

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	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
2	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
3	Computer-Aided Detection of Seven Chest Pathologies on Standard Posteroanterior Chest X-Rays Compared to Radiologists Reading Dual-Energy Subtracted Radiographs. <i>Academic Radiology</i> , 2022, 29, e139-e148.	1.3	1
4	Comparison of detection of trauma-related injuries using combined "all-in-one" fused images and conventionally reconstructed images in acute trauma CT. <i>European Radiology</i> , 2022, , 1.	2.3	1
5	Impact of dose reduction and iterative reconstruction algorithm on the detectability of pulmonary nodules by artificial intelligence. <i>Diagnostic and Interventional Imaging</i> , 2022, 103, 273-280.	1.8	7
6	Dual-Energy CT Pulmonary Angiography for the Assessment of Surgical Accessibility in Patients with Chronic Thromboembolic Pulmonary Hypertension. <i>Diagnostics</i> , 2022, 12, 228.	1.3	2
7	Sarcopenia, Precardial Adipose Tissue and High Tumor Volume as Outcome Predictors in Surgically Treated Pleural Mesothelioma. <i>Diagnostics</i> , 2022, 12, 99.	1.3	3
8	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
9	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
10	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
11	Influence of CT Image Matrix Size and Kernel Type on the Assessment of HRCT in Patients with SSC-ILD. <i>Diagnostics</i> , 2022, 12, 1662.	1.3	1
12	Clinical assessment of image quality, usability and patient comfort in dedicated spiral breast computed tomography. <i>Clinical Imaging</i> , 2022, 90, 50-58.	0.8	6
13	Pneumonia Detection in Chest X-Ray Dose-Equivalent CT: Impact of Dose Reduction on Detectability by Artificial Intelligence. <i>Academic Radiology</i> , 2021, 28, 1043-1047.	1.3	2
14	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
15	Semiautomated robotic, CT-guided needle placement for postmortem CSF sampling "a Novel application of the Virtobot. <i>International Journal of Transgender Health</i> , 2021, 14, 75-79.	1.1	3
16	Quantification of immobilization-induced changes in human calf muscle using speed-of-sound ultrasound. <i>Medicine (United States)</i> , 2021, 100, e23576.	0.4	6
17	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
18	Breast density in dedicated breast computed tomography. <i>Medicine (United States)</i> , 2021, 100, e25844.	0.4	5

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19	Comparison of ultrasound speed-of-sound of the lower extremity and lumbar muscle assessed with computed tomography for muscle loss assessment. <i>Medicine (United States)</i> , 2021, 100, e25947.	0.4	4
20	Lung Nodules in Melanoma Patients: Morphologic Criteria to Differentiate Non-Metastatic and Metastatic Lesions. <i>Diagnostics</i> , 2021, 11, 837.	1.3	2
21	Ongoing challenges in implementation of lung cancer screening. <i>Translational Lung Cancer Research</i> , 2021, 10, 2347-2355.	1.3	11
22	Old Borders and New Horizons in Multimodality Imaging of Malignant Pleural Mesothelioma. <i>Thoracic and Cardiovascular Surgeon</i> , 2021, , .	0.4	2
23	Two centres experience of lung cancer resection in patients with advanced non-small cell lung cancer upon treatment with immune checkpoint inhibitors: safety and clinical outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 1297-1305.	0.6	9
24	Implementing CT tumor volume and CT pleural thickness into future staging systems for malignant pleural mesothelioma. <i>Cancer Imaging</i> , 2021, 21, 48.	1.2	6
25	Speed of sound and shear wave speed for calf soft tissue composition and nonlinearity assessment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4149-4161.	1.1	4
26	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
27	Breast Computed Tomography. <i>Investigative Radiology</i> , 2021, Publish Ahead of Print, .	3.5	4
28	Diagnostic Performance of Dual-Energy Subtraction Radiography for the Detection of Pulmonary Emphysema: An Intra-Individual Comparison. <i>Diagnostics</i> , 2021, 11, 1849.	1.3	2
29	Overlapping Reconstructions in Thin-section Computed Tomography. <i>Journal of Thoracic Imaging</i> , 2021, Publish Ahead of Print, .	0.8	1
30	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
31	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
32	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
33	Dedicated Spiral Breast Computed Tomography With a Single Photon-Counting Detector. <i>Investigative Radiology</i> , 2020, 55, 68-72.	3.5	25
34	Diagnostic value of a spiral breast computed tomography system equipped with photon counting detector technology in patients with implants. <i>Medicine (United States)</i> , 2020, 99, e20797.	0.4	9
35	Patterns of organizing pneumonia and microinfarcts as surrogate for endothelial disruption and microangiopathic thromboembolic events in patients with coronavirus disease 2019. <i>PLoS ONE</i> , 2020, 15, e0240078.	1.1	4
36	Functional, Metabolic and Morphologic Results of Ex Vivo Donor Lung Perfusion with a Perfluorocarbon-Based Oxygen Carrier Nanoemulsion in a Large Animal Transplantation Model. <i>Cells</i> , 2020, 9, 2501.	1.8	9

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37	Ultrasound Imaging of Injections in Masseter Muscle without Contrast Agent Using Strain Elastography and a Novel B-Mode Spatiotemporal Filter. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2717-2735.	0.7	1
38	Advances in imaging for lung emphysema. <i>Annals of Translational Medicine</i> , 2020, 8, 1467-1467.	0.7	6
39	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
40	The Impact on Outcome by Adding Bevacizumab to Standard Induction Chemotherapy Prior to Mesothelioma Surgery: A Retrospective Single Center Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 588563.	1.3	1
41	Accuracy of Conventional and Machine Learning Enhanced Chest Radiography for the Assessment of COVID-19 Pneumonia: Intra-Individual Comparison with CT. <i>Journal of Clinical Medicine</i> , 2020, 9, 3576.	1.0	5
42	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
43	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
44	Multimodality imaging derived energy loss index and outcome after transcatheter aortic valve replacement. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1092-1102.	0.5	9
45	1024-pixel image matrix for chest CT – Impact on image quality of bronchial structures in phantoms and patients. <i>PLoS ONE</i> , 2020, 15, e0234644.	1.1	7
46	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
47	Detection and localization of distal radius fractures: Deep learning system versus radiologists. <i>European Journal of Radiology</i> , 2020, 126, 108925.	1.2	44
48	First Report of a Large Mediastinal Lipoblastoma and its Complete Resection in an Adult: Case Report. <i>SN Comprehensive Clinical Medicine</i> , 2020, 2, 485-487.	0.3	0
49	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
50	Identification of target zones for lung volume reduction surgery using three-dimensional computed tomography rendering. <i>ERJ Open Research</i> , 2020, 6, 00305-2020.	1.1	6
51	Dynamic magnetic resonance imaging as an outcome predictor for lung-volume reduction surgery in patients with severe emphysema. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 446-454.	0.6	4
52	Pre-procedural CT angiography inferior vena cava measurements: a predictor of mortality in patients undergoing transcatheter aortic valve implantation. <i>European Radiology</i> , 2019, 29, 975-984.	2.3	5
53	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
54	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

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55	Applicability of color-coded computed tomography images in lung volume reduction surgery planning. <i>Journal of Thoracic Disease</i> , 2019, 11, 766-776.	0.6	7
56	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
57	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
58	THU0345â€¦TEXTURE-BASED RADIOMICS FEATURES DISCRIMINATE DIFFERENT STAGES OF EXPERIMENTAL INTERSTITIAL LUNG DISEASE. , 2019, , .		0
59	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
60	Breast Density Assessment in Young Women with Ultrasound based on Speed of Sound: Influence of the Menstrual Cycle. <i>Medicine (United States)</i> , 2019, 98, e16123.	0.4	7
61	Quantitative CT texture analysis for diagnosing systemic sclerosis. <i>Medicine (United States)</i> , 2019, 98, e16423.	0.4	9
62	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
63	Dedicated Breast Computed Tomography With a Photon-Counting Detector. <i>Investigative Radiology</i> , 2019, 54, 409-418.	3.5	49
64	18F-AzaFol for Detection of Folate Receptor-Î² Positive Macrophages in Experimental Interstitial Lung Diseaseâ€”A Proof-of-Concept Study. <i>Frontiers in Immunology</i> , 2019, 10, 2724.	2.2	27
65	Visualisation of interstitial lung disease by molecular imaging of integrin Î±vÎ²3 and somatostatin receptor 2. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 218-227.	0.5	24
66	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
67	Diseases of the Chest Wall, Pleura, and Diaphragm. <i>IDKD Springer Series</i> , 2019, , 95-106.	0.8	4
68	Imaging patterns of <i>Pneumocystis jirovecii</i> pneumonia in HIV-positive and renal transplant patients â€” a multicentre study. <i>Swiss Medical Weekly</i> , 2019, 149, w20130.	0.8	5
69	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. <i>Acta OncolÃ³gica</i> , 2018, 57, 1070-1074.	0.8	152
70	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
71	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
72	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

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73	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
74	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
75	Postoperative imaging of orthopaedic hardware in the hand and wrist: is there an added value for tomosynthesis?. <i>Clinical Radiology</i> , 2018, 73, 214.e1-214.e9.	0.5	9
76	Acute pulmonary embolism and multiple pulmonary nodules mimicking metastatic disease. <i>Thorax</i> , 2018, 73, 193-194.	2.7	4
77	Influence of breast cancer opportunistic screening on aesthetic surgical outcome: A single-center retrospective study in Switzerland. <i>Breast Journal</i> , 2018, 24, 285-290.	0.4	5
78	Successful lung volume reduction surgery in combined pulmonary emphysema and fibrosis without body-plethysmographic hyperinflation—a case report. <i>Journal of Thoracic Disease</i> , 2018, 10, S2830-S2834.	0.6	3
79	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
80	Emphysema and lung volume reduction: the role of radiology. <i>Journal of Thoracic Disease</i> , 2018, 10, S2719-S2731.	0.6	16
81	Variable radiological lung nodule evaluation leads to divergent management recommendations. <i>European Respiratory Journal</i> , 2018, 52, 1801359.	3.1	32
82	Author's response. <i>Breast Journal</i> , 2018, 24, 1139-1139.	0.4	0
83	Value of PET/MRI for assessing tumor resectability in NSCLC—intra-individual comparison with PET/CT. <i>British Journal of Radiology</i> , 2018, , 20180379.	1.0	8
84	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
85	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
86	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
87	First ultrasound diagnosis of BI-RADS 3 lesions in young patients: Can 6-months follow-up be sufficient to assess stability?. <i>European Journal of Radiology</i> , 2017, 89, 226-233.	1.2	7
88	Deep Learning in Mammography. <i>Investigative Radiology</i> , 2017, 52, 434-440.	3.5	285
89	Economical Sponge Phantom for Teaching, Understanding, and Researching A— and B—Line Reverberation Artifacts in Lung Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 2133-2142.	0.8	26
90	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

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91	MRI-guided breast vacuum biopsy: Localization of the lesion without contrast-agent application using diffusion-weighted imaging. <i>Magnetic Resonance Imaging</i> , 2017, 38, 1-5.	1.0	8
92	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
93	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
94	Ultrasound Needle Visibility in Contrast Mode Imaging: An In Vitro and Ex Vivo Study. <i>Ultrasound International Open</i> , 2017, 03, E82-E88.	0.3	3
95	Dose Reduction in Tomosynthesis of the Wrist. <i>American Journal of Roentgenology</i> , 2017, 208, 159-164.	1.0	12
96	Dose-Optimized Computed Tomography for Screening and Follow-Up of Solid Pulmonary Nodules in Obesity: A Phantom Study. <i>Current Problems in Diagnostic Radiology</i> , 2017, 46, 204-209.	0.6	5
97	Water-fat Dixon sequences in the evaluation of breast implants: proposal of a time effective rapid approach in the clinical practice. <i>Clinical Radiology</i> , 2017, 72, 799.e9-799.e15.	0.5	1
98	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
99	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
100	The value of ¹⁸ F-fluorodesoxyglucose positron emission tomography (FDG-PET/CT) in the detection of the primary lesion and for staging in brain metastasis (BM) patients with cancer of unknown primary site (CUPS).. <i>Journal of Clinical Oncology</i> , 2017, 35, 2076-2076.	0.8	0
101	<i>In vitro</i> 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
102	Surgical technique: establishing a pre-clinical large animal model to test aortic valve leaflet substitute. <i>Journal of Thoracic Disease</i> , 2016, 8, 3733-3738.	0.6	2
103	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
104	Gastrointestinal Dysfunction in Patients with Duchenne Muscular Dystrophy. <i>PLoS ONE</i> , 2016, 11, e0163779.	1.1	49
105	Dual Energy CT Pulmonary Angiography with 6g Iodine—A Propensity Score-Matched Study. <i>PLoS ONE</i> , 2016, 11, e0167214.	1.1	14
106	Application of a Colored Multiexposure High Dynamic Range Technique to Radiographic Imaging. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 658-662.	0.5	2
107	Influence of Sinogram-Affirmed Iterative Reconstruction on Computed Tomography-Based Lung Volumetry and Quantification of Pulmonary Emphysema. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 96-101.	0.5	3
108	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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109	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
110	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
111	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
112	Circulating activin A is a novel prognostic biomarker in malignant pleural mesothelioma â€“ A multi-institutional study. <i>European Journal of Cancer</i> , 2016, 63, 64-73.	1.3	21
113	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
114	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
115	TNM Staging of Nonâ€“Small Cell Lung Cancer: Comparison of PET/MR and PET/CT. <i>Journal of Nuclear Medicine</i> , 2016, 57, 21-26.	2.8	65
116	Which factors influence MRI-pathology concordance of tumour size measurements in breast cancer?. <i>European Radiology</i> , 2016, 26, 1457-1465.	2.3	35
117	Oxygen-enhanced MR (OE-MR): Correlation to CT Brody score in cystic fibrosis patients. , 2016, , .		0
118	Brief Report: Pulmonary Function Tests: High Rate of Falseâ€“Negative Results in the Early Detection and Screening of Sclerodermaâ€“Related Interstitial Lung Disease. <i>Arthritis and Rheumatology</i> , 2015, 67, 3256-3261.	2.9	157
119	Simulated Prosthesis Overlay for Patient-Specific Planning of Transcatheter Aortic Valve Implantation Procedures. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015, 10, 314-322.	0.4	1
120	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
121	Calcification Characteristics of Low-Flow Low-Gradient Severe Aortic Stenosis in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Cardiology Research and Practice</i> , 2015, 2015, 1-8.	0.5	2
122	Semiautomatic superimposition improves radiological assessment of curve flexibility in scoliosis. <i>European Radiology</i> , 2015, 25, 860-864.	2.3	2
123	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
124	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
125	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
126	Graft Patency in Long-term Survivors after Renovisceral Debranching with VORTEC. <i>CardioVascular and Interventional Radiology</i> , 2015, 38, 606-612.	0.9	5

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127	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
128	Quantitative Imaging. <i>Investigative Radiology</i> , 2015, 50, 187.	3.5	0
129	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
130	Interpretation of bedside chest X-rays in the ICU: is the radiologist still needed?. <i>Clinical Imaging</i> , 2015, 39, 1018-1023.	0.8	9
131	Advanced virtual monoenergetic images: improving the contrast of dual-energy CT pulmonary angiography. <i>Clinical Radiology</i> , 2015, 70, 1244-1251.	0.5	72
132	Aortic valve calcium score is a significant predictor for the occurrence of post-interventional paravalvular leakage after transcatheter aortic valve implantation " Results from a single center analysis of 260 consecutive patients. <i>International Journal of Cardiology</i> , 2015, 181, 185-187.	0.8	9
133	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
134	Simulated Prosthesis Overlay for Patient-Specific Planning of Transcatheter Aortic Valve Implantation Procedures. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015, 10, 314-322.	0.4	0
135	Evaluation of calcium loss after transcatheter aortic valve implantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 18, 67-72.	0.5	3
136	TAVI in a low left main coronary artery ostium and wide aortic sinus of Valsava. <i>European Heart Journal</i> , 2014, 35, 1791-1791.	1.0	1
137	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
138	Continuing Medical Education Activity in Echocardiography. <i>Echocardiography</i> , 2014, 31, 1005-1005.	0.3	0
139	Ultralow-Dose Chest Computed Tomography for Pulmonary Nodule Detection. <i>Investigative Radiology</i> , 2014, 49, 465-473.	3.5	206
140	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
141	Branch ligatures and blood aspiration for post-traumatic superficial temporal artery pseudoaneurysm: surgical technique. <i>General Thoracic and Cardiovascular Surgery</i> , 2014, 62, 68-70.	0.4	8
142	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
143	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
144	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

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