

Eui Jin Hwang

List of Publications by Year in descending order

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59
papers

2,152
citations

304743

22
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243625

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docs citations

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times ranked

2746
citing authors

#	ARTICLE	IF	CITATIONS
1	Value of a deep learning-based algorithm for detecting Lung-RADS category 4 nodules on chest radiographs in a health checkup population: estimation of the sample size for a randomized controlled trial. <i>European Radiology</i> , 2022, 32, 213-222.	4.5	2
2	Deep Learning for Detecting Pneumothorax on Chest Radiographs after Needle Biopsy: Clinical Implementation. <i>Radiology</i> , 2022, 303, 433-441.	7.3	23
3	Artificial intelligence system for identification of false-negative interpretations in chest radiographs. <i>European Radiology</i> , 2022, 32, 4468-4478.	4.5	8
4	Development and validation of a deep learning algorithm detecting 10 common abnormalities on chest radiographs. <i>European Respiratory Journal</i> , 2021, 57, 2003061.	6.7	58
5	Prediction of visceral pleural invasion in lung cancer on CT: deep learning model achieves a radiologist-level performance with adaptive sensitivity and specificity to clinical needs. <i>European Radiology</i> , 2021, 31, 2866-2876.	4.5	19
6	Variability in interpretation of low-dose chest CT using computerized assessment in a nationwide lung cancer screening program: comparison of prospective reading at individual institutions and retrospective central reading. <i>European Radiology</i> , 2021, 31, 2845-2855.	4.5	9
7	Implementation of the cloud-based computerized interpretation system in a nationwide lung cancer screening with low-dose CT: comparison with the conventional reading system. <i>European Radiology</i> , 2021, 31, 475-485.	4.5	14
8	Deep learning-based automated detection algorithm for active pulmonary tuberculosis on chest radiographs: diagnostic performance in systematic screening of asymptomatic individuals. <i>European Radiology</i> , 2021, 31, 1069-1080.	4.5	29
9	2020 Clinical Practice Guideline for Percutaneous Transthoracic Needle Biopsy of Pulmonary Lesions: A Consensus Statement and Recommendations of the Korean Society of Thoracic Radiology. <i>Korean Journal of Radiology</i> , 2021, 22, 263.	3.4	31
10	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
11	Clinical Implications of Size of Cavities in Patients With Nontuberculous Mycobacterial Pulmonary Disease: A Single-Center Cohort Study. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab087.	0.9	8
12	Optimum diameter threshold for lung nodules at baseline lung cancer screening with low-dose chest CT: exploration of results from the Korean Lung Cancer Screening Project. <i>European Radiology</i> , 2021, 31, 7202-7212.	4.5	6
13	Automatic prediction of left cardiac chamber enlargement from chest radiographs using convolutional neural network. <i>European Radiology</i> , 2021, 31, 8130-8140.	4.5	3
14	COVID-19 pneumonia on chest X-rays: Performance of a deep learning-based computer-aided detection system. <i>PLoS ONE</i> , 2021, 16, e0252440.	2.5	22
15	Deep Learning for Detection of Pulmonary Metastasis on Chest Radiographs. <i>Radiology</i> , 2021, 301, 455-463.	7.3	19
16	Deep learning computer-aided detection system for pneumonia in febrile neutropenia patients: a diagnostic cohort study. <i>BMC Pulmonary Medicine</i> , 2021, 21, 406.	2.0	1
17	Applications of artificial intelligence in the thorax: a narrative review focusing on thoracic radiology. <i>Journal of Thoracic Disease</i> , 2021, 13, 6943-6962.	1.4	10
18	Utility of FDG PET/CT for Preoperative Staging of Non-Small Cell Lung Cancers Manifesting as Subsolid Nodules With a Solid Portion of 3 cm or Smaller. <i>American Journal of Roentgenology</i> , 2020, 214, 514-523.	2.2	12

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19	Performance of a Deep Learning Algorithm Compared with Radiologic Interpretation for Lung Cancer Detection on Chest Radiographs in a Health Screening Population. <i>Radiology</i> , 2020, 297, 687-696.	7.3	45
20	Automated identification of chest radiographs with referable abnormality with deep learning: need for recalibration. <i>European Radiology</i> , 2020, 30, 6902-6912.	4.5	9
21	Growth and Clinical Impact of 6-mm or Larger Subsolid Nodules after 5 Years of Stability at Chest CT. <i>Radiology</i> , 2020, 295, 448-455.	7.3	27
22	Deep learning algorithm for surveillance of pneumothorax after lung biopsy: a multicenter diagnostic cohort study. <i>European Radiology</i> , 2020, 30, 3660-3671.	4.5	32
23	Extension of Coronavirus Disease 2019 on Chest CT and Implications for Chest Radiographic Interpretation. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200107.	2.5	59
24	Clinical Implementation of Deep Learning in Thoracic Radiology: Potential Applications and Challenges. <i>Korean Journal of Radiology</i> , 2020, 21, 511.	3.4	48
25	Implementation of a Deep Learning-Based Computer-Aided Detection System for the Interpretation of Chest Radiographs in Patients Suspected for COVID-19. <i>Korean Journal of Radiology</i> , 2020, 21, 1150.	3.4	41
26	Undetected Lung Cancer at Posteroanterior Chest Radiography: Potential Role of a Deep Learning-based Detection Algorithm. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190222.	2.5	14
27	Deep Learning for Chest Radiograph Diagnosis in the Emergency Department. <i>Radiology</i> , 2019, 293, 573-580.	7.3	107
28	Quantitative Thoracic Magnetic Resonance Criteria for the Differentiation of Cysts from Solid Masses in the Anterior Mediastinum. <i>Korean Journal of Radiology</i> , 2019, 20, 854.	3.4	14
29	Development and Validation of a Deep Learning-based Automated Detection Algorithm for Major Thoracic Diseases on Chest Radiographs. <i>JAMA Network Open</i> , 2019, 2, e191095.	5.9	284
30	Persistent pulmonary subsolid nodules: How long should they be observed until clinically relevant growth occurs?. <i>Journal of Thoracic Disease</i> , 2019, 11, S1408-S1411.	1.4	3
31	Effect of CT Reconstruction Algorithm on the Diagnostic Performance of Radiomics Models: A Task-Based Approach for Pulmonary Subsolid Nodules. <i>American Journal of Roentgenology</i> , 2019, 212, 505-512.	2.2	19
32	Development and Validation of a Deep Learning-based Automatic Detection Algorithm for Active Pulmonary Tuberculosis on Chest Radiographs. <i>Clinical Infectious Diseases</i> , 2019, 69, 739-747.	5.8	150
33	Thoracic recurrence in patients with curatively-resected colorectal cancer: incidence, risk factors, and value of chest CT as a postoperative surveillance tool. <i>European Radiology</i> , 2019, 29, 4303-4314.	4.5	0
34	Development and Validation of Deep Learning-based Automatic Detection Algorithm for Malignant Pulmonary Nodules on Chest Radiographs. <i>Radiology</i> , 2019, 290, 218-228.	7.3	372
35	Cone beam computed tomography virtual navigation-guided transthoracic biopsy of small ($\leq 1\text{ cm}$) pulmonary nodules: impact of nodule visibility during real-time fluoroscopy. <i>British Journal of Radiology</i> , 2018, 91, 20170805.	2.2	9
36	Time-dependent analysis of incidence, risk factors and clinical significance of pneumothorax after percutaneous lung biopsy. <i>European Radiology</i> , 2018, 28, 1328-1337.	4.5	38

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37	Pulmonary subsolid nodules: value of semi-automatic measurement in diagnostic accuracy, diagnostic reproducibility and nodule classification agreement. <i>European Radiology</i> , 2018, 28, 2124-2133.	4.5	24
38	Risk factors for haemoptysis after percutaneous transthoracic needle biopsies in 4,172 cases: Focusing on the effects of enlarged main pulmonary artery diameter. <i>European Radiology</i> , 2018, 28, 1410-1419.	4.5	19
39	Measurement of Multiple Solid Portions in Part-Solid Nodules for T Categorization: Evaluation of Prognostic Implication. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1864-1872.	1.1	14
40	Open Bronchus Sign on CT: A Risk Factor for Hemoptysis after Percutaneous Transthoracic Biopsy. <i>Korean Journal of Radiology</i> , 2018, 19, 880.	3.4	7
41	Frequency, outcome, and risk factors of contrast media extravasation in 142,651 intravenous contrast-enhanced CT scans. <i>European Radiology</i> , 2018, 28, 5368-5375.	4.5	18
42	Validation of prediction models for risk stratification of incidentally detected pulmonary subsolid nodules: a retrospective cohort study in a Korean tertiary medical centre. <i>BMJ Open</i> , 2018, 8, e019996.	1.9	5
43	Persistent part-solid nodules with solid part of 5Âmm or smaller: Can the "follow-up and surgical resection after interval growth" policy have a negative effect on patient prognosis?. <i>European Radiology</i> , 2017, 27, 195-202.	4.5	18
44	Development and validation of a prediction model for measurement variability of lung nodule volumetry in patients with pulmonary metastases. <i>European Radiology</i> , 2017, 27, 3257-3265.	4.5	4
45	Predictive CT Features of Visceral Pleural Invasion by T1-Sized Peripheral Pulmonary Adenocarcinomas Manifesting as Subsolid Nodules. <i>American Journal of Roentgenology</i> , 2017, 209, 561-566.	2.2	38
46	Retrospective assessment of interobserver agreement and accuracy in classifications and measurements in subsolid nodules with solid components less than 8mm: which window setting is better?. <i>European Radiology</i> , 2017, 27, 1369-1376.	4.5	27
47	Relationship Between Ktrans and K1 with Simultaneous Versus Separate MR/PET in Rabbits with VX2 Tumors. <i>Anticancer Research</i> , 2017, 37, 1139-1148.	1.1	2
48	Impact of Reconstruction Algorithms on CT Radiomic Features of Pulmonary Tumors: Analysis of Intra- and Inter-Reader Variability and Inter-Reconstruction Algorithm Variability. <i>PLoS ONE</i> , 2016, 11, e0164924.	2.5	108
49	Microscopic Invasions, Prognoses, and Recurrence Patterns of Stage I Adenocarcinomas Manifesting as Part-Solid Ground-Glass Nodules. <i>Medicine (United States)</i> , 2016, 95, e3419.	1.0	5
50	Temporal Changes of Texture Features Extracted From Pulmonary Nodules on Dynamic Contrast-Enhanced Chest Computed Tomography. <i>Investigative Radiology</i> , 2016, 51, 569-574.	6.2	16
51	Digital Tomosynthesis for Evaluating Metastatic Lung Nodules: Nodule Visibility, Learning Curves, and Reading Times. <i>Korean Journal of Radiology</i> , 2015, 16, 430.	3.4	11
52	Usefulness of a Metal Artifact Reduction Algorithm for Orthopedic Implants in Abdominal CT: Phantom and Clinical Study Results. <i>American Journal of Roentgenology</i> , 2015, 204, 307-317.	2.2	47
53	Pulmonary adenocarcinomas appearing as part-solid ground-glass nodules: Is measuring solid component size a better prognostic indicator?. <i>European Radiology</i> , 2015, 25, 558-567.	4.5	75
54	Switching bipolar hepatic radiofrequency ablation using internally cooled wet electrodes: comparison with consecutive monopolar and switching monopolar modes. <i>British Journal of Radiology</i> , 2015, 88, 20140468.	2.2	26

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55	Monopolar Radiofrequency Ablation Using a Dual-Switching System and a Separable Clustered Electrode: Evaluation of the <i>In Vivo</i> Efficiency. Korean Journal of Radiology, 2014, 15, 235.	3.4	24
56	Ultra-low Peak Voltage CT Colonography: Effect of Iterative Reconstruction Algorithms on Performance of Radiologists Who Use Anthropomorphic Colonic Phantoms. Radiology, 2014, 273, 759-771.	7.3	16
57	Intravoxel Incoherent Motion Diffusion-Weighted Imaging of Pancreatic Neuroendocrine Tumors. Investigative Radiology, 2014, 49, 396-402.	6.2	48
58	Portable high-intensity focused ultrasound system with 3D electronic steering, real-time cavitation monitoring, and 3D image reconstruction algorithms: a preclinical study in pigs. Ultrasonography, 2014, 33, 191-199.	2.3	8
59	Early response evaluation for recurrent high grade gliomas treated with bevacizumab: a volumetric analysis using diffusion-weighted imaging. Journal of Neuro-Oncology, 2013, 112, 427-435.	2.9	18