

# Timothy J Ziemlewicz

## List of Publications by Citations

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80  
papers

1,781  
citations

25  
h-index

40  
g-index

102  
ext. papers

2,294  
ext. citations

3.9  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
80	Percutaneous tumor ablation tools: microwave, radiofrequency, or cryoablation--what should you use and why?. <i>Radiographics</i> , <b>2014</b> , 34, 1344-62	5.4	202
79	Neural correlates of telling lies: a functional magnetic resonance imaging study at 4 Tesla. <i>Academic Radiology</i> , <b>2005</b> , 12, 164-72	4.3	133
78	Opportunistic screening for osteoporosis using the sagittal reconstruction from routine abdominal CT for combined assessment of vertebral fractures and density. <i>Osteoporosis International</i> , <b>2016</b> , 27, 1131-1136	5.3	83
77	Opportunistic Osteoporosis Screening at Routine Abdominal and Thoracic CT: Normative L1 Trabecular Attenuation Values in More than 20 000 Adults. <i>Radiology</i> , <b>2019</b> , 291, 360-367	20.5	71
76	Patient and tumor characteristics can predict nondiagnostic renal mass biopsy findings. <i>Journal of Urology</i> , <b>2015</b> , 193, 1899-904	2.5	65
75	Microwave ablation of hepatic malignancy. <i>Seminars in Interventional Radiology</i> , <b>2013</b> , 30, 56-66	1.6	60
74	Microwave versus Radiofrequency Ablation Treatment for Hepatocellular Carcinoma: A Comparison of Efficacy at a Single Center. <i>Journal of Vascular and Interventional Radiology</i> , <b>2016</b> , 27, 631-8	2.4	59
73	Liver Ablation: Best Practice. <i>Radiologic Clinics of North America</i> , <b>2015</b> , 53, 933-71	2.3	54
72	Effect of Tumor Complexity and Technique on Efficacy and Complications after Percutaneous Microwave Ablation of Stage T1a Renal Cell Carcinoma: A Single-Center, Retrospective Study. <i>Radiology</i> , <b>2017</b> , 284, 272-280	20.5	53
71	High-powered microwave ablation of t1a renal cell carcinoma: safety and initial clinical evaluation. <i>Journal of Endourology</i> , <b>2014</b> , 28, 1046-52	2.7	53
70	Future Osteoporotic Fracture Risk Related to Lumbar Vertebral Trabecular Attenuation Measured at Routine Body CT. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 860-867	6.3	48
69	Preoperative Pulmonary Nodule Localization: A Comparison of Methylene Blue and Hookwire Techniques. <i>American Journal of Roentgenology</i> , <b>2016</b> , 207, 1334-1339	5.4	47
68	Percutaneous microwave ablation of hepatocellular carcinoma with a gas-cooled system: initial clinical results with 107 tumors. <i>Journal of Vascular and Interventional Radiology</i> , <b>2015</b> , 26, 62-8	2.4	46
67	Microwave Ablation: Comparison of Simultaneous and Sequential Activation of Multiple Antennas in Liver Model Systems. <i>Radiology</i> , <b>2016</b> , 278, 95-103	20.5	43
66	Liver MRI in the hepatocyte phase with gadolinium-EOB-DTPA: does increasing the flip angle improve conspicuity and detection rate of hypointense lesions?. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 35, 611-6	5.6	43
65	Prevalence of Vertebral Compression Fractures on Routine CT Scans According to L1 Trabecular Attenuation: Determining Relevant Thresholds for Opportunistic Osteoporosis Screening. <i>American Journal of Roentgenology</i> , <b>2017</b> , 209, 491-496	5.4	38
64	Opportunistic Quantitative CT Bone Mineral Density Measurement at the Proximal Femur Using Routine Contrast-Enhanced Scans: Direct Comparison With DXA in 355 Adults. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 1835-1840	6.3	34

63	Diagnostic Accuracy of MRI Versus CT for the Evaluation of Acute Appendicitis in Children and Young Adults. <i>American Journal of Roentgenology</i> , <b>2017</b> , 209, 911-919	5.4	34
62	Multi-Quadrant Biopsy Technique Improves Diagnostic Ability in Large Heterogeneous Renal Masses. <i>Journal of Urology</i> , <b>2015</b> , 194, 886-91	2.5	33
61	Microwave ablation of giant hepatic cavernous hemangiomas. <i>CardioVascular and Interventional Radiology</i> , <b>2014</b> , 37, 1299-305	2.7	32
60	Opportunistic Osteoporosis Screening: Addition of Quantitative CT Bone Mineral Density Evaluation to CT Colonography. <i>Journal of the American College of Radiology</i> , <b>2015</b> , 12, 1036-41	3.5	32
59	Hepatosplenic volumetric assessment at MDCT for staging liver fibrosis. <i>European Radiology</i> , <b>2017</b> , 27, 3060-3068	8	31
58	Microwave ablation of malignant hepatic tumours: intraperitoneal fluid instillation prevents collateral damage and allows more aggressive case selection. <i>International Journal of Hyperthermia</i> , <b>2014</b> , 30, 299-305	3.7	29
57	Robotically Assisted Sonic Therapy as a Noninvasive Nonthermal Ablation Modality: Proof of Concept in a Porcine Liver Model. <i>Radiology</i> , <b>2018</b> , 287, 485-493	20.5	28
56	Microwave ablation of hepatic tumors abutting the diaphragm is safe and effective. <i>American Journal of Roentgenology</i> , <b>2015</b> , 204, 197-203	5.4	27
55	The Liver Segmental Volume Ratio for Noninvasive Detection of Cirrhosis: Comparison With Established Linear and Volumetric Measures. <i>Journal of Computer Assisted Tomography</i> , <b>2016</b> , 40, 478-84 <sup>2.2</sup>	2.2	25
54	Renal mass biopsy and thermal ablation: should biopsy be performed before or during the ablation procedure?. <i>Abdominal Radiology</i> , <b>2017</b> , 42, 1773-1780	3	23
53	Direct Comparison of Unenhanced and Contrast-Enhanced CT for Opportunistic Proximal Femur Bone Mineral Density Measurement: Implications for Osteoporosis Screening. <i>American Journal of Roentgenology</i> , <b>2016</b> , 206, 694-8	5.4	23
52	Microwave Ablation for the Treatment of Hepatic Adenomas. <i>Journal of Vascular and Interventional Radiology</i> , <b>2016</b> , 27, 244-9	2.4	22
51	Prospective Comparison of the Diagnostic Accuracy of MR Imaging versus CT for Acute Appendicitis. <i>Radiology</i> , <b>2018</b> , 288, 467-475	20.5	21
50	Modeling tissue-selective cavitation damage. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 225001	3.8	19
49	Combination transarterial chemoembolization and microwave ablation improves local tumor control for 3- to 5-cm hepatocellular carcinoma when compared with transarterial chemoembolization alone. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 2497-2504	3	19
48	Safety and Efficacy of Percutaneous Microwave Hepatic Ablation Near the Heart. <i>Journal of Vascular and Interventional Radiology</i> , <b>2017</b> , 28, 490-497	2.4	18
47	Creation of short microwave ablation zones: in vivo characterization of single and paired modified triaxial antennas. <i>Journal of Vascular and Interventional Radiology</i> , <b>2014</b> , 25, 1633-40	2.4	17
46	Effectiveness of a three-dimensional dual gradient echo two-point Dixon technique for the characterization of adrenal lesions at 3 Tesla. <i>European Radiology</i> , <b>2012</b> , 22, 259-68	8	15

45	Hepatic Tumor Ablation. <i>Surgical Clinics of North America</i> , <b>2016</b> , 96, 315-39	4	14
44	Risk Factors for Complications and Nondiagnostic Results following 1,155 Consecutive Percutaneous Core Renal Mass Biopsies. <i>Journal of Urology</i> , <b>2019</b> , 201, 1080-1087	2.5	13
43	Post-Procedure Evaluation of Microwave Ablations of Hepatocellular Carcinomas Using Electrode Displacement Elastography. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 2893-2902	3.5	13
42	Percutaneous Microwave Ablation of Renal Angiomyolipomas. <i>CardioVascular and Interventional Radiology</i> , <b>2016</b> , 39, 433-40	2.7	12
41	Tumor location does not impact oncologic outcomes for percutaneous microwave ablation of clinical T1a renal cell carcinoma. <i>European Radiology</i> , <b>2019</b> , 29, 6319-6329	8	12
40	Robotically Assisted Sonic Therapy (RAST) for Noninvasive Hepatic Ablation in a Porcine Model: Mitigation of Body Wall Damage with a Modified Pulse Sequence. <i>CardioVascular and Interventional Radiology</i> , <b>2019</b> , 42, 1016-1023	2.7	10
39	Evaluation of a thermoprotective gel for hydrodissection during percutaneous microwave ablation: in vivo results. <i>CardioVascular and Interventional Radiology</i> , <b>2015</b> , 38, 722-30	2.7	10
38	Monitoring microwave ablation for liver tumors with electrode displacement strain imaging <b>2014</b> ,		10
37	Comparative Analysis of Surgery, Thermal Ablation, and Active Surveillance for Renal Oncocytic Neoplasms. <i>Urology</i> , <b>2018</b> , 112, 92-97	1.6	9
36	Combined gadoxetic acid and gadofosveset enhanced liver MRI for detection and characterization of liver metastases. <i>European Radiology</i> , <b>2017</b> , 27, 32-40	8	8
35	Comparing Outcomes for Patients with Clinical T1b Renal Cell Carcinoma Treated With Either Percutaneous Microwave Ablation or Surgery. <i>Urology</i> , <b>2020</b> , 135, 88-94	1.6	8
34	Delineation of Post-Procedure Ablation Regions with Electrode Displacement Elastography with a Comparison to Acoustic Radiation Force Impulse Imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 1953-1962	3.5	7
33	Robotically-Assisted Sonic Therapy for Renal Ablation in a Live Porcine Model: Initial Preclinical Results. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 1293-1302	2.4	7
32	Comparison of Displacement Tracking Algorithms for in Vivo Electrode Displacement Elastography. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 218-232	3.5	7
31	Radiofrequency and microwave ablation in a porcine liver model: non-contrast CT and ultrasound radiologic-pathologic correlation. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 799-807	3.7	6
30	Computer-Aided Detection of Colorectal Polyps at CT Colonography: Prospective Clinical Performance and Third-Party Reimbursement. <i>American Journal of Roentgenology</i> , <b>2017</b> , 208, 1244-1248 <sup>5.4</sup>		5
29	Development of a Risk-stratified Approach for Follow-up Imaging After Percutaneous Thermal Ablation of Sporadic Stage One Renal Cell Carcinoma. <i>Urology</i> , <b>2019</b> , 134, 148-153	1.6	5
28	Two-dimensional ultrasound-computed tomography image registration for monitoring percutaneous hepatic intervention. <i>Medical Physics</i> , <b>2019</b> , 46, 2600-2609	4.4	5

27	Percutaneous microwave ablation for local control of metastatic renal cell carcinoma. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 2446-2454	3	5
26	Metastatic Tumor Burden Does Not Predict Overall Survival Following Cytoreductive Nephrectomy for Renal Cell Carcinoma: a Novel 3-Dimensional Volumetric Analysis. <i>Urology</i> , <b>2017</b> , 100, 139-144	1.6	5
25	Microwave ablation for colorectal cancer metastasis to the liver: a single-center retrospective analysis. <i>Journal of Gastrointestinal Oncology</i> , <b>2021</b> , 12, 1454-1469	2.8	4
24	Liver Histotripsy Mediated Abscopal Effect-Case Report. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 3001-3005	3.2	4
23	Prospective evaluation of MRI compared with CT for the etiology of abdominal pain in emergency department patients with concern for appendicitis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1651-1658	5.6	3
22	Microwave Ablation of Adrenal Tumors in Patients With Continuous Intra-Arterial Blood Pressure Monitoring Without Prior Alpha-Adrenergic Blockade: Safety and Efficacy. <i>CardioVascular and Interventional Radiology</i> , <b>2020</b> , 43, 1384-1391	2.7	3
21	Percutaneous Microwave Tumor Ablation Is Safe in Patients with Cardiovascular Implantable Electronic Devices: A Single-Institutional Retrospective Review. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 396-400	2.4	2
20	Residents' Perception of a novel end-of-rotation evaluation method. <i>Academic Radiology</i> , <b>2013</b> , 20, 312-313	2.3	2
19	Histotripsy Ablations in a Porcine Liver Model: Feasibility of Respiratory Motion Compensation by Alteration of the Ablation Zone Prescription Shape. <i>CardioVascular and Interventional Radiology</i> , <b>2020</b> , 43, 1695-1701	2.7	2
18	Polycystic Liver Disease in a Patient With Metastatic Renal Cell Carcinoma: A Case Report. <i>Anticancer Research</i> , <b>2020</b> , 40, 1527-1534	2.3	1
17	MP44-16 PREDICTORS OF NON-DIAGNOSTIC RENAL MASS BIOPSY. <i>Journal of Urology</i> , <b>2015</b> , 193,	2.5	1
16	Magnetic resonance imaging versus computed tomography and ultrasound for the diagnosis of female pelvic pathology. <i>Emergency Radiology</i> , <b>2021</b> , 28, 789-796	3	1
15	Diagnostic and procedural intraoperative ultrasound: technique, tips and tricks for optimizing results. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20201406	3.4	1
14	Noninvasive thyroid histotripsy treatment: proof of concept study in a porcine model. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 798-804	3.7	1
13	Differential Imaging of Liver Tumors before and after Microwave Ablation with Electrode Displacement Elastography. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 2138-2156	3.5	1
12	Long-Term Outcomes and Prognostic Factors in Kidney Transplant Recipients with Polycystic Kidney Disease.. <i>Kidney360</i> , <b>2021</b> , 2, 312-324	1.8	0
11	Transcostal Histotripsy Ablation in an In Vivo Acute Hepatic Porcine Model. <i>CardioVascular and Interventional Radiology</i> , <b>2021</b> , 44, 1643-1650	2.7	0
10	Percutaneous Lung Biopsy with Pleural and Parenchymal Blood Patching: Results and Complications From 1,112 Core Biopsies. <i>Journal of Vascular and Interventional Radiology</i> , <b>2021</b> , 32, 1319-1327	2.4	0

9	Microwave Ablation of Renal Cell Carcinoma. <i>Journal of Endourology</i> , <b>2021</b> , 35, S33-S37	2.7	○
8	Contrast-Enhanced Ultrasound: A Useful Tool to Study and Monitor Hepatic Tumors Treated With Histotripsy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 2853-2860	3.2	○
7	Combining Stereotactic Body Radiotherapy and Microwave Ablation Appears Safe and Feasible for Renal Cell Carcinoma in an Early Series. <i>Clinical Genitourinary Cancer</i> , <b>2021</b> , 19, e313-e318	3.3	○
6	Advanced CT techniques for hepatic microwave ablation zone monitoring and follow-up. <i>Abdominal Radiology</i> , <b>2021</b> , 1	3	
5	Efficacy of percutaneous image-guided biopsy for diagnosis of intrahepatic cholangiocarcinoma. <i>Abdominal Radiology</i> , <b>2021</b> , 1	3	
4	Abdominal fellowship-trained versus generalist radiologist accuracy when interpreting MR and CT for the diagnosis of appendicitis. <i>European Radiology</i> , <b>2022</b> , 32, 533-541	8	
3	Letter To The EditOr. <i>Journal of Vascular and Interventional Radiology</i> , <b>2016</b> , 27, 933-4	2.4	
2	Primer on Percutaneous Ablation of Benign Liver Tumors. <i>Clinical Liver Disease</i> , <b>2018</b> , 12, 69-73	2.2	
1	Split-bolus CT urography after microwave ablation of renal cell carcinoma improves image quality and reduces radiation exposure.. <i>Abdominal Radiology</i> , <b>2022</b> , 1	3	