

# Rebecca E Thornhill

## List of Publications by Year in descending order

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59  
papers

1,513  
citations

331670

21  
h-index

330143

37  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Can Quantitative CT Texture Analysis be Used to Differentiate Fat-poor Renal Angiomyolipoma from Renal Cell Carcinoma on Unenhanced CT Images?. <i>Radiology</i> , 2015, 276, 787-796.	7.3	231
2	Quantitative CT texture and shape analysis: Can it differentiate benign and malignant mediastinal lymph nodes in patients with primary lung cancer?. <i>European Radiology</i> , 2015, 25, 480-487.	4.5	137
3	A randomized trial of coenzyme Q <sub>10</sub> in mitochondrial disorders. <i>Muscle and Nerve</i> , 2010, 42, 739-748.	2.2	112
4	Diagnosis of Sarcomatoid Renal Cell Carcinoma With CT: Evaluation by Qualitative Imaging Features and Texture Analysis. <i>American Journal of Roentgenology</i> , 2015, 204, 1013-1023.	2.2	103
5	Role of quantitative computed tomography texture analysis in the differentiation of primary lung cancer and granulomatous nodules. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 6-15.	2.0	73
6	Whole-Tumor Quantitative Apparent Diffusion Coefficient Histogram and Texture Analysis to Predict Gleason Score Upgrading in Intermediate-Risk 3 + 4 = 7 Prostate Cancer. <i>American Journal of Roentgenology</i> , 2016, 206, 775-782.	2.2	70
7	Prediction of hemorrhagic transformation in acute ischemic stroke using texture analysis of postcontrast T1-weighted MR images. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 933-941.	3.4	51
8	Computed Tomographic Angiography and Cerebral Blood Volume Can Predict Final Infarct Volume and Outcome After Recanalization. <i>Stroke</i> , 2014, 45, 2683-2688.	2.0	40
9	Diagnostic Accuracy of Unenhanced CT Analysis to Differentiate Low-Grade From High-Grade Chromophobe Renal Cell Carcinoma. <i>American Journal of Roentgenology</i> , 2018, 210, 1079-1087.	2.2	40
10	Transition zone prostate cancer: Logistic regression and machine learning models of quantitative ADC, shape and texture features are highly accurate for diagnosis. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 940-950.	3.4	36
11	Left atrial vortex size and velocity distributions by 4D flow MRI in patients with paroxysmal atrial fibrillation: Associations with age and CHA <sub>2</sub> DS <sub>2</sub> -VASc risk score. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 871-884.	3.4	35
12	Relative Recirculation. <i>Investigative Radiology</i> , 2009, 44, 662-668.	6.2	34
13	Differentiation of Lipoma From Liposarcoma on MRI Using Texture and Shape Analysis. <i>Academic Radiology</i> , 2014, 21, 1185-1194.	2.5	31
14	The Assessment of Myocardial Viability: A Review of Current Diagnostic Imaging Approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 381-410.	3.3	30
15	Prospective comparative diagnostic accuracy evaluation of dynamic contrast-enhanced (DCE) vs. dynamic susceptibility contrast (DSC) MR perfusion in differentiating tumor recurrence from radiation necrosis in treated high-grade gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 573-582.	3.4	30
16	Evaluation of apparent diffusion coefficient and MR volumetry as independent associative factors for extra-prostatic extension (EPE) in prostatic carcinoma. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 726-736.	3.4	27
17	Determining the extent to which delayed-enhancement images reflect the partition-coefficient of Gd-DTPA in canine studies of reperfused and unperfused myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1069-1079.	3.0	26
18	Can CT and MR Shape and Textural Features Differentiate Benign Versus Malignant Pleural Lesions?. <i>Academic Radiology</i> , 2017, 24, 1277-1287.	2.5	26

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19	Quantitative permeability magnetic resonance imaging in acute ischemic stroke: how long do we need to scan?. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1216-1222.	1.8	25
20	Can Shape Analysis Differentiate Free-floating Internal Carotid Artery Thrombus from Atherosclerotic Plaque in Patients Evaluated with CTA for Stroke or Transient Ischemic Attack?. <i>Academic Radiology</i> , 2014, 21, 345-354.	2.5	24
21	Correlation of Tumor Immunohistochemistry with Dynamic Contrast-Enhanced and DSC-MRI Parameters in Patients with Gliomas. <i>American Journal of Neuroradiology</i> , 2016, 37, 2217-2223.	2.4	24
22	Measuring the Integrity of the Human Blood-Brain Barrier Using Magnetic Resonance Imaging. <i>Methods in Molecular Biology</i> , 2011, 686, 229-245.	0.9	24
23	Decision Support Tools, Systems, and Artificial Intelligence in Cardiac Imaging. <i>Canadian Journal of Cardiology</i> , 2018, 34, 827-838.	1.7	23
24	Examining a canine model of stunned myocardium with Gd-DTPA-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 864-871.	3.0	22
25	Feasibility of the single-bolus strategy for measuring the partition coefficient of Gd-DTPA in patients with myocardial infarction: Independence of image delay time and maturity of scar. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 780-789.	3.0	18
26	Utility of machine learning of apparent diffusion coefficient (ADC) and T2-weighted (T2W) radiomic features in PI-RADS version 2.1 category 3 lesions to predict prostate cancer diagnosis. <i>Abdominal Radiology</i> , 2021, 46, 5647-5658.	2.1	18
27	Diagnosis of transition zone prostate cancer using T2-weighted (T2W) MRI: comparison of subjective features and quantitative shape analysis. <i>European Radiology</i> , 2019, 29, 1133-1143.	4.5	16
28	Quantitative non-contrast measurements improve diagnosing dural venous sinus thrombosis. <i>Neuroradiology</i> , 2016, 58, 657-663.	2.2	14
29	Impact of an in-house emergency radiologist on report turnaround time. <i>Canadian Journal of Emergency Medicine</i> , 2015, 17, 21-26.	1.1	13
30	Effect of phase of enhancement on texture analysis in renal masses evaluated with non-contrast-enhanced, corticomedullary, and nephrographic phase-enhanced CT images. <i>European Radiology</i> , 2021, 31, 1676-1686.	4.5	13
31	Quantitative texture analysis on pre-treatment computed tomography predicts local recurrence in stage I non-small cell lung cancer following stereotactic radiation therapy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 614-622.	2.0	12
32	Prostate Imaging Reporting and Data System, Version 2, Assessment Categories and Pathologic Outcomes in Patients With Gleason Score 3 + 4 = 7 Prostate Cancer Diagnosed at Biopsy. <i>American Journal of Roentgenology</i> , 2017, 208, 1037-1044.	2.2	11
33	Shape Analysis of Peripheral Zone Observations on Prostate DWI: Correlation to Histopathology Outcomes After Radical Prostatectomy. <i>American Journal of Roentgenology</i> , 2020, 214, 1239-1247.	2.2	11
34	Quantitative texture features as objective metrics of enhancement heterogeneity in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P351.	3.3	10
35	Assessment of Renal Cell Carcinoma by Texture Analysis in Clinical Practice: A Six-Site, Six-Platform Analysis of Reliability. <i>American Journal of Roentgenology</i> , 2021, 217, 1132-1140.	2.2	10
36	Assessment of tumor angiogenesis: dynamic contrast-enhanced MRI with paramagnetic nanoparticles compared with Gd-DTPA in a rabbit VX2 tumor model. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 155-161.	0.8	9

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37	Effects of Riociguat on Right Ventricular Remodelling in Chronic Thromboembolic Pulmonary Hypertension Patients: A Prospective Study. <i>Canadian Journal of Cardiology</i> , 2018, 34, 1137-1144.	1.7	9
38	CT texture analysis of acetabular subchondral bone can discriminate between normal and cam-positive hips. <i>European Radiology</i> , 2020, 30, 4695-4704.	4.5	9
39	Importance of phase enhancement for machine learning classification of solid renal masses using texture analysis features at multi-phasic CT. <i>Abdominal Radiology</i> , 2020, 45, 2786-2796.	2.1	8
40	Differentiating Carotid Free-Floating Thrombus From Atheromatous Plaque Using Intraluminal Filling Defect Length on CTA. <i>Neurology</i> , 2021, 97, e785-e793.	1.1	8
41	Extracranial Venous abnormalities: A true pathological finding in patients with multiple sclerosis or an anatomical variant?. <i>European Radiology</i> , 2017, 27, 239-246.	4.5	7
42	T1 Fast Acquisition Relaxation Mapping (T1-FARM): Optimized Data Acquisition. <i>Magnetic Resonance Imaging</i> , 2000, 18, 129-138.	1.8	6
43	Rapid MRI of the breast in evaluating lesions discovered on screening. <i>Breast Journal</i> , 2018, 24, 986-991.	1.0	6
44	Impact of clinical history on choice of abdominal/pelvic CT protocol in the Emergency Department. <i>PLoS ONE</i> , 2018, 13, e0201694.	2.5	6
45	Preoperative Determination of Isocitrate Dehydrogenase Mutation in Gliomas Using Spectral Editing MRS : A Prospective Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 416-426.	3.4	6
46	Left atrial imaging and registration of fibrosis with conduction voltages using LGE-MRI and electroanatomical mapping. <i>Computers in Biology and Medicine</i> , 2019, 111, 103341.	7.0	5
47	Comparison and Accuracy of Carotid Plaque Analysis Between Two- and Three-Dimensional Ultrasound Imaging. <i>Journal of Diagnostic Medical Sonography</i> , 2014, 30, 123-130.	0.3	2
48	Vulnerable Carotid Artery Plaque Evaluation: Detection Agreement between Advanced Ultrasound, Computed Tomography, and Magnetic Resonance Imaging: A Phantom Study. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2015, 46, 90-101.	0.3	2
49	How Well Are We Respecting Patient Privacy in Medical Imaging? Lessons Learnt from a Departmental Audit. <i>Canadian Association of Radiologists Journal</i> , 2016, 67, 339-344.	2.0	2
50	Bi-atrial fibrosis detected using three-dimensional late gadolinium enhancement magnetic resonance imaging in a patient with cardiac sarcoidosis. <i>Oxford Medical Case Reports</i> , 2018, 2018, omy016.	0.4	2
51	Diagnostic Accuracy of Centrally Restricted Diffusion Sign in Cerebral Metastatic Disease: Differentiating Radiation Necrosis from Tumor Recurrence. <i>Canadian Association of Radiologists Journal</i> , 2023, 74, 100-109.	2.0	2
52	Externalization of Tunneled Hemodialysis Catheter in Patients with Tunnel or Exit-Site Infections and Limited Access Options. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 561-566.	0.5	1
53	Clinical Correlation of Early Atelectasis after Bilateral Internal Thoracic Artery Harvest for Coronary Artery Bypass Grafting. <i>Heart Lung and Circulation</i> , 2016, 25, 620-625.	0.4	1
54	Hypoattenuation on CTA images with large vessel occlusion: timing affects conspicuity. <i>Neuroradiology</i> , 2017, 59, 471-475.	2.2	1

#	ARTICLE	IF	CITATIONS
55	Assessment of left atrial fibrosis progression in canines following rapid ventricular pacing using 3D late gadolinium enhanced CMR images. PLoS ONE, 2022, 17, e0269592.	2.5	1
56	Advanced Ultrasound Evaluation of Vulnerable Carotid Artery Plaque: Can a Combined Two-dimensional and Three-dimensional Plaque Imaging Analysis Identify Significant Plaque Characteristics Responsible for Strokes? A Case Series Study. Journal of Medical Imaging and Radiation Sciences, 2014, 45, 440-447.	0.3	0
57	Late Gadolinium Enhancement Imaging. , 2015, , 211-226.		0
58	Relationship between expansion of the myocardial interstitial space and ventricular performance in patients with pulmonary hypertension. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P291.	3.3	0
59	Relationship between MRI First pass Perfusion Parameters and Biventricular Performance in Pulmonary Hypertension. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P292.	3.3	0