David J Winkel

List of Publications by Year
in descending order

24	515	623734	677142
papers	citations	14 h-index	22 g-index

26	26	26	612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated detection of pulmonary embolism in CT pulmonary angiograms using an AI-powered algorithm. European Radiology, 2020, 30, 6545-6553.	4.5	70
2	Evaluation of an AI-Based Detection Software for Acute Findings in Abdominal Computed Tomography Scans. Investigative Radiology, 2019, 54, 55-59.	6.2	56
3	A Novel Deep Learning Based Computer-Aided Diagnosis System Improves the Accuracy and Efficiency of Radiologists in Reading Biparametric Magnetic Resonance Images of the Prostate. Investigative Radiology, 2021, 56, 605-613.	6.2	49
4	Comparison of image quality and radiation dose between split-filter dual-energy images and single-energy images in single-source abdominal CT. European Radiology, 2018, 28, 3405-3412.	4.5	43
5	Autonomous Detection and Classification of PI-RADS Lesions in an MRI Screening Population Incorporating Multicenter-Labeled Deep Learning and Biparametric Imaging: Proof of Concept. Diagnostics, 2020, 10, 951.	2.6	33
6	Validation of a fully automated liver segmentation algorithm using multi-scale deep reinforcement learning and comparison versus manual segmentation. European Journal of Radiology, 2020, 126, 108918.	2.6	31
7	Compressed Sensing Radial Sampling MRI of Prostate Perfusion: Utility for Detection of Prostate Cancer. Radiology, 2019, 290, 702-708.	7.3	27
8	Structured reporting of prostate magnetic resonance imaging has the potential to improve interdisciplinary communication. PLoS ONE, 2019, 14, e0212444.	2.5	26
9	Rapid and sustained control of itch and reduction in Th2 bias by dupilumab in a patient with SÃ©zary syndrome. Journal of the European Academy of Dermatology and Venereology, 2021, 35, 1331-1337.	2.4	26
10	Gamification of Electronic Learning in Radiology Education to Improve Diagnostic Confidence and Reduce Error Rates. American Journal of Roentgenology, 2020, 214, 618-623.	2.2	21
11	Detection and PI-RADS classification of focal lesions in prostate MRI: Performance comparison between a deep learning-based algorithm (DLA) and radiologists with various levels of experience. European Journal of Radiology, 2021, 142, 109894.	2.6	20
12	False Positive Reduction Using Multiscale Contextual Features for Prostate Cancer Detection in Multi-Parametric MRI Scans. , 2020, , .		19
13	Deep learning for vessel-specific coronary artery calcium scoring: validation on a multi-centre dataset. European Heart Journal Cardiovascular Imaging, 2022, 23, 846-854.	1.2	19
14	Predicting clinically significant prostate cancer from quantitative image features including compressed sensing radial MRI of prostate perfusion using machine learning: comparison with PI-RADS v2 assessment scores. Quantitative Imaging in Medicine and Surgery, 2020, 10, 808-823.	2.0	16
15	Prediction of Patient Management in COVID-19 Using Deep Learning-Based Fully Automated Extraction of Cardiothoracic CT Metrics and Laboratory Findings. Korean Journal of Radiology, 2021, 22, 994.	3.4	14
16	Evaluation of liver fibrosis and cirrhosis on the basis of quantitative T1 mapping: Are acute inflammation, age and liver volume confounding factors?. European Journal of Radiology, 2021, 141, 109789.	2.6	9
17	Revisiting DCE-MRI. Investigative Radiology, 2021, 56, 553-562.	6.2	7
18	Diagnostic accuracy and clinical implications of robotic assisted MRI-US fusion guided target saturation biopsy of the prostate. Scientific Reports, 2021, 11, 20250.	3.3	7

#	Article	IF	Citations
19	Novices in MRI-targeted prostate biopsy benefit from structured reporting of MRI findings. World Journal of Urology, 2020, 38, 1729-1734.	2.2	5
20	Building Large-Scale Quantitative Imaging Databases with Multi-Scale Deep Reinforcement Learning: Initial Experience with Whole-Body Organ Volumetric Analyses. Journal of Digital Imaging, 2021, 34, 124-133.	2.9	5
21	Gadoxetate Disodium versus Gadoterate Meglumine: Quantitative Respiratory and Hemodynamic Metrics by Using Compressed-Sensing MRI. Radiology, 2019, 293, 317-326.	7.3	4
22	High spatiotemporal resolution dynamic contrast-enhanced MRI improves the image-based discrimination of histopathology risk groups of peripheral zone prostate cancer: a supervised machine learning approach. European Radiology, 2020, 30, 4828-4837.	4.5	4
23	Acceleration techniques and their impact on arterial input function sampling: Non-accelerated versus view-sharing and compressed sensing sequences. European Journal of Radiology, 2018, 104, 8-13.	2.6	3
24	From cold-blooded reptiles to embryological remnants: Persistent myocardial sinusoids. Radiology Case Reports, 2022, 17, 521-524.	0.6	0