James P Earls

List of Publications by Year
in descending order

36 papers	2,931 citations	331670 21 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	2798 citing authors

#	Article	IF	Citations
1	SCCT guidelines for the interpretation and reporting of coronary CT angiography: A report of the Society of Cardiovascular Computed Tomography Guidelines Committee. Journal of Cardiovascular Computed Tomography, 2014, 8, 342-358.	1.3	755
2	Prospectively Gated Transverse Coronary CT Angiography versus Retrospectively Gated Helical Technique: Improved Image Quality and Reduced Radiation Dose. Radiology, 2008, 246, 742-753.	7.3	510
3	Adaptive Statistical Iterative Reconstruction: Assessment of Image Noise and Image Quality in Coronary CT Angiography. American Journal of Roentgenology, 2010, 195, 649-654.	2.2	324
4	Estimated Radiation Dose Reduction Using Adaptive Statistical Iterative Reconstruction in Coronary CT Angiography: The ERASIR Study. American Journal of Roentgenology, 2010, 195, 655-660.	2.2	286
5	Reduced Iodine Load at CT Pulmonary Angiography with Dual-Energy Monochromatic Imaging: Comparison with Standard CT Pulmonary Angiographyâ€"A Prospective Randomized Trial. Radiology, 2012, 262, 290-297.	7.3	205
6	Cardiac MRI: Recent progress and continued challenges. Journal of Magnetic Resonance Imaging, 2002, 16, 111-127.	3.4	100
7	CTâ€‹Evaluationâ€‹byâ€‹Artificialâ€‹Intelligenceâ€‹forâ€‹Atherosclerosis, Stenosis and Vascularâ€‹Morphologyâ€‹(CLARIFY):â€‹Aâ€‹Multi-center, international study. Journal of Cardiovascular Computed Tomography, 2021, 15, 470-476.	1.3	73
8	Coronary Artery Imaging with Single-Source Rapid Kilovolt Peakâ€"Switching Dual-Energy CT. Radiology, 2013, 268, 702-709.	7.3	68
9	Effect of Padding Duration on Radiation Dose and Image Interpretation in Prospectively ECG-Triggered Coronary CT Angiography. American Journal of Roentgenology, 2010, 194, 933-937.	2.2	63
10	Coronary CT Angiography of Patients With a Normal Body Mass Index Using 80 kVp Versus 100 kVp: A Prospective, Multicenter, Multivendor Randomized Trial. American Journal of Roentgenology, 2011, 197, W860-W867.	2.2	50
11	AI Evaluation of Stenosis on Coronary CTA, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2023, 16, 193-205.	5.3	46
12	How to use a prospective gated technique for cardiac CT. Journal of Cardiovascular Computed Tomography, 2009, 3, 45-51.	1.3	45
13	Quantitative assessment of atherosclerotic plaque, recent progress and current limitations. Journal of Cardiovascular Computed Tomography, 2022, 16, 124-137.	1.3	41
14	Effect of a Standardized Quality-Improvement Protocol on Radiation Dose in Coronary Computed Tomographic Angiography. American Journal of Cardiology, 2010, 106, 1663-1667.	1.6	29
15	Prospectively gated low-dose CCTA: 24Âmonths experience in more than 2,000 clinical cases. International Journal of Cardiovascular Imaging, 2009, 25, 177-187.	1.5	28
16	ACR Appropriateness CriteriaÂ® Acute Nonspecific Chest Painâ€"Low Probability of Coronary Artery Disease. Journal of the American College of Radiology, 2012, 9, 745-750.	1.8	28
17	Inhalational Anthrax after Bioterrorism Exposure: Spectrum of Imaging Findings in Two Surviving Patients. Radiology, 2002, 222, 305-312.	7.3	27
18	ACR Appropriateness Criteria Asymptomatic Patient at Risk for Coronary Artery Disease. Journal of the American College of Radiology, 2014, 11, 12-19.	1.8	26

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19	Point-of-care ultrasound leads to diagnostic shifts in patients with undifferentiated hypotension. American Journal of Emergency Medicine, 2017, 35, 1984.e3-1984.e7.	1.6	26
20	Cardiac Computed Tomography Technology and Dose-reduction Strategies. Radiologic Clinics of North America, 2010, 48, 657-674.	1.8	25
21	A Prospective Randomized Controlled Trial to Assess the Diagnostic Performance of Reduced Tube Voltage for Coronary CT Angiography. American Journal of Roentgenology, 2011, 196, 801-806.	2.2	25
22	Quantitative measurement of lipid rich plaque by coronary computed tomography angiography: A correlation of histology in sudden cardiac death. Atherosclerosis, 2018, 275, 426-433.	0.8	24
23	A prospective randomized trial comparing image quality, study interpretability, and radiation dose of narrow acquisition window with widened acquisition window protocols in prospectively ECG-triggered coronary computed tomography angiography. Journal of Cardiovascular Computed Tomography, 2013, 7, 18-24.	1.3	21
24	ACR Appropriateness Criteria® on Chest Pain, Suggestive of Acute Coronary Syndrome. Journal of the American College of Radiology, 2011, 8, 12-18.	1.8	20
25	ACR Appropriateness Criteria® Chronic Chest Pain—High Probability of Coronary Artery Disease. Journal of the American College of Radiology, 2011, 8, 679-686.	1.8	17
26	Coronary CTA plaque volume severity stages according to invasive coronary angiography and FFR. Journal of Cardiovascular Computed Tomography, 2022, 16, 415-422.	1.3	15
27	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis Using Invasive Angiography as Reference Standard. American Journal of Roentgenology, 2022, 219, 407-419.	2.2	14
28	ACR Appropriateness Criteria Chronic Chest Pain—Low to Intermediate Probability of Coronary Artery Disease. Journal of the American College of Radiology, 2013, 10, 329-334.	1.8	13
29	What atherosclerosis findings can CT see in sudden coronary death: Plaque rupture versus plaque erosion. Journal of Cardiovascular Computed Tomography, 2020, 14, 214-218.	1.3	10
30	Utility of <scp>point‐of‐care</scp> ultrasound in patients with suspected diverticulitis in the emergency department. Journal of Clinical Ultrasound, 2020, 48, 337-342.	0.8	5
31	Artificial Intelligence Advancements in the Cardiovascular Imaging of Coronary Atherosclerosis. Frontiers in Cardiovascular Medicine, 2022, 9, 839400.	2.4	5
32	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography. Clinical Imaging, 2022, 84, 149-158.	1.5	4
33	Correspondence: Submillisievert CT angiography for carotid arteries using wide array CT scanner and latest iterative reconstruction algorithm in comparison with previous generations technologies: Feasibility and diagnostic accuracy. Journal of Cardiovascular Computed Tomography, 2019, 13, 299-300.	1.3	2
34	Transforming Data Into Diagnosis. Journal of the American College of Cardiology, 2020, 76, 1686-1689.	2.8	1
35	Plaque erosion masquerading as spontaneous coronary artery dissection: A case of sudden coronary death. Journal of Cardiovascular Computed Tomography, 2022, 16, e11-e13.	1.3	0
36	Quantitative plaque analysis with A.I.-augmented CCTA in end-stage renal disease and complex CAD. Clinical Imaging, 2022, 89, 155-161.	1.5	0