

Peter M A Van Ooijen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6699912/publications.pdf>

Version: 2024-02-01

210
papers

8,728
citations

100601

38
h-index

56606

87
g-index

219
all docs

219
docs citations

219
times ranked

9106
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural similarity analysis of midfacial fractures—a feasibility study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 1558-1565.	1.1	2
2	VeLight: A 3D virtual reality tool for CT-based anatomy teaching and training. <i>Journal of Visualization</i> , 2022, 25, 293-306.	1.1	2
3	Performance of a deep learning-based lung nodule detection system as an alternative reader in a Chinese lung cancer screening program. <i>European Journal of Radiology</i> , 2022, 146, 110068.	1.2	14
4	Qualitative Evaluation of Common Quantitative Metrics for Clinical Acceptance of Automatic Segmentation: a Case Study on Heart Contouring from CT Images by Deep Learning Algorithms. <i>Journal of Digital Imaging</i> , 2022, 35, 240-247.	1.6	2
5	Skip-SCSE Multi-scale Attention and Co-learning Method for Oropharyngeal Tumor Segmentation on Multi-modal PET-CT Images. <i>Lecture Notes in Computer Science</i> , 2022, , 109-120.	1.0	5
6	AI-Driven Model for Automatic Emphysema Detection in Low-Dose Computed Tomography Using Disease-Specific Augmentation. <i>Journal of Digital Imaging</i> , 2022, 35, 538-550.	1.6	3
7	Facilitating standardized COVID-19 suspicion prediction based on computed tomography radiomics in a multi-demographic setting. <i>European Radiology</i> , 2022, 32, 6384-6396.	2.3	4
8	Breast Tumor Identification in Ultrafast MRI Using Temporal and Spatial Information. <i>Cancers</i> , 2022, 14, 2042.	1.7	6
9	Coronary calcium scoring as first-line test to detect and exclude coronary artery disease in patients presenting to the general practitioner with stable chest pain: protocol of the cluster-randomised CONCRETE trial. <i>BMJ Open</i> , 2022, 12, e055123.	0.8	2
10	Federated Learning in Medical Imaging: Part I: Toward Multicentral Health Care Ecosystems. <i>Journal of the American College of Radiology</i> , 2022, 19, 969-974.	0.9	22
11	Computer 3D modeling of radiofrequency ablation of atypical cartilaginous tumours in long bones using finite element methods and real patient anatomy. <i>European Radiology Experimental</i> , 2022, 6, 21.	1.7	1
12	2D Gait Skeleton Data Normalization for Quantitative Assessment of Movement Disorders from Freehand Single Camera Video Recordings. <i>Sensors</i> , 2022, 22, 4245.	2.1	4
13	Pre-screening to guide coronary artery calcium scoring for early identification of high-risk individuals in the general population. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 24, 27-35.	0.5	4
14	Computed Tomography Screening for Early Lung Cancer, COPD and Cardiovascular Disease in Shanghai: Rationale and Design of a Population-based Comparative Study. <i>Academic Radiology</i> , 2021, 28, 36-45.	1.3	17
15	High-pitch dual-source CT for coronary artery calcium scoring: A head-to-head comparison of non-triggered chest versus triggered cardiac acquisition. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 65-72.	0.7	16
16	Evaluation of a novel deep learning-based classifier for perifissural nodules. <i>European Radiology</i> , 2021, 31, 4023-4030.	2.3	0
17	Iterative reconstruction and deep learning algorithms for enabling low-dose computed tomography in midfacial trauma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, 132, 247-254.	0.2	6
18	Deep convolutional neural networks for multiplanar lung nodule detection: Improvement in small nodule identification. <i>Medical Physics</i> , 2021, 48, 733-744.	1.6	23

#	ARTICLE	IF	CITATIONS
19	Applications of artificial intelligence (AI) in diagnostic radiology: a technography study. <i>European Radiology</i> , 2021, 31, 1805-1811.	2.3	52
20	From Physical Film to Picture Archiving and Communication Systems. <i>Imaging Informatics for Healthcare Professionals</i> , 2021, , 1-14.	0.4	1
21	Lung cancer prediction by Deep Learning to identify benign lung nodules. <i>Lung Cancer</i> , 2021, 154, 1-4.	0.9	76
22	Focal pericoronary adipose tissue attenuation is related to plaque presence, plaque type, and stenosis severity in coronary CTA. <i>European Radiology</i> , 2021, 31, 7251-7261.	2.3	19
23	Robust and Accurate Mandible Segmentation on Dental CBCT Scans Affected by Metal Artifacts Using a Prior Shape Model. <i>Journal of Personalized Medicine</i> , 2021, 11, 364.	1.1	12
24	Recurrent Convolutional Neural Networks for 3D Mandible Segmentation in Computed Tomography. <i>Journal of Personalized Medicine</i> , 2021, 11, 492.	1.1	15
25	Ultra-low-dose CT combined with noise reduction techniques for quantification of emphysema in COPD patients: An intra-individual comparison study with standard-dose CT. <i>European Journal of Radiology</i> , 2021, 138, 109646.	1.2	19
26	A semi-automatic seed point-based method for separation of individual vertebrae in 3D surface meshes: a proof of principle study. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1447-1457.	1.7	1
27	Mandible Segmentation of Dental CBCT Scans Affected by Metal Artifacts Using Coarse-to-Fine Learning Model. <i>Journal of Personalized Medicine</i> , 2021, 11, 560.	1.1	8
28	Automatic Segmentation of Mandible from Conventional Methods to Deep Learning – A Review. <i>Journal of Personalized Medicine</i> , 2021, 11, 629.	1.1	24
29	Effects of control temperature, ablation time, and background tissue in radiofrequency ablation of osteoid osteoma: A computer modeling study. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3512.	1.0	4
30	Machine learning based natural language processing of radiology reports in orthopaedic trauma. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 208, 106304.	2.6	38
31	Clinical and Radiologic Predictors of Parastomal Hernia Development After End Colostomy. <i>American Journal of Roentgenology</i> , 2021, 216, 94-103.	1.0	15
32	Sharing Imaging Data. <i>Imaging Informatics for Healthcare Professionals</i> , 2021, , 67-82.	0.4	0
33	Early imaging biomarkers of lung cancer, COPD and coronary artery disease in the general population: rationale and design of the ImaLife (Imaging in Lifelines) Study. <i>European Journal of Epidemiology</i> , 2020, 35, 75-86.	2.5	32
34	Experimental Multicenter and Multivendor Evaluation of the Performance of PET Radiomic Features Using 3-Dimensionally Printed Phantom Inserts. <i>Journal of Nuclear Medicine</i> , 2020, 61, 469-476.	2.8	54
35	Automatic Pulmonary Nodule Detection in CT Scans Using Convolutional Neural Networks Based on Maximum Intensity Projection. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 797-805.	5.4	105
36	Potential for dose reduction in CT emphysema densitometry with post-scan noise reduction: a phantom study. <i>British Journal of Radiology</i> , 2020, 93, 20181019.	1.0	11

#	ARTICLE	IF	CITATIONS
37	Assessment of Dynamic Change of Coronary Artery Geometry and Its Relationship to Coronary Artery Disease, Based on Coronary CT Angiography. <i>Journal of Digital Imaging</i> , 2020, 33, 480-489.	1.6	5
38	3D reconstruction of carotid artery in B-mode ultrasound image using modified template matching based on ellipse feature. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 301-312.	1.3	1
39	Design, Implementation, and Validation of a Pulsatile Heart Phantom Pump. <i>Journal of Digital Imaging</i> , 2020, 33, 1301-1305.	1.6	2
40	Towards reference values of pericoronary adipose tissue attenuation: impact of coronary artery and tube voltage in coronary computed tomography angiography. <i>European Radiology</i> , 2020, 30, 6838-6846.	2.3	38
41	A novel method for determining the Femoral-Tibial Angle of Knee Osteoarthritis on X-ray radiographs: data from the Osteoarthritis Initiative. <i>Heliyon</i> , 2020, 6, e04433.	1.4	4
42	Contextual Structured Reporting in Radiology: Implementation and Long-Term Evaluation in Improving the Communication of Critical Findings. <i>Journal of Medical Systems</i> , 2020, 44, 148.	2.2	10
43	Medical imaging informatics, more than "just" deep learning. <i>European Radiology</i> , 2020, 30, 5507-5509.	2.3	5
44	Deep learning for automated exclusion of cardiac CT examinations negative for coronary artery calcium. <i>European Journal of Radiology</i> , 2020, 129, 109114.	1.2	16
45	The International Association for the Study of Lung Cancer Early Lung Imaging Confederation. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 89-99.	1.0	13
46	Deep learning-based pulmonary nodule detection: Effect of slab thickness in maximum intensity projections at the nodule candidate detection stage. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105620.	2.6	16
47	Reduced Lung-Cancer Mortality with Volume CT Screening in a Randomized Trial. <i>New England Journal of Medicine</i> , 2020, 382, 503-513.	13.9	1,836
48	Application of artificial intelligence in cardiac CT: From basics to clinical practice. <i>European Journal of Radiology</i> , 2020, 128, 108969.	1.2	24
49	Promises of artificial intelligence in neuroradiology: a systematic technographic review. <i>Neuroradiology</i> , 2020, 62, 1265-1278.	1.1	17
50	Validation of a deep learning-based computer-aided system for lung nodule detection in a Chinese lung cancer screening program. , 2020, , .		1
51	Effect of slab thickness on pulmonary nodule detection using maximum intensity projection in a deep learning-based computer-aided detection system. , 2020, , .		0
52	Quantitative 3D measurements of tibial plateau fractures. <i>Scientific Reports</i> , 2019, 9, 14395.	1.6	17
53	Novel Model-Based Iterative Reconstruction and Deep Learning Algorithms for Multidetector Computed Tomography in Maxillofacial Trauma: A Quantitative Analysis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, e22.	0.5	0
54	Automatic segmentation of the mandible from computed tomography scans for 3D virtual surgical planning using the convolutional neural network. <i>Physics in Medicine and Biology</i> , 2019, 64, 175020.	1.6	44

#	ARTICLE	IF	CITATIONS
55	CT-measured skeletal muscle mass used to assess frailty in patients with head and neck cancer. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1060-1069.	2.9	67
56	Convolutional neural network to predict the local recurrence of giant cell tumor of bone after curettage based on pre-surgery magnetic resonance images. European Radiology, 2019, 29, 5441-5451.	2.3	30
57	Quality and Curation of Medical Images and Data. , 2019, , 247-255.		11
58	3D printing for heart valve disease: a systematic review. European Radiology Experimental, 2019, 3, 9.	1.7	29
59	Radiofrequency ablation of atypical cartilaginous tumors in long bones: a retrospective study. International Journal of Hyperthermia, 2019, 36, 1189-1195.	1.1	5
60	OA06.05 Evaluation of a Deep Learning-Based Automatic Classifier for the Classification of Perifissural Nodules. Journal of Thoracic Oncology, 2019, 14, S221.	0.5	1
61	Persisting new nodules in incidence rounds of the NELSON CT lung cancer screening study. Thorax, 2019, 74, 247-253.	2.7	18
62	Non-invasive assessment of coronary artery geometry using coronary CTA. Journal of Cardiovascular Computed Tomography, 2018, 12, 257-260.	0.7	11
63	Characteristics of new solid nodules detected in incidence screening rounds of low-dose CT lung cancer screening: the NELSON study. Thorax, 2018, 73, 741-747.	2.7	35
64	Improvement of radiology reporting in a clinical cancer network: impact of an optimised multidisciplinary workflow. European Radiology, 2018, 28, 4274-4280.	2.3	13
65	Perception of radiology reporting efficacy by neurologists in general and university hospitals. Clinical Radiology, 2018, 73, 675.e1-675.e7.	0.5	4
66	High-pitch versus sequential mode for coronary calcium in individuals with a high heart rate: Potential for dose reduction. Journal of Cardiovascular Computed Tomography, 2018, 12, 298-304.	0.7	10
67	Influence of lung nodule margin on volume- and diameter-based reader variability in CT lung cancer screening. British Journal of Radiology, 2018, 91, 20170405.	1.0	31
68	Coronary Artery Calcium Imaging in the ROBINSCA Trial. Academic Radiology, 2018, 25, 118-128.	1.3	36
69	Disagreement of diameter and volume measurements for pulmonary nodule size estimation in CT lung cancer screening. Thorax, 2018, 73, 779-781.	2.7	62
70	Respiratory level tracking with visual biofeedback for consistent breath-hold level with potential application in image-guided interventions. European Radiology Experimental, 2018, 2, 22.	1.7	3
71	P2.11-02 Direct Comparison of New Solid Nodules Detected in Women and Men During Incidence Screening Rounds of the NELSON Trial. Journal of Thoracic Oncology, 2018, 13, S779-S780.	0.5	2
72	Relationship between the number of new nodules and lung cancer probability in incidence screening rounds of CT lung cancer screening: The NELSON study. Lung Cancer, 2018, 125, 103-108.	0.9	39

#	ARTICLE	IF	CITATIONS
73	Diagnostic reliability of low dose multidetector CT and cone beam CT in maxillofacial trauma – an experimental blinded and randomized study. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20170423.	1.3	14
74	A model including sarcopenia surpasses the MELD score in predicting waiting list mortality in cirrhotic liver transplant candidates: A competing risk analysis in a national cohort. <i>Journal of Hepatology</i> , 2018, 68, 707-714.	1.8	161
75	Final screening round of the NELSON lung cancer screening trial: the effect of a 2.5-year screening interval. <i>Thorax</i> , 2017, 72, 48-56.	2.7	212
76	MA01.07 Influence of Nodule Morphology on Inter-Reader Variability of Volume and Diameter Measurements in CT Lung Cancer Screening. <i>Journal of Thoracic Oncology</i> , 2017, 12, S345-S346.	0.5	0
77	P1.03-042 Nodule Size is Poorly Represented by Nodule Diameter in Low-Dose CT Lung Cancer Screening. <i>Journal of Thoracic Oncology</i> , 2017, 12, S567-S568.	0.5	1
78	Coronary artery calcium quantification on first, second and third generation dual source CT: A comparison study. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 444-448.	0.7	7
79	Relationship between nodule count and lung cancer probability in baseline CT lung cancer screening: The NELSON study. <i>Lung Cancer</i> , 2017, 113, 45-50.	0.9	64
80	Airway wall thickness on HRCT scans decreases with age and increases with smoking. <i>BMC Pulmonary Medicine</i> , 2017, 17, 27.	0.8	23
81	Reduction in Spinal Radiographic Progression in Ankylosing Spondylitis Patients Receiving Prolonged Treatment With Tumor Necrosis Factor Inhibitors. <i>Arthritis Care and Research</i> , 2017, 69, 1011-1019.	1.5	77
82	P2.13-007 Relationship of Nodule Count and Lung Cancer Probability in New Nodules Detected after Baseline in CT Lung Cancer Screening. <i>Journal of Thoracic Oncology</i> , 2017, 12, S2167-S2168.	0.5	0
83	OA 15.07 Value of Nodule Characteristics in Risk-Stratification of New Incident Nodules Detected in CT Lung Cancer Screening. <i>Journal of Thoracic Oncology</i> , 2017, 12, S1786-S1787.	0.5	0
84	Medical Imaging Informatics in Nuclear Medicine. , 2017, , 241-267.		2
85	Quantitative Myocardial Perfusion with Dynamic Contrast-Enhanced Imaging in MRI and CT: Theoretical Models and Current Implementation. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	23
86	Quantitative STIR of muscle for monitoring nerve regeneration. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 401-410.	1.9	10
87	Is aortoiliac calcification linked to colorectal anastomotic leakage? A case-control study. <i>International Journal of Surgery</i> , 2016, 25, 123-127.	1.1	13
88	Implementation and Validation of PACS Integrated Peer Review for Discrepancy Recording of Radiology Reporting. <i>Journal of Medical Systems</i> , 2016, 40, 193.	2.2	3
89	Occurrence and lung cancer probability of new solid nodules at incidence screening with low-dose CT: analysis of data from the randomised, controlled NELSON trial. <i>Lancet Oncology</i> , The, 2016, 17, 907-916.	5.1	183
90	Post-deployment usability evaluation of a radiology workstation. <i>International Journal of Medical Informatics</i> , 2016, 85, 28-35.	1.6	8

#	ARTICLE	IF	CITATIONS
91	Image De-Identification Methods for Clinical Research in the XDS Environment. <i>Journal of Medical Systems</i> , 2016, 40, 83.	2.2	7
92	Radiologists'™ Usage of Social Media: Results of the RANSOM Survey. <i>Journal of Digital Imaging</i> , 2016, 29, 443-449.	1.6	68
93	Pattern mining of user interaction logs for a post-deployment usability evaluation of a radiology PACS client. <i>International Journal of Medical Informatics</i> , 2016, 85, 36-42.	1.6	12
94	Predicting Human Performance Differences on Multiple Interface Alternatives: KLM, GOMS and CogTool are Unreliable. <i>Procedia Manufacturing</i> , 2015, 3, 3725-3731.	1.9	4
95	Spinal Radiographic Progression in Patients with Ankylosing Spondylitis Treated with TNF-Î± Blocking Therapy: A Prospective Longitudinal Observational Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0122693.	1.1	46
96	Semiautomatic, Quantitative Measurement of Aortic Valve Area Using CTA: Validation and Comparison with Transthoracic Echocardiography. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	3
97	Validation of Quantitative Measurements in Cardiovascular Imaging. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	0
98	Intermodel Agreement of Myocardial Blood Flow Estimation From Stress-Rest Myocardial Perfusion Magnetic Resonance Imaging in Patients With Coronary Artery Disease. <i>Investigative Radiology</i> , 2015, 50, 275-282.	3.5	8
99	Free DICOM de-identification tools in clinical research: functioning and safety of patient privacy. <i>European Radiology</i> , 2015, 25, 3685-3695.	2.3	68
100	Improving the radiologist's™CAD interaction: designing for appropriate trust. <i>Clinical Radiology</i> , 2015, 70, 115-122.	0.5	40
101	Adaptive support for user interface customization: a study in radiology. <i>International Journal of Human Computer Studies</i> , 2015, 77, 1-9.	3.7	24
102	Correction of lumen contrast-enhancement influence on non-calcified coronary atherosclerotic plaque quantification on CT. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 429-436.	0.7	2
103	A Web-Based Institutional DICOM Distribution System with the Integration of the Clinical Trial Processor (CTP). <i>Journal of Medical Systems</i> , 2015, 39, 45.	2.2	7
104	DICOM data migration for PACS transition: procedure and pitfalls. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1055-1064.	1.7	9
105	Comparing Four Touch-Based Interaction Techniques for an Image-Based Audience Response System. <i>International Journal of Human-Computer Interaction</i> , 2015, 31, 440-450.	3.3	3
106	Integration of oncologic margins in three-dimensional virtual planning for head and neck surgery, including a validation of the software pathway. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1374-1379.	0.7	30
107	Does the aortic annulus undergo conformational change throughout the cardiac cycle? A systematic review. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, jev210.	0.5	41
108	Social media for radiologists: an introduction. <i>Insights Into Imaging</i> , 2015, 6, 741-752.	1.6	34

#	ARTICLE	IF	CITATIONS
109	Comparison of three software systems for semi-automatic volumetry of pulmonary nodules on baseline and follow-up CT examinations. <i>Acta Radiologica</i> , 2014, 55, 691-698.	0.5	44
110	Features of Resolving and Nonresolving Indeterminate Pulmonary Nodules at Follow-up CT: The NELSON Study. <i>Radiology</i> , 2014, 270, 872-879.	3.6	36
111	Lung cancer probability in patients with CT-detected pulmonary nodules: a prespecified analysis of data from the NELSON trial of low-dose CT screening. <i>Lancet Oncology</i> , The, 2014, 15, 1332-1341.	5.1	424
112	Merits of usability testing for PACS selection. <i>International Journal of Medical Informatics</i> , 2014, 83, 27-36.	1.6	21
113	Impact of cross-enterprise data sharing on portable media with decentralised upload of DICOM data into PACS. <i>Insights Into Imaging</i> , 2014, 5, 157-164.	1.6	3
114	Small Irregular Pulmonary Nodules in Low-Dose CT: Observer Detection Sensitivity and Volumetry Accuracy. <i>American Journal of Roentgenology</i> , 2014, 202, W202-W209.	1.0	27
115	Low-dose CT measurements of airway dimensions and emphysema associated with airflow limitation in heavy smokers: a cross sectional study. <i>Respiratory Research</i> , 2013, 14, 11.	1.4	32
116	Non-calcified coronary atherosclerotic plaque visualization on CT: effects of contrast-enhancement and lipid-content fractions. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1137-1148.	0.7	9
117	Optimisation of volume-doubling time cutoff for fast-growing lung nodules in CT lung cancer screening reduces false-positive referrals. <i>European Radiology</i> , 2013, 23, 1836-1845.	2.3	79
118	Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. <i>European Radiology</i> , 2013, 23, 139-147.	2.3	55
119	Computer-Aided Segmentation and Volumetry of Artificial Ground-Glass Nodules at Chest CT. <i>American Journal of Roentgenology</i> , 2013, 201, 295-300.	1.0	29
120	Influence of the Choice of Software Package on the Outcome of Semiquantitative MR Myocardial Perfusion Analysis. <i>Radiology</i> , 2013, 266, 759-765.	3.6	10
121	Computer-assisted surgery for allograft shaping in hemicortical resection. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 84, 224-226.	1.2	15
122	Inter- and intrascanner variability of pulmonary nodule volumetry on low-dose 64-row CT: an anthropomorphic phantom study. <i>British Journal of Radiology</i> , 2013, 86, 20130160.	1.0	15
123	Automatic Cobb Angle Determination From Radiographic Images. <i>Spine</i> , 2013, 38, E1256-E1262.	1.0	64
124	A practical approach to radiological evaluation of CT lung cancer screening examinations. <i>Cancer Imaging</i> , 2013, 13, 391-399.	1.2	9
125	A Meta Analysis and Hierarchical Classification of HU-Based Atherosclerotic Plaque Characterization Criteria. <i>PLoS ONE</i> , 2013, 8, e73460.	1.1	23
126	Systematic Error in Lung Nodule Volumetry: Effect of Iterative Reconstruction Versus Filtered Back Projection at Different CT Parameters. <i>American Journal of Roentgenology</i> , 2012, 199, 1241-1246.	1.0	44

#	ARTICLE	IF	CITATIONS
127	Sequential MR Imaging of Denervated and Reinnervated Skeletal Muscle as Correlated to Functional Outcome. <i>Radiology</i> , 2012, 264, 522-530.	3.6	30
128	Informatics in Radiology: Postprocessing Pitfalls in Using CT for Automatic and Semiautomatic Determination of Global Left Ventricular Function. <i>Radiographics</i> , 2012, 32, 589-599.	1.4	14
129	Performance of computer-aided detection of pulmonary nodules in low-dose CT: comparison with double reading by nodule volume. <i>European Radiology</i> , 2012, 22, 2076-2084.	2.3	110
130	Small calcified coronary atherosclerotic plaque simulation model: minimal size and attenuation detectable by 64-MDCT and MicroCT. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 843-853.	0.7	14
131	Implementation of an anonymisation tool for clinical trials using a clinical trial processor integrated with an existing trial patient data information system. <i>European Radiology</i> , 2012, 22, 144-151.	2.3	12
132	Semi-automatic measurement of left ventricular function on dual source computed tomography using five different software tools in comparison with magnetic resonance imaging. <i>European Journal of Radiology</i> , 2011, 80, 755-766.	1.2	13
133	Design and implementation of I2Vote "An interactive image-based voting system using windows mobile devices. <i>International Journal of Medical Informatics</i> , 2011, 80, 562-569.	1.6	5
134	Computer-aided detection in breast MRI: a systematic review and meta-analysis. <i>European Radiology</i> , 2011, 21, 1600-1608.	2.3	66
135	Inter-observer variability of visual analysis of "stress" only adenosine first-pass myocardial perfusion imaging in relation to clinical experience and reading criteria. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 557-562.	0.7	12
136	Comparison of (semi-)automatic and manually adjusted measurements of left ventricular function in dual source computed tomography using three different software tools. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 787-794.	0.7	10
137	A Situational Alignment Framework for PACS. <i>Journal of Digital Imaging</i> , 2011, 24, 979-992.	1.6	11
138	MR intensity measurements of nondenervated muscle in patients following severe forearm trauma. <i>NMR in Biomedicine</i> , 2011, 24, 895-901.	1.6	3
139	Optimal postprocessing of images following cardiac examination using CT and MRI. <i>Imaging in Medicine</i> , 2010, 2, 459-474.	0.0	0
140	Volumetric measurement of pulmonary nodules at low-dose chest CT: effect of reconstruction setting on measurement variability. <i>European Radiology</i> , 2010, 20, 1180-1187.	2.3	59
141	Accessibility of Data Backup on CD-R after 8 to 11 years. <i>Journal of Digital Imaging</i> , 2010, 23, 95-99.	1.6	6
142	Geometry of the Intervertebral Volume and Vertebral Endplates of the Human Spine. <i>Annals of Biomedical Engineering</i> , 2010, 38, 33-40.	1.3	62
143	Reproducibility of Standing Posture for X-Ray Radiography: A Feasibility Study of the BalancAid with Healthy Young Subjects. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3237-3245.	1.3	10
144	Quantitative image analysis for the detection of motion artefacts in coronary artery computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2010, 26, 77-87.	0.7	4

#	ARTICLE	IF	CITATIONS
145	A framework for human spine imaging using a freehand 3D ultrasound system. <i>Technology and Health Care</i> , 2010, 18, 1-17.	0.5	33
146	Long-term reproducibility of phantom signal intensities in nonuniformity corrected STIR-MRI examinations of skeletal muscle. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 201-209.	1.1	4
147	Ultrasonography to Quantify Hepatic Fat Content: Validation by ¹ H Magnetic Resonance Spectroscopy. <i>Obesity</i> , 2009, 17, 2239-2244.	1.5	40
148	The reliability of automatic measurement of left ventricular function with dual-source computed tomography datasets. <i>European Radiology</i> , 2009, 19, 2919-2930.	2.3	5
149	Assessment of image quality of 64-row Dual Source versus Single Source CT coronary angiography on heart rate: A phantom study. <i>European Journal of Radiology</i> , 2009, 70, 61-68.	1.2	20
150	Management of Lung Nodules Detected by Volume CT Scanning. <i>New England Journal of Medicine</i> , 2009, 361, 2221-2229.	13.9	758
151	3D ultrasound reconstruction of spinal images using an improved Olympic Hole-filling method. , 2009, , .		9
152	Accuracy of Noninvasive Coronary Stenosis Quantification of Different Commercially Available Dedicated Software Packages. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 505-512.	0.5	8
153	Multi-Dimensional Computed Cardiac Visualization. <i>Medical Radiology</i> , 2009, , 297-338.	0.0	0
154	Coronary artery calcium screening: current status and recommendations from the European Society of Cardiac Radiology and North American Society for Cardiovascular Imaging. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 645-671.	0.7	94
155	Use of a Thin-Section Archive and Enterprise 3-Dimensional Software for Long-Term Storage of Thin-Slice CT Data Sets—A Reviewers'™ Response. <i>Journal of Digital Imaging</i> , 2008, 21, 188-192.	1.6	4
156	Coronary revascularization treatment based on dual-source computed tomography. <i>European Radiology</i> , 2008, 18, 1800-1808.	2.3	3
157	Coronary artery calcium screening: current status and recommendations from the European Society of Cardiac Radiology and North American Society for Cardiovascular Imaging. <i>European Radiology</i> , 2008, 18, 2785-2807.	2.3	93
158	Visualization of anomalous coronary arteries on dual-source computed tomography. <i>European Radiology</i> , 2008, 18, 2425-2432.	2.3	32
159	Automated Computer-Assisted Detection, Measurement and Diagnosis. <i>Imaging Decisions (Berlin,)</i> Tj ETQq1 1 0.784314 rgBT ₀ /Overlock	0.2	
160	Computer-Aided Detection in Breast Magnetic Resonance Imaging: a Review. <i>Imaging Decisions (Berlin,)</i> Tj ETQq0,0,0 rgBT ₁ /Overlock	0.2	
161	Including Oncological Image Data From CD-ROMs into the Normal Workflow. <i>Journal of Oncology Practice</i> , 2008, 4, 210-211.	2.5	3
162	Localization and Quantification of Regional and Segmental Air Trapping in Asthma. <i>Journal of Computer Assisted Tomography</i> , 2008, 32, 562-569.	0.5	10

#	ARTICLE	IF	CITATIONS
163	Digital Versus Analogue Preoperative Planning of Total Hip Arthroplasties. <i>Journal of Arthroplasty</i> , 2007, 22, 866-870.	1.5	64
164	A model for temporal resolution of multidetector computed tomography of coronary arteries in relation to rotation time, heart rate and reconstruction algorithm. <i>European Radiology</i> , 2007, 17, 784-812.	2.3	17
165	A new approach to the assessment of lumen visibility of coronary artery stent at various heart rates using 64-slice MDCT. <i>European Radiology</i> , 2007, 17, 1879-1884.	2.3	20
166	Coronary fly-through or virtual angiography using dual-source MDCT data. <i>European Radiology</i> , 2007, 17, 2852-2859.	2.3	16
167	Design and Implementation of Gradient Vector Flow Snake to Detect a Reference Object in Pelvic X-Rays for Preoperative Total Hip Arthroplasty Planning Application. <i>Journal of Digital Imaging</i> , 2007, 20, 373-380.	1.6	0
168	Correction of Error in Two-dimensional Wear Measurements of Cemented Hip Arthroplasties. <i>Clinical Orthopaedics and Related Research</i> , 2006, 442, 180-186.	0.7	6
169	Initial Results on Visualization of Coronary Artery Stents at Multiple Heart Rates on a Moving Heart Phantom Using 64-MDCT. <i>Journal of Computer Assisted Tomography</i> , 2006, 30, 812-817.	0.5	20
170	Clinical Implementation of Dual-Source Computed Tomography for Diagnostic Cardiovascular Angiography: Initial Experience. <i>Imaging Decisions (Berlin, Germany)</i> , 2006, 10, 27-33.	0.2	2
171	Development and Validation of Queries Using Structured Query Language (SQL) to Determine the Utilization of Comparison Imaging in Radiology Reports Stored on PACS. <i>Journal of Digital Imaging</i> , 2006, 19, 52-68.	1.6	10
172	User Questionnaire to Evaluate the Radiological Workspace. <i>Journal of Digital Imaging</i> , 2006, 19, 52-59.	1.6	11
173	Evaluation of the Use of CD-ROM Upload into the PACS or Institutional Web Server. <i>Journal of Digital Imaging</i> , 2006, 19, 72-77.	1.6	15
174	Influence of scoring parameter settings on Agatston and volume scores for coronary calcification. <i>European Radiology</i> , 2005, 15, 102-110.	2.3	28
175	Multidetector computed tomography-guided treatment strategy in patients with non-ST elevation acute coronary syndromes: a pilot study. <i>European Radiology</i> , 2005, 15, 708-713.	2.3	41
176	A 16-slice multidetector computed tomography protocol for evaluation of the gastroepiploic artery grafts in patients after coronary artery bypass surgery. <i>European Radiology</i> , 2005, 15, 1994-1999.	2.3	8
177	Incorporating Out-Patient Data From CD-R Into the Local PACS Using DICOM Worklist Features. <i>Journal of Digital Imaging</i> , 2005, 18, 196-202.	1.6	19
178	Comparison of analog and digital preoperative planning in total hip and knee arthroplasties. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 76, 78-84.	1.2	106
179	Digital correction of magnification in pelvic x rays for preoperative planning of hip joint replacements: Theoretical development and clinical results of a new protocol. <i>Medical Physics</i> , 2005, 32, 2580-2589.	1.6	32
180	PACS storage requirementsâ€™ influence of changes in imaging modalities. <i>International Congress Series</i> , 2005, 1281, 888-893.	0.2	3

#	ARTICLE	IF	CITATIONS
181	DICOM storage into PACS of out-hospital CD-ROMs—a half year experience report. International Congress Series, 2005, 1281, 883-887.	0.2	2
182	Post-processing in CT and MR Cardiac Datasets. Imaging Decisions (Berlin, Germany), 2004, 8, 1-1.	0.2	0
183	System for Segmentation and Selective Visualization of the Coronary Artery Tree for Evaluation of Stenosis, Soft Plaque and Calcification in Cardiac CTA. Imaging Decisions (Berlin, Germany), 2004, 8, 25-30.	0.2	2
184	Detection, visualization and evaluation of anomalous coronary anatomy on 16-slice multidetector-row CT. European Radiology, 2004, 14, 2163-2171.	2.3	88
185	Multi-detector computed tomography and 3-dimensional imaging in a multi-vendor picture archiving and communications systems (PACS) environment1. Academic Radiology, 2004, 11, 649-660.	1.3	12
186	Coronary Anatomy. Medical Radiology, 2004, , 1-23.	0.0	0
187	Multi-Dimensional Computed Coronary Visualization. Medical Radiology, 2004, , 227-282.	0.0	0
188	Noninvasive Coronary Imaging: CT versus MR. Herz, 2003, 28, 143-149.	0.4	6
189	Recent Developments in Organ-Selective Reconstruction and Analysis of Multiphase Liver CT. Imaging Decisions (Berlin, Germany), 2003, 7, 37-43.	0.2	10
190	Noninvasive Coronary Imaging Using Electron Beam Computed Tomography. Imaging Decisions (Berlin,) Tj ETQq0 0,0 rgBT /Overlock 10	0.2	0
191	Imaging Coronary Artery Bypass Grafts Using 16-Slice Multidetector Computed Tomography. Imaging Decisions (Berlin, Germany), 2003, 7, 9-14.	0.2	2
192	The influence of beam-pitch, reconstruction slice-thickness, and kernel on 3D visualisation of 16-MSCT data. International Congress Series, 2003, 1256, 6-12.	0.2	0
193	Multi-detector CT and 3D imaging in a multi-vendor PACS environment. International Congress Series, 2003, 1256, 860-865.	0.2	1
194	Noninvasive Coronary Imaging Using Electron Beam CT: Surface Rendering Versus Volume Rendering. American Journal of Roentgenology, 2003, 180, 223-226.	1.0	21
195	Coronary Artery Imaging with Multidetector CT: Visualization Issues. Radiographics, 2003, 23, e16-e16.	1.4	53
196	Comparison of contrast-enhanced magnetic resonance angiography and conventional pulmonary angiography for the diagnosis of pulmonary embolism: a prospective study. Lancet, The, 2002, 359, 1643-1647.	6.3	296
197	Comparison of coronary imaging between magnetic resonance imaging and electron beam computed tomography. American Journal of Cardiology, 2002, 90, 58-63.	0.7	24
198	Noninvasive coronary angioscopy using electron beam computed tomography and multidetector computed tomography. American Journal of Cardiology, 2002, 90, 998-1002.	0.7	11

#	ARTICLE	IF	CITATIONS
199	Three-dimensional volume rendered CT for preparation and evaluation of endovascular treatment of popliteal aneurysms. International Congress Series, 2001, 1230, 475-482.	0.2	0
200	Coronary angiography with multi-slice computed tomography. Lancet, The, 2001, 357, 599-603.	6.3	665
201	Four-Dimensional Cardiac Imaging With Multislice Computed Tomography. Circulation, 2001, 103, E62.	1.6	14
202	Coronary Artery Fly-Through Using Electron Beam Computed Tomography. Circulation, 2000, 102, E6-10.	1.6	16
203	MR Coronary Angiography with Breath-hold Targeted Volumes: Preliminary Clinical Results. Radiology, 2000, 217, 270-277.	3.6	107
204	Intravenous coronary angiography using electron beam computed tomography. Progress in Cardiovascular Diseases, 1999, 42, 139-148.	1.6	18
205	Basic principles of magnetic resonance imaging. Progress in Cardiovascular Diseases, 1999, 42, 149-156.	1.6	41
206	Magnetic resonance imaging of the coronary arteries: Techniques and results. Progress in Cardiovascular Diseases, 1999, 42, 157-166.	1.6	15
207	Magnetic resonance imaging of the coronary arteries. Coronary Artery Disease, 1999, 10, 266-270.	0.3	2
208	Intravenous Coronary Angiography by Electron Beam Computed Tomography. Circulation, 1998, 98, 2509-2512.	1.6	123
209	Magnetic resonance and electron beam tomography coronary angiography. Developments in Cardiovascular Medicine, 1998, , 411-418.	0.1	0
210	MRI and MRA of the Pulmonary Vasculature. , 0, , 171-219.		0