

# Rebecca E Thornhill

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

1,294  
citations

20  
h-index

35  
g-index

60  
ext. papers

1,541  
ext. citations

4.6  
avg, IF

4.4  
L-index

#	Paper	IF	Citations
57	Can Quantitative CT Texture Analysis be Used to Differentiate Fat-poor Renal Angiomyolipoma from Renal Cell Carcinoma on Unenhanced CT Images?. <i>Radiology</i> , <b>2015</b> , 276, 787-96	20.5	187
56	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> , <b>2015</b> , 25, 480-7	8	108
55	A randomized trial of coenzyme Q10 in mitochondrial disorders. <i>Muscle and Nerve</i> , <b>2010</b> , 42, 739-48	3.4	97
54	Relationship between expansion of the myocardial interstitial space and ventricular performance in patients with pulmonary hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
53	Relationship between MRI First pass Perfusion Parameters and Biventricular Performance in Pulmonary Hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
52	Diagnosis of Sarcomatoid Renal Cell Carcinoma With CT: Evaluation by Qualitative Imaging Features and Texture Analysis. <i>American Journal of Roentgenology</i> , <b>2015</b> , 204, 1013-23	5.4	77
51	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> , <b>2016</b> , 206, 775-82	5.4	61
50	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> , <b>2016</b> , 6, 6-15	3.6	57
49	Computed tomographic angiography and cerebral blood volume can predict final infarct volume and outcome after recanalization. <i>Stroke</i> , <b>2014</b> , 45, 2683-8	6.7	34
48	Diagnostic Accuracy of Unenhanced CT Analysis to Differentiate Low-Grade From High-Grade Chromophobe Renal Cell Carcinoma. <i>American Journal of Roentgenology</i> , <b>2018</b> , 210, 1079-1087	5.4	32
47	Relative recirculation: a fast, model-free surrogate for the measurement of blood-brain barrier permeability and the prediction of hemorrhagic transformation in acute ischemic stroke. <i>Investigative Radiology</i> , <b>2009</b> , 44, 662-8	10.1	30
46	Prediction of hemorrhagic transformation in acute ischemic stroke using texture analysis of postcontrast T1-weighted MR images. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 933-41	5.6	29
45	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> , <b>2019</b> , 50, 940-950	5.6	24
44	The assessment of myocardial viability: a review of current diagnostic imaging approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2002</b> , 4, 381-410	6.9	24
43	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> , <b>2016</b> , 43, 726-36	5.6	23
42	Differentiation of lipoma from liposarcoma on MRI using texture and shape analysis. <i>Academic Radiology</i> , <b>2014</b> , 21, 1185-94	4.3	22
41	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> , <b>2004</b> , 52, 1069-79	4.4	22

40	Quantitative permeability magnetic resonance imaging in acute ischemic stroke: how long do we need to scan?. <i>Magnetic Resonance Imaging</i> , <b>2009</b> , 27, 1216-22	3.3	21
39	Measuring the integrity of the human blood-brain barrier using magnetic resonance imaging. <i>Methods in Molecular Biology</i> , <b>2011</b> , 686, 229-45	1.4	21
38	Left atrial vortex size and velocity distributions by 4D flow MRI in patients with paroxysmal atrial fibrillation: Associations with age and CHA DS -VASc risk score. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 871-884	5.6	21
37	Examining a canine model of stunned myocardium with Gd-DTPA-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 864-71	4.4	20
36	Can CT and MR Shape and Textural Features Differentiate Benign Versus Malignant Pleural Lesions?. <i>Academic Radiology</i> , <b>2017</b> , 24, 1277-1287	4.3	18
35	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> , <b>2014</b> , 21, 345-54	4.3	18
34	Correlation of Tumor Immunohistochemistry with Dynamic Contrast-Enhanced and DSC-MRI Parameters in Patients with Gliomas. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 2217-2223	4.4	17
33	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> , <b>2006</b> , 55, 780-9	4.4	17
32	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> , <b>2019</b> , 50, 573-582	5.6	16
31	Decision Support Tools, Systems, and Artificial Intelligence in Cardiac Imaging. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 827-838	3.8	14
30	Quantitative non-contrast measurements improve diagnosing dural venous sinus thrombosis. <i>Neuroradiology</i> , <b>2016</b> , 58, 657-63	3.2	13
29	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> , <b>2017</b> , 208, 1037-1044	5.4	11
28	Impact of an in-house emergency radiologist on report turnaround time. <i>Canadian Journal of Emergency Medicine</i> , <b>2015</b> , 17, 21-6	0.6	11
27	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> , <b>2017</b> , 7, 614-622	3.6	9
26	Assessment of tumor angiogenesis: dynamic contrast-enhanced MRI with paramagnetic nanoparticles compared with Gd-DTPA in a rabbit Vx-2 tumor model. <i>Contrast Media and Molecular Imaging</i> , <b>2010</b> , 5, 155-61	3.2	9
25	Diagnosis of transition zone prostate cancer using T2-weighted (T2W) MRI: comparison of subjective features and quantitative shape analysis. <i>European Radiology</i> , <b>2019</b> , 29, 1133-1143	8	8
24	Quantitative texture features as objective metrics of enhancement heterogeneity in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2014</b> , 16,	6.9	8
23	Shape Analysis of Peripheral Zone Observations on Prostate DWI: Correlation to Histopathology Outcomes After Radical Prostatectomy. <i>American Journal of Roentgenology</i> , <b>2020</b> , 214, 1239-1247	5.4	7

22	T(1) fast acquisition relaxation mapping (T(1)-FARM): optimized data acquisition. <i>Magnetic Resonance Imaging</i> , <b>2000</b> , 18, 129-38	3.3	6
21	Importance of phase enhancement for machine learning classification of solid renal masses using texture analysis features at multi-phasic CT. <i>Abdominal Radiology</i> , <b>2020</b> , 45, 2786-2796	3	5
20	CT texture analysis of acetabular subchondral bone can discriminate between normal and cam-positive hips. <i>European Radiology</i> , <b>2020</b> , 30, 4695-4704	8	5
19	Rapid MRI of the breast in evaluating lesions discovered on screening. <i>Breast Journal</i> , <b>2018</b> , 24, 986-991	1.2	5
18	Impact of clinical history on choice of abdominal/pelvic CT protocol in the Emergency Department. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201694	3.7	5
17	Effects of Riociguat on Right Ventricular Remodelling in Chronic Thromboembolic Pulmonary Hypertension Patients: A Prospective Study. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 1137-1144	3.8	5
16	Extracranial Venous abnormalities: A true pathological finding in patients with multiple sclerosis or an anatomical variant?. <i>European Radiology</i> , <b>2017</b> , 27, 239-246	8	4
15	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> , <b>2021</b> , 46, 5647-5658	3	4
14	Preoperative Determination of Isocitrate Dehydrogenase Mutation in Gliomas Using Spectral Editing MRS: A Prospective Study. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 416-426	5.6	3
13	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> , <b>2021</b> , 31, 1676-1686	8	2
12	Hypoattenuation on CTA images with large vessel occlusion: timing affects conspicuity. <i>Neuroradiology</i> , <b>2017</b> , 59, 471-475	3.2	1
11	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> , <b>2015</b> , 46, 90-101	1.4	1
10	Clinical Correlation of Early Atelectasis after Bilateral Internal Thoracic Artery Harvest for Coronary Artery Bypass Grafting. <i>Heart Lung and Circulation</i> , <b>2016</b> , 25, 620-5	1.8	1
9	Left atrial imaging and registration of fibrosis with conduction voltages using LGE-MRI and electroanatomical mapping. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 111, 103341	7	1
8	Comparison and Accuracy of Carotid Plaque Analysis Between Two- and Three-Dimensional Ultrasound Imaging. <i>Journal of Diagnostic Medical Sonography</i> , <b>2014</b> , 30, 123-130	0.4	1
7	Differentiating Carotid Free-Floating Thrombus From Atheromatous Plaque Using Intraluminal Filling Defect Length on CTA: A Validation Study. <i>Neurology</i> , <b>2021</b> , 97, e785-e793	6.5	1
6	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> , <b>2018</b> , 2018, omy016	0.6	1
5	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> , <b>2021</b> , 217, 1132-1140	5.4	1

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| 4 | 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> , <b>2014</b> , 25, 561-6                                                                                                                 | 2.4 |
| 3 | 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. <i>Journal of Medical Imaging and Radiation Sciences</i> , <b>2014</b> , 45, 440-447 | 1.4 |
| 2 | Late Gadolinium Enhancement Imaging <b>2015</b> , 211-226                                                                                                                                                                                                                                                                       |     |
| 1 | How Well Are We Respecting Patient Privacy in Medical Imaging? Lessons Learnt From a Departmental Audit. <i>Canadian Association of Radiologists Journal</i> , <b>2016</b> , 67, 339-344                                                                                                                                        | 3.9 |