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1637-1651.	0.7	18
108	A rare but severe pulmonary side effect of cetuximab in two patients. <i>BMJ Case Reports</i> , 2012, 2012, bcr0320125973-bcr0320125973.	0.2	17

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109	Vessel suppressed chest Computed Tomography for semi-automated volumetric measurements of solid pulmonary nodules. <i>European Journal of Radiology</i> , 2018, 101, 97-102.	1.2	17
110	Diagnostic value of 18F-fluorodesoxyglucose positron emission tomography for patients with brain metastasis from unknown primary site. <i>European Journal of Cancer</i> , 2018, 96, 64-72.	1.3	17
111	Quantification of aortic valve calcification on contrast-enhanced CT of patients prior to transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2017, 13, 921-927.	1.4	17
112	Recurrent posterior sacculation of the pregnant uterus and placenta increta. <i>Clinical Radiology</i> , 2006, 61, 527-530.	0.5	16
113	A clampless and sutureless aortic anastomosis technique using an endograft connector for aortoiliac occlusive disease in which the aorta cannot be clamped or sewn due to calcification or scarring. <i>Vascular</i> , 2012, 20, 262-267.	0.4	16
114	Iterative Reconstructions versus Filtered Back-Projection for Urinary Stone Detection in Low-Dose CT. <i>Academic Radiology</i> , 2013, 20, 1429-1435.	1.3	16
115	Value of tomosynthesis for lesion evaluation of small joints in osteoarthritic hands using the OARSI score. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1167-1171.	0.6	16
116	Emphysema and lung volume reduction: the role of radiology. <i>Journal of Thoracic Disease</i> , 2018, 10, S2719-S2731.	0.6	16
117	Comparison of MRI and VQ-SPECT as a Screening Test for Patients With Suspected CTEPH: CHANGE-MRI Study Design and Rationale. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 51.	1.1	16
118	Impact of CT convolution kernel on robustness of radiomic features for different lung diseases and tissue types. <i>British Journal of Radiology</i> , 2021, 94, 20200947.	1.0	16
119	Performance of virtual non-contrast images generated on clinical photon-counting detector CT for emphysema quantification: proof of concept. <i>British Journal of Radiology</i> , 2022, 95, 20211367.	1.0	16
120	MR Imaging by Using Very Short Echo-Time Sequences after Syngeneic Lung Transplantation in Mice. <i>Radiology</i> , 2012, 265, 753-761.	3.6	15
121	Radiation doses from phantom measurements at high-pitch dual-source computed tomography coronary angiography. <i>European Journal of Radiology</i> , 2012, 81, 773-779.	1.2	15
122	Structure of retracted tendons after staged repair following continuous traction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 2131-2137.	2.3	14
123	Dual Energy CT Pulmonary Angiography with 6g Iodine-A Propensity Score-Matched Study. <i>PLoS ONE</i> , 2016, 11, e0167214.	1.1	14
124	Epicardial adipose tissue volume is associated with adverse outcomes after transcatheter aortic valve replacement. <i>International Journal of Cardiology</i> , 2019, 286, 29-35.	0.8	14
125	Maximum Diameter Measurements of Aortic Aneurysms on Axial CT Images After Endovascular Aneurysm Repair: Sufficient for Follow-up?. <i>CardioVascular and Interventional Radiology</i> , 2011, 34, 1182-1189.	0.9	13
126	Impact of Three-Dimensional Imaging and Pressure Recovery on Echocardiographic Evaluation of Severe Aortic Stenosis: A Pilot Study. <i>Echocardiography</i> , 2014, 31, 1006-1016.	0.3	13

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127	Impact of stroke volume assessment by integrating multi-detector computed tomography and Doppler data on the classification of aortic stenosis. <i>International Journal of Cardiology</i> , 2017, 246, 80-86.	0.8	13
128	Volumetric assessment of solid pulmonary nodules on ultralow-dose CT: a phantom study. <i>Journal of Thoracic Disease</i> , 2019, 11, 3515-3524.	0.6	13
129	Implantation of personalized, biocompatible mitral annuloplasty rings: feasibility study in an animal model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 417-422.	0.5	12
130	Circulating complement component 4d (C4d) correlates with tumor volume, chemotherapeutic response and survival in patients with malignant pleural mesothelioma. <i>Scientific Reports</i> , 2017, 7, 16456.	1.6	12
131	Dose Reduction in Tomosynthesis of the Wrist. <i>American Journal of Roentgenology</i> , 2017, 208, 159-164.	1.0	12
132	Comparison of ultra-low dose chest CT scanning protocols for the detection of pulmonary nodules: a phantom study. <i>Tumori</i> , 2019, 105, 394-403.	0.6	12
133	Diagnostic performance of machine learning applied to texture analysis-derived features for breast lesion characterisation at automated breast ultrasound: a pilot study. <i>European Radiology Experimental</i> , 2019, 3, 44.	1.7	12
134	Speed of sound ultrasound: comparison with proton density fat fraction assessed with Dixon MRI for fat content quantification of the lower extremity. <i>European Radiology</i> , 2020, 30, 5272-5280.	2.3	12
135	Radiological and pathological findings of a metastatic composite paraganglioma with neuroblastoma in a man: a case report. <i>Journal of Medical Case Reports</i> , 2010, 4, 374.	0.4	11
136	Assessment of the extent of microcalcifications to predict the size of a ductal carcinoma in situ: comparison between tomosynthesis and conventional mammography. <i>Clinical Imaging</i> , 2016, 40, 1269-1273.	0.8	11
137	Atypical ductal hyperplasia: breast DCE-MRI can be used to reduce unnecessary open surgical excision. <i>European Radiology</i> , 2020, 30, 4069-4081.	2.3	11
138	Ongoing challenges in implementation of lung cancer screening. <i>Translational Lung Cancer Research</i> , 2021, 10, 2347-2355.	1.3	11
139	Diagnostic accuracy and added value of dual-energy subtraction radiography compared to standard conventional radiography using computed tomography as standard of reference. <i>PLoS ONE</i> , 2017, 12, e0174285.	1.1	11
140	Computed tomography radiomics for the prediction of thymic epithelial tumor histology, TNM stage and myasthenia gravis. <i>PLoS ONE</i> , 2021, 16, e0261401.	1.1	11
141	A curious case of convulsion. <i>Lancet, The</i> , 2010, 375, 2050.	6.3	10
142	Prospective Randomized Comparison of High-pitch CT at 80â€‰kVp Under Free Breathing with Standard-pitch CT at 100â€‰kVp Under Breath-Hold for Detection of Pulmonary Embolism. <i>Academic Radiology</i> , 2016, 23, 1335-1341.	1.3	10
143	Vertical Off-Centering in Reduced Dose Chest-CT: Impact on Effective Dose and Image Noise Values. <i>Academic Radiology</i> , 2020, 27, 508-517.	1.3	10
144	Case report of sequential bilateral spontaneous pneumothorax in a never-ventilated, lung-healthy COVID-19-patient. <i>International Journal of Surgery Case Reports</i> , 2020, 75, 441-445.	0.2	10

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145	Deep learning for automatic quantification of lung abnormalities in COVID-19 patients: First experience and correlation with clinical parameters. <i>European Journal of Radiology Open</i> , 2020, 7, 100272.	0.7	10
146	Sources of Variability in Shear Wave Speed and Dispersion Quantification with Ultrasound Elastography: A Phantom Study. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 3529-3542.	0.7	10
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