

Joon Beom Seo

List of Publications by Year in descending order

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271
papers

10,494
citations

38742

50
h-index

45317

90
g-index

277
all docs

277
docs citations

277
times ranked

10106
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning in Medical Imaging: General Overview. Korean Journal of Radiology, 2017, 18, 570.	3.4	834
2	Histopathologic Pattern and Clinical Features of Rheumatoid Arthritis-Associated Interstitial Lung Disease. Chest, 2005, 127, 2019-2027.	0.8	406
3	Atypical Pulmonary Metastases: Spectrum of Radiologic Findings. Radiographics, 2001, 21, 403-417.	3.3	363
4	Pulmonary Tuberculoma Evaluated by Means of FDG PET: Findings in 10 Cases. Radiology, 2000, 216, 117-121.	7.3	314
5	Long-Term Predictors of Descending Aorta Aneurysmal Change in Patients With Aortic Dissection. Journal of the American College of Cardiology, 2007, 50, 799-804.	2.8	299
6	Coronary Artery Anomalies: Classification and ECG-gated Multi-detector Row CT Findings with Angiographic Correlation. Radiographics, 2006, 26, 317-333.	3.3	284
7	Interstitial lung abnormalities detected incidentally on CT: a Position Paper from the Fleischner Society. Lancet Respiratory Medicine, 2020, 8, 726-737.	10.7	279
8	Clinical Utility of Dual-Energy CT in the Evaluation of Solitary Pulmonary Nodules: Initial Experience. Radiology, 2008, 249, 671-681.	7.3	243
9	Radiomics and its emerging role in lung cancer research, imaging biomarkers and clinical management: State of the art. European Journal of Radiology, 2017, 86, 297-307.	2.6	222
10	Deep Learning-based Image Conversion of CT Reconstruction Kernels Improves Radiomics Reproducibility for Pulmonary Nodules or Masses. Radiology, 2019, 292, 365-373.	7.3	198
11	Quantitative Assessment of Emphysema, Air Trapping, and Airway Thickening on Computed Tomography. Lung, 2008, 186, 157-165.	3.3	194
12	Cycle-consistent adversarial denoising network for multiphase coronary CT angiography. Medical Physics, 2019, 46, 550-562.	3.0	157
13	Right paratracheal air cysts in the thoracic inlet: clinical and radiologic significance.. American Journal of Roentgenology, 1999, 173, 65-70.	2.2	156
14	Xenon Ventilation CT with a Dual-Energy Technique of Dual-Source CT: Initial Experience. Radiology, 2008, 248, 615-624.	7.3	155
15	Mucoepidermoid Carcinoma of the Tracheobronchial Tree: Radiographic and CT Findings in 12 Patients. Radiology, 1999, 212, 643-648.	7.3	141
16	Dual-Energy CT for Assessment of the Severity of Acute Pulmonary Embolism: Pulmonary Perfusion Defect Score Compared With CT Angiographic Obstruction Score and Right Ventricular/Left Ventricular Diameter Ratio. American Journal of Roentgenology, 2010, 194, 604-610.	2.2	138
17	Radiologic and Clinical Findings of Behçet Disease: Comprehensive Review of Multisystemic Involvement. Radiographics, 2008, 28, e31.	3.3	127
18	Broncholithiasis: Review of the Causes with Radiologic-Pathologic Correlation. Radiographics, 2002, 22, S199-S213.	3.3	113

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19	Amyloidosis and Lymphoproliferative Disease in Sjögren Syndrome. <i>Journal of Computer Assisted Tomography</i> , 2004, 28, 776-781.	0.9	113
20	Efficient liver segmentation using a level-set method with optimal detection of the initial liver boundary from level-set speed images. <i>Computer Methods and Programs in Biomedicine</i> , 2007, 88, 26-38.	4.7	100
21	Expanding Applications of Pulmonary MRI in the Clinical Evaluation of Lung Disorders: Fleischner Society Position Paper. <i>Radiology</i> , 2020, 297, 286-301.	7.3	95
22	Texture-Based Quantification of Pulmonary Emphysema on High-Resolution Computed Tomography: Comparison With Density-Based Quantification and Correlation With Pulmonary Function Test. <i>Investigative Radiology</i> , 2008, 43, 395-402.	6.2	93
23	Imaging of Marfan Syndrome: Multisystemic Manifestations. <i>Radiographics</i> , 2007, 27, 989-1004.	3.3	91
24	Deep Learning Applications in Chest Radiography and Computed Tomography. <i>Journal of Thoracic Imaging</i> , 2019, 34, 75-85.	1.5	90
25	Responses to inhaled long-acting beta-agonist and corticosteroid according to COPD subtype. <i>Respiratory Medicine</i> , 2010, 104, 542-549.	2.9	89
26	Oxygen-enhanced Magnetic Resonance Imaging versus Computed Tomography. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 1095-1102.	5.6	87
27	Factors Influencing Vascular and Hepatic Enhancement at CT: Experimental Study on Injection Protocol Using a Canine Model. <i>Journal of Computer Assisted Tomography</i> , 2000, 24, 400-406.	0.9	85
28	Xenon Ventilation Imaging Using Dual-Energy Computed Tomography in Asthmatics. <i>Investigative Radiology</i> , 2010, 45, 354-361.	6.2	84
29	Dual-energy Computed Tomography Characterization of Solitary Pulmonary Nodules. <i>Journal of Thoracic Imaging</i> , 2010, 25, 301-310.	1.5	83
30	Lung Segmentation on HRCT and Volumetric CT for Diffuse Interstitial Lung Disease Using Deep Convolutional Neural Networks. <i>Journal of Digital Imaging</i> , 2019, 32, 1019-1026.	2.9	79
31	Comparison of Shallow and Deep Learning Methods on Classifying the Regional Pattern of Diffuse Lung Disease. <i>Journal of Digital Imaging</i> , 2018, 31, 415-424.	2.9	78
32	Evaluation of computer-aided detection and dual energy software in detection of peripheral pulmonary embolism on dual-energy pulmonary CT angiography. <i>European Radiology</i> , 2011, 21, 54-62.	4.5	77
33	B-Cell Lymphoma of Bronchus-Associated Lymphoid Tissue (BALT): CT Features in 10 Patients. <i>Journal of Computer Assisted Tomography</i> , 2000, 24, 30-34.	0.9	76
34	Radiographic and CT Findings of Thoracic Complications after Pneumonectomy. <i>Radiographics</i> , 2006, 26, 1449-1468.	3.3	75
35	Improvement of fully automated airway segmentation on volumetric computed tomographic images using a 2.5 dimensional convolutional neural net. <i>Medical Image Analysis</i> , 2019, 51, 13-20.	11.6	75
36	Chronic Obstructive Pulmonary Disease: Lobe-based Visual Assessment of Volumetric CT by Using Standard Images—Comparison with Quantitative CT and Pulmonary Function Test in the COPD Gene Study. <i>Radiology</i> , 2013, 266, 626-635.	7.3	72

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37	Cardiac Perforation Caused by Acrylic Cement: A Rare Complication of Percutaneous Vertebroplasty. American Journal of Roentgenology, 2005, 185, 1245-1247.	2.2	71
38	Multi-task vision transformer using low-level chest X-ray feature corpus for COVID-19 diagnosis and severity quantification. Medical Image Analysis, 2022, 75, 102299.	11.6	69
39	Xenon ventilation CT using dual-source and dual-energy technique in children with bronchiolitis obliterans: correlation of xenon and CT density values with pulmonary function test results. Pediatric Radiology, 2010, 40, 1490-1497.	2.0	63
40	High-Resolution CT Scan Findings in Familial Interstitial Pneumonia Do Not Conform to Those of Idiopathic Interstitial Pneumonia. Chest, 2012, 142, 1577-1583.	0.8	63
41	Detection of hypervascular nodular hepatocellular carcinomas: value of triphasic helical CT compared with iodized-oil CT.. American Journal of Roentgenology, 1997, 168, 219-224.	2.2	61
42	Fully Automated Lung Lobe Segmentation in Volumetric Chest CT with 3D U-Net: Validation with Intra- and Extra-Datasets. Journal of Digital Imaging, 2020, 33, 221-230.	2.9	61
43	Deep learning-based detection system for multiclass lesions on chest radiographs: comparison with observer readings. European Radiology, 2020, 30, 1359-1368.	4.5	61
44	Texture-Based Automated Quantitative Assessment of Regional Patterns on Initial CT in Patients With Idiopathic Pulmonary Fibrosis: Relationship to Decline in Forced Vital Capacity. American Journal of Roentgenology, 2016, 207, 976-983.	2.2	59
45	Application of deep learning-based computer-aided detection system: detecting pneumothorax on chest radiograph after biopsy. European Radiology, 2019, 29, 5341-5348.	4.5	58
46	Quantitatively Assessed Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Patients With Chronic Obstructive Pulmonary Disease: Correlation of Perfusion Parameters With Pulmonary Function Test and Quantitative Computed Tomography. Investigative Radiology, 2008, 43, 403-410.	6.2	57
47	Dual-Energy CT in Patients Treated with Anti-Angiogenic Agents for Non-Small Cell Lung Cancer: New Method of Monitoring Tumor Response?. Korean Journal of Radiology, 2012, 13, 702.	3.4	57
48	Content-based Image Retrieval by Using Deep Learning for Interstitial Lung Disease Diagnosis with Chest CT. Radiology, 2022, 302, 187-197.	7.3	56
49	3-T MRI: Usefulness for Evaluating Primary Lung Cancer and Small Nodules in Lobes Not Containing Primary Tumors. American Journal of Roentgenology, 2007, 189, 386-392.	2.2	54
50	Computed tomography findings in invasive pulmonary aspergillosis in non-neutropenic transplant recipients and neutropenic patients, and their prognostic value. Journal of Infection, 2011, 63, 447-456.	3.3	53
51	Exogenous lipoid pneumonia: high-resolution CT findings. European Radiology, 1999, 9, 287-291.	4.5	52
52	Pulmonary vasculitis: the spectrum of radiological findings.. British Journal of Radiology, 2000, 73, 1224-1231.	2.2	49
53	Study Design and Outcomes of Korean Obstructive Lung Disease (KOLD) Cohort Study. Tuberculosis and Respiratory Diseases, 2014, 76, 169.	1.8	49
54	Filling Defect in a Pulmonary Arterial Stump on CT After Pneumonectomy: Radiologic and Clinical Significance. American Journal of Roentgenology, 2005, 185, 985-988.	2.2	48

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55	Xenon ventilation CT using a dual-source dual-energy technique: dynamic ventilation abnormality in a child with bronchial atresia. <i>Pediatric Radiology</i> , 2008, 38, 1113-1116.	2.0	48
56	Deep Learning Algorithm for Reducing CT Slice Thickness: Effect on Reproducibility of Radiomic Features in Lung Cancer. <i>Korean Journal of Radiology</i> , 2019, 20, 1431.	3.4	47
57	Artificial Intelligence in Health Care: Current Applications and Issues. <i>Journal of Korean Medical Science</i> , 2020, 35, e379.	2.5	46
58	Acute and Chronic Complications of Aortic Intramural Hematoma on Follow-up Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2007, 31, 435-440.	0.9	44
59	Quantitative assessment of change in regional disease patterns on serial HRCT of fibrotic interstitial pneumonia with texture-based automated quantification system. <i>European Radiology</i> , 2012, 23, 692-701.	4.5	44
60	A Perlin Noise-Based Augmentation Strategy for Deep Learning with Small Data Samples of HRCT Images. <i>Scientific Reports</i> , 2018, 8, 17687.	3.3	43
61	Radiological and clinical findings of pulmonary aspergillosis following solid organ transplant. <i>Clinical Radiology</i> , 2008, 63, 673-680.	1.1	42
62	Analysis of perfusion defects by causes other than acute pulmonary thromboembolism on contrast-enhanced dual-energy CT in consecutive 537 patients. <i>European Journal of Radiology</i> , 2012, 81, e647-e652.	2.6	42
63	Added Value of Deep Learning-based Detection System for Multiple Major Findings on Chest Radiographs: A Randomized Crossover Study. <i>Radiology</i> , 2021, 299, 450-459.	7.3	42
64	Detailed analysis of the density change on chest CT of COPD using non-rigid registration of inspiration/expiration CT scans. <i>European Radiology</i> , 2015, 25, 541-549.	4.5	40
65	Pulmonary Parenchymal Involvement of Low-Grade Lymphoproliferative Disorders. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 825-830.	0.9	38
66	Prediction of Postoperative Lung Function in Patients Undergoing Lung Resection. <i>Investigative Radiology</i> , 2013, 48, 622-627.	6.2	38
67	Volume Doubling Times of Lung Adenocarcinomas: Correlation with Predominant Histologic Subtypes and Prognosis. <i>Radiology</i> , 2020, 295, 703-712.	7.3	38
68	The Prognostic Value of Residual Volume/Total Lung Capacity in Patients with Chronic Obstructive Pulmonary Disease. <i>Journal of Korean Medical Science</i> , 2015, 30, 1459.	2.5	37
69	Development of an Automatic Classification System for Differentiation of Obstructive Lung Disease using HRCT. <i>Journal of Digital Imaging</i> , 2009, 22, 136-148.	2.9	36
70	CT findings of pulmonary non-tuberculous mycobacterial infection in non-AIDS immunocompromised patients: a case-controlled comparison with immunocompetent patients. <i>British Journal of Radiology</i> , 2013, 86, 20120209.	2.2	35
71	Exertional Desaturation as a Predictor of Rapid Lung Function Decline in COPD. <i>Respiration</i> , 2013, 86, 109-116.	2.6	35
72	MRI for solitary pulmonary nodule and mass assessment: Current state of the art. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1437-1458.	3.4	35

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73	Prediction of survival by texture-based automated quantitative assessment of regional disease patterns on CT in idiopathic pulmonary fibrosis. <i>European Radiology</i> , 2018, 28, 1293-1300.	4.5	35
74	A Pilot Trial on Pulmonary Emphysema Quantification and Perfusion Mapping in a Single-Step Using Contrast-Enhanced Dual-Energy Computed Tomography. <i>Investigative Radiology</i> , 2012, 47, 92-97.	6.2	34
75	Pulmonary Complication of Novel Influenza A (H1N1) Infection: Imaging Features in Two Patients. <i>Korean Journal of Radiology</i> , 2009, 10, 531.	3.4	33
76	The Value of CT for Disease Detection and Prognosis Determination in Combined Pulmonary Fibrosis and Emphysema (CPFE). <i>PLoS ONE</i> , 2014, 9, e107476.	2.5	33
77	Digital Chest Radiography with a Selenium-Based Flat-Panel Detector Versus a Storage Phosphor System. <i>American Journal of Roentgenology</i> , 2000, 175, 1013-1018.	2.2	32
78	Novel technique of aortic valvuloplasty. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 530-536.	1.4	32
79	Slope of Emphysema Index: An Objective Descriptor of Regional Heterogeneity of Emphysema and an Independent Determinant of Pulmonary Function. <i>American Journal of Roentgenology</i> , 2010, 194, W248-W255.	2.2	32
80	Assessment of Regional Xenon Ventilation, Perfusion, and Ventilation-Perfusion Mismatch Using Dual-Energy Computed Tomography in Chronic Obstructive Pulmonary Disease Patients. <i>Investigative Radiology</i> , 2016, 51, 306-315.	6.2	32
81	Squalene aspiration pneumonia in children: radiographic and CT findings as the first clue to diagnosis. <i>Pediatric Radiology</i> , 2005, 35, 619-623.	2.0	31
82	Feasibility of Automated Quantification of Regional Disease Patterns Depicted on High-Resolution Computed Tomography in Patients with Various Diffuse Lung Diseases. <i>Korean Journal of Radiology</i> , 2009, 10, 455.	3.4	31
83	Airway Measurement for Airway Remodeling Defined by Post-Bronchodilator FEV1/FVC in Asthma: Investigation Using Inspiration-Expiration Computed Tomography. <i>Allergy, Asthma and Immunology Research</i> , 2011, 3, 111.	2.9	31
84	Variation of the size of pulmonary venous ostia during the cardiac cycle: optimal reconstruction window at ECG-gated multi-detector row CT. <i>European Radiology</i> , 2005, 15, 1441-1445.	4.5	30
85	Semi-Automatic Measurement of the Airway Dimension by Computed Tomography Using the Full-Width-Half-Maximum Method: a Study on the Measurement Accuracy according to the CT Parameters and Size of the Airway. <i>Korean Journal of Radiology</i> , 2008, 9, 226.	3.4	30
86	Emphysematous phenotype is an independent predictor for frequent exacerbation of COPD. <i>International Journal of Tuberculosis and Lung Disease</i> , 2014, 18, 1407-1414.	1.2	30
87	CT Image Conversion among Different Reconstruction Kernels without a Sinogram by Using a Convolutional Neural Network. <i>Korean Journal of Radiology</i> , 2019, 20, 295.	3.4	30
88	Myocardial enhancement pattern in patients with acute myocardial infarction on two-phase contrast-enhanced ECG-gated multidetector-row computed tomography. <i>Clinical Radiology</i> , 2006, 61, 417-422.	1.1	29
89	Newly developed ulcer-like projection (ULP) in aortic intramural haematoma on follow-up CT: is it different from the ULP seen on the initial CT?. <i>Clinical Radiology</i> , 2008, 63, 201-206.	1.1	29
90	CT scanning-based phenotypes vary with ADRB2 polymorphisms in chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2009, 103, 98-103.	2.9	29

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91	Prognostic value of radiomic analysis of iodine overlay maps from dual-energy computed tomography in patients with resectable lung cancer. <i>European Radiology</i> , 2019, 29, 915-923.	4.5	29
92	Prediction of Pulmonary Function in Patients with Chronic Obstructive Pulmonary Disease: Correlation with Quantitative CT Parameters. <i>Korean Journal of Radiology</i> , 2019, 20, 683.	3.4	29
93	Use of Artificial Intelligence-Based Software as Medical Devices for Chest Radiography: A Position Paper from the Korean Society of Thoracic Radiology. <i>Korean Journal of Radiology</i> , 2021, 22, 1743.	3.4	29
94	Pulmonary Functional Imaging: Part 2—State-of-the-Art Clinical Applications and Opportunities for Improved Patient Care. <i>Radiology</i> , 2021, 299, 524-538.	7.3	29
95	Pulmonary Functional Imaging: Part 1—State-of-the-Art Technical and Physiologic Underpinnings. <i>Radiology</i> , 2021, 299, 508-523.	7.3	29
96	Pericardial rupture and cardiac herniation after blunt trauma: a case diagnosed using cardiac MRI. <i>British Journal of Radiology</i> , 2005, 78, 447-449.	2.2	28
97	Validation of a CT-guided intervention robot for biopsy and radiofrequency ablation: experimental study with an abdominal phantom. <i>Diagnostic and Interventional Radiology</i> , 2017, 23, 233-237.	1.5	28
98	Performance testing of several classifiers for differentiating obstructive lung diseases based on texture analysis at high-resolution computerized tomography (HRCT). <i>Computer Methods and Programs in Biomedicine</i> , 2009, 93, 206-215.	4.7	27
99	Perfusion- and pattern-based quantitative CT indexes using contrast-enhanced dual-energy computed tomography in diffuse interstitial lung disease: relationships with physiologic impairment and prediction of prognosis. <i>European Radiology</i> , 2016, 26, 1368-1377.	4.5	27
100	Differentiation of predominant subtypes of lung adenocarcinoma using a quantitative radiomics approach on CT. <i>European Radiology</i> , 2020, 30, 4883-4892.	4.5	27
101	Comparison of Usual Interstitial Pneumonia and Nonspecific Interstitial Pneumonia: Quantification of Disease Severity and Discrimination between Two Diseases on HRCT Using a Texture-Based Automated System. <i>Korean Journal of Radiology</i> , 2011, 12, 297.	3.4	25
102	Relationship of vitamin D status with lung function and exercise capacity in COPD. <i>Respirology</i> , 2015, 20, 782-789.	2.3	25
103	Doubling time of thymic epithelial tumours on CT: correlation with histological subtype. <i>European Radiology</i> , 2017, 27, 4030-4036.	4.5	25
104	Added value of prone CT in the assessment of honeycombing and classification of usual interstitial pneumonia pattern. <i>European Journal of Radiology</i> , 2017, 91, 66-70.	2.6	25
105	Mucous Gland Adenoma of the Bronchus: CT Findings in Two Patients. <i>Journal of Computer Assisted Tomography</i> , 1999, 23, 758-760.	0.9	25
106	Detection of Simulated Chest Lesions by Using Soft-Copy Reading: Comparison of an Amorphous Silicon Flat-Panel Detector System and a Storage-Phosphor System. <i>Radiology</i> , 2002, 224, 242-246.	7.3	24
107	Radiation Dose Reduction of Chest CT with Iterative Reconstruction in Image Space - Part I: Studies on Image Quality Using Dual Source CT. <i>Korean Journal of Radiology</i> , 2012, 13, 711.	3.4	24
108	Automatic reconstruction of the arterial and venous trees on volumetric chest CT. <i>Medical Physics</i> , 2013, 40, 071906.	3.0	24

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109	Effects of emphysema on physiological and prognostic characteristics of lung function in idiopathic pulmonary fibrosis. <i>Respirology</i> , 2019, 24, 55-62.	2.3	24
110	Development of a CT imaging phantom of anthropomorphic lung using fused deposition modeling 3D printing. <i>Medicine (United States)</i> , 2020, 99, e18617.	1.0	24
111	MR Imaging of Reperfused Myocardial Infarction: Comparison of Necrosis-Specific and Intravascular Contrast Agents in a Cat Model. <i>Radiology</i> , 2003, 226, 739-747.	7.3	23
112	Semi-Automatic Measurement of the Airway Dimension by Computed Tomography Using the Full-With-Half-Maximum Method: a Study of the Measurement Accuracy according to the Orientation of an Artificial Airway. <i>Korean Journal of Radiology</i> , 2008, 9, 236.	3.4	23
113	Low-Dose Chest Computed Tomography With Sinogram-Affirmed Iterative Reconstruction, Iterative Reconstruction in Image Space, and Filtered Back Projection. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 610-617.	0.9	23
114	Optimal threshold of subtraction method for quantification of air-trapping on coregistered CT in COPD patients. <i>European Radiology</i> , 2016, 26, 2184-2192.	4.5	23
115	Outcome prediction in resectable lung adenocarcinoma patients: value of CT radiomics. <i>European Radiology</i> , 2020, 30, 4952-4963.	4.5	23
116	The role of dual-energy computed tomography in the assessment of pulmonary function. <i>European Journal of Radiology</i> , 2017, 86, 320-334.	2.6	22
117	Assessment of regional emphysema, air-trapping and Xenon-ventilation using dual-energy computed tomography in chronic obstructive pulmonary disease patients. <i>European Radiology</i> , 2017, 27, 2818-2827.	4.5	22
118	Liquid-Crystal Display Monitors and Cathode-Ray Tube Monitors: A Comparison of Observer Performance in the Detection of Small Solitary Pulmonary Nodules. <i>Korean Journal of Radiology</i> , 2003, 4, 153.	3.4	21
119	Effects of High-Resolution CT of the Lung Using Partial Versus Full Reconstruction on Motion Artifacts and Image Noise. <i>American Journal of Roentgenology</i> , 2006, 187, 618-622.	2.2	21
120	Clear cell tumor of the lung.. <i>American Journal of Roentgenology</i> , 1996, 166, 730-731.	2.2	21
121	Incidental Cardiac and Pericardial Abnormalities on Chest CT. <i>Journal of Thoracic Imaging</i> , 2008, 23, 216-226.	1.5	20
122	Improved correlation between CT emphysema quantification and pulmonary function test by density correction of volumetric CT data based on air and aortic density. <i>European Journal of Radiology</i> , 2014, 83, 57-63.	2.6	20
123	Quantitative assessment of pulmonary vascular alterations in chronic obstructive lung disease: Associations with pulmonary function test and survival in the KOLD cohort. <i>European Journal of Radiology</i> , 2018, 108, 276-282.	2.6	20
124	Collateral Ventilation in a Canine Model with Bronchial Obstruction: Assessment with Xenon-enhanced Dual-Energy CT. <i>Radiology</i> , 2010, 255, 790-798.	7.3	19
125	Response patterns to bronchodilator and quantitative computed tomography in chronic obstructive pulmonary disease. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 12-18.	1.2	19
126	Severity of Systemic Calcified Atherosclerosis Is Associated With Airflow Limitation and Emphysema. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 743-749.	0.9	19

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127	A support vector machine classifier reduces interscanner variation in the HRCT classification of regional disease pattern in diffuse lung disease: Comparison to a Bayesian classifier. <i>Medical Physics</i> , 2013, 40, 051912.	3.0	19
128	Improvement in Ventilation-Perfusion Mismatch after Bronchoscopic Lung Volume Reduction: Quantitative Image Analysis. <i>Radiology</i> , 2017, 285, 250-260.	7.3	19
129	Primary Endobronchial Actinomyces Associated with Broncholithiasis. <i>Respiration</i> , 2003, 70, 110-113.	2.6	18
130	Short-term Reproducibility of Pulmonary Nodule and Mass Detection in Chest Radiographs: Comparison among Radiologists and Four Different Computer-Aided Detections with Convolutional Neural Net. <i>Scientific Reports</i> , 2019, 9, 18738.	3.3	18
131	Content-Based Image Retrieval of Chest CT with Convolutional Neural Network for Diffuse Interstitial Lung Disease: Performance Assessment in Three Major Idiopathic Interstitial Pneumonias. <i>Korean Journal of Radiology</i> , 2021, 22, 281.	3.4	18
132	Intratumoral Vascularity of Experimentally Induced VX2 Carcinoma. <i>Investigative Radiology</i> , 1998, 33, 39-44.	6.2	18
133	Development of New End-Effector for Proof-of-Concept of Fully Robotic Multichannel Biopsy. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2996-3008.	5.8	17
134	Diagnostic performance of CT-guided percutaneous transthoracic core needle biopsy using low tube voltage (100kVp): comparison with conventional tube voltage (120kVp). <i>Acta Radiologica</i> , 2018, 59, 425-433.	1.1	17
135	Development of a Computer-Aided Differential Diagnosis System to Distinguish Between Usual Interstitial Pneumonia and Non-specific Interstitial Pneumonia Using Texture- and Shape-Based Hierarchical Classifiers on HRCT Images. <i>Journal of Digital Imaging</i> , 2018, 31, 235-244.	2.9	17
136	MRI-based 3D-printed surgical guides for breast cancer patients who received neoadjuvant chemotherapy. <i>Scientific Reports</i> , 2019, 9, 11991.	3.3	17
137	Optimal matrix size of chest radiographs for computer-aided detection on lung nodule or mass with deep learning. <i>European Radiology</i> , 2020, 30, 4943-4951.	4.5	17
138	Tracheal morphology and collapse in COPD: Correlation with CT indices and pulmonary function test. <i>European Journal of Radiology</i> , 2011, 80, e531-e535.	2.6	16
139	Triage for suspected acute Pulmonary Embolism: Think before opening Pandora's Box. <i>European Journal of Radiology</i> , 2015, 84, 1202-1211.	2.6	16
140	Comparison of Clinico-Physiologic and CT Imaging Risk Factors for COPD Exacerbation. <i>Journal of Korean Medical Science</i> , 2011, 26, 1606.	2.5	15
141	Fast and efficient lung disease classification using hierarchical one-against-all support vector machine and cost-sensitive feature selection. <i>Computers in Biology and Medicine</i> , 2012, 42, 1157-1164.	7.0	15
142	Use of a Commercially Available Deep Learning Algorithm to Measure the Solid Portions of Lung Cancer Manifesting as Subsolid Lesions at CT: Comparisons with Radiologists and Invasive Component Size at Pathologic Examination. <i>Radiology</i> , 2021, 299, 202-210.	7.3	15
143	Early and Delayed Myocardial Enhancement in Myocardial Infarction Using Two-Phase Contrast-Enhanced Multidetector-Row CT. <i>Korean Journal of Radiology</i> , 2007, 8, 94.	3.4	14
144	Coronary Artery Anomalies: Classification and Electrocardiogram-Gated Multidetector Computed Tomographic Findings. <i>Seminars in Ultrasound, CT and MRI</i> , 2008, 29, 182-194.	1.5	14

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145	Securing safe and informative thoracic CT examinationsâ€”Progress of radiation dose reduction techniques. <i>European Journal of Radiology</i> , 2017, 86, 313-319.	2.6	14
146	Management of COPD: Is there a role for quantitative imaging?. <i>European Journal of Radiology</i> , 2017, 86, 335-342.	2.6	14
147	Deep radiomics-based survival prediction in patients with chronic obstructive pulmonary disease. <i>Scientific Reports</i> , 2021, 11, 15144.	3.3	14
148	Functional and Prognostic Implications of the Main Pulmonary Artery Diameter to Aorta Diameter Ratio from Chest Computed Tomography in Korean COPD Patients. <i>PLoS ONE</i> , 2016, 11, e0154584.	2.5	14
149	Benign Bronchopulmonary Tumors: Radiologic and Pathologic Findings. <i>Journal of Computer Assisted Tomography</i> , 2002, 26, 784-796.	0.9	13
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