

# Matthew R Callstrom

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/241579/publications.pdf>

Version: 2024-02-01

71  
papers

4,442  
citations

172457

29  
h-index

106344

65  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image-guided Tumor Ablation: Standardization of Terminology and Reporting Criteriaâ€”A 10-Year Update. <i>Radiology</i> , 2014, 273, 241-260.	7.3	870
2	Image-Guided Tumor Ablation: Standardization of Terminology and Reporting Criteriaâ€”A 10-Year Update. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 1691-1705.e4.	0.5	365
3	Comparison of Partial Nephrectomy and Percutaneous Ablation for cT1 Renal Masses. <i>European Urology</i> , 2015, 67, 252-259.	1.9	329
4	Painful Metastases Involving Bone: Feasibility of Percutaneous CT- and US-guided Radio-frequency Ablation. <i>Radiology</i> , 2002, 224, 87-97.	7.3	294
5	Percutaneous imageâ€”guided cryoablation of painful metastases involving bone. <i>Cancer</i> , 2013, 119, 1033-1041.	4.1	247
6	Painful Metastases Involving Bone: Percutaneous Image-guided Cryoablationâ€”Prospective Trial Interim Analysis. <i>Radiology</i> , 2006, 241, 572-580.	7.3	218
7	Complications following 573 Percutaneous Renal Radiofrequency and Cryoablation Procedures. <i>Journal of Vascular and Interventional Radiology</i> , 2012, 23, 48-54.	0.5	200
8	Image-guided ablation of painful metastatic bone tumors: a new and effective approach to a difficult problem. <i>Skeletal Radiology</i> , 2006, 35, 1-15.	2.0	186
9	Oncologic Outcomes Following Partial Nephrectomy and Percutaneous Ablation for cT1 Renal Masses. <i>European Urology</i> , 2019, 76, 244-251.	1.9	117
10	Percutaneous ablation for bone and soft tissue metastasesâ€”why cryoablation?. <i>Skeletal Radiology</i> , 2009, 38, 835-839.	2.0	110
11	Percutaneous Cryoablation of Large Renal Masses: Technical Feasibility and Short-Term Outcome. <i>American Journal of Roentgenology</i> , 2007, 188, 1195-1200.	2.2	89
12	Percutaneous Cryoablation of Extraabdominal Desmoid Tumors: A 10-Year Experience. <i>American Journal of Roentgenology</i> , 2016, 207, 190-195.	2.2	88
13	Motor Evoked Potential Monitoring during Cryoablation of Musculoskeletal Tumors. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 1657-1664.	0.5	76
14	Image-Guided Palliation of Painful Metastases Using Percutaneous Ablation. <i>Techniques in Vascular and Interventional Radiology</i> , 2007, 10, 120-131.	1.0	74
15	Consensus Guidelines for the Definition of Time-to-Event End Points in Image-guided Tumor Ablation: Results of the SIO and DATECAN Initiative. <i>Radiology</i> , 2021, 301, 533-540.	7.3	72
16	Percutaneous Cryoablation of Stage T1b Renal Cell Carcinoma: Technique Considerations, Safety, and Local Tumor Control. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 792-799.	0.5	71
17	Multicenter Study of Metastatic Lung Tumors Targeted by Interventional Cryoablation Evaluation (SOLSTICE). <i>Journal of Thoracic Oncology</i> , 2020, 15, 1200-1209.	1.1	62
18	Outcomes of Radiofrequency Ablation Therapy for Large Benign Thyroid Nodules: A Mayo Clinic Case Series. <i>Mayo Clinic Proceedings</i> , 2018, 93, 1018-1025.	3.0	57

#	ARTICLE	IF	CITATIONS
19	Avoiding Complications in Bone and Soft Tissue Ablation. CardioVascular and Interventional Radiology, 2017, 40, 166-176.	2.0	51
20	Efficacy and Safety of Ablative Therapy in the Treatment of Patients with Metastatic Pheochromocytoma and Paraganglioma. Cancers, 2019, 11, 195.	3.7	45
21	Research Reporting Standards for Image-guided Ablation of Bone and Soft Tissue Tumors. Journal of Vascular and Interventional Radiology, 2009, 20, 1527-1540.	0.5	42
22	A National Analysis of the Complications, Cost, and Mortality of Percutaneous Lung Ablation. Journal of Vascular and Interventional Radiology, 2015, 26, 787-791.	0.5	40
23	Balloon-Assisted Osteoplasty of Periacetabular Tumors following Percutaneous Cryoablation. Journal of Vascular and Interventional Radiology, 2015, 26, 588-594.	0.5	38
24	Technologies for Ablation of Hepatocellular Carcinoma. Gastroenterology, 2008, 134, 1831-1835.	1.3	36
25	Ablation of Musculoskeletal Metastases. American Journal of Roentgenology, 2017, 209, 713-721.	2.2	36
26	Initial Results of Image-Guided Percutaneous Ablation as Second-Line Treatment for Symptomatic Vascular Anomalies. CardioVascular and Interventional Radiology, 2015, 38, 1171-1178.	2.0	35
27	Thermal ablation of intrahepatic cholangiocarcinoma: Safety, efficacy, and factors affecting local tumor progression. Abdominal Radiology, 2018, 43, 3487-3492.	2.1	34
28	Thermal Ablation of Bone Metastases. Seminars in Interventional Radiology, 2018, 35, 299-308.	0.8	32
29	Heat stress induced cell death mechanisms in hepatocytes and hepatocellular carcinoma: In vitro and in vivo study. Lasers in Surgery and Medicine, 2014, 46, 290-301.	2.1	31
30	Cryoablation for Palliation of Painful Bone Metastases: The MOTION Multicenter Study. Radiology Imaging Cancer, 2021, 3, e200101.	1.6	31
31	Performance of 2-Dimensional Ultrasound Shear Wave Elastography in Liver Fibrosis Detection Using Magnetic Resonance Elastography as the Reference Standard. Journal of Ultrasound in Medicine, 2016, 35, 401-412.	1.7	29
32	Noninvasive Assessment of Liver Fibrosis Using Ultrasound-Based Shear Wave Measurement and Comparison to Magnetic Resonance Elastography. Journal of Ultrasound in Medicine, 2014, 33, 1597-1604.	1.7	25
33	Cryoablation of Sternal Metastases for Pain Palliation and Local Tumor Control. Journal of Vascular and Interventional Radiology, 2014, 25, 1665-1670.	0.5	24
34	Bleeding Rate for Ultrasound-Guided Paracentesis in Thrombocytopenic Patients. Journal of Ultrasound in Medicine, 2015, 34, 1833-1838.	1.7	23
35	Heat Stress-Induced PI3K/mTORC2-Dependent AKT Signaling Is a Central Mediator of Hepatocellular Carcinoma Survival to Thermal Ablation Induced Heat Stress. PLoS ONE, 2016, 11, e0162634.	2.5	22
36	The roles of surgery, stereotactic radiation, and ablation for treatment of pulmonary metastases. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 495-502.	0.8	22

#	ARTICLE	IF	CITATIONS
37	Heat Stress and Hepatic Laser Thermal Ablation Induce Hepatocellular Carcinoma Growth: Role of PI3K/mTOR/AKT Signaling. <i>Radiology</i> , 2018, 288, 730-738.	7.3	19
38	Percutaneous ablation: safe, effective treatment of bone tumors. <i>Oncology</i> , 2005, 19, 22-6.	0.5	19
39	Percutaneous Clinical T1a Renal Mass Ablation in the Octogenarian and Nonagenarian: Oncologic Outcomes and Morbidity. <i>Journal of Endourology</i> , 2015, 29, 671-676.	2.1	18
40	Retrospective Review of Percutaneous Image-Guided Ablation of Oligometastatic Prostate Cancer: A Single-Institution Experience. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 987-992.	0.5	18
41	Safety and Efficacy of Percutaneous Image-guided Cryoablation of Completely Endophytic Renal Masses. <i>Urology</i> , 2019, 133, 151-156.	1.0	18
42	Recurrence and Survival Outcomes After Percutaneous Thermal Ablation of Oligometastatic Melanoma. <i>Mayo Clinic Proceedings</i> , 2016, 91, 288-296.	3.0	17
43	Image-Guided Thermal Ablative Therapies in the Treatment of Sarcoma. <i>Current Treatment Options in Oncology</i> , 2017, 18, 25.	3.0	17
44	Phase 1 trial of Vismodegib and Erlotinib combination in metastatic pancreatic cancer. <i>Pancreatology</i> , 2020, 20, 101-109.	1.1	17
45	A Comparison of Bleeding Complications in Patients Undergoing Percutaneous Renal Cryoablation Using Cryoprobes with and without Heat-Based Track Ablation. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 874-879.	0.5	14
46	Heat stress induced, ligand-independent MET and EGFR signalling in hepatocellular carcinoma. <i>International Journal of Hyperthermia</i> , 2018, 34, 812-823.	2.5	14
47	Whole-Gland Prostate Cancer Cryoablation with Magnetic Resonance Imaging Guidance: One-Year Follow-Up. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 344-349.	2.0	13
48	Percutaneous Cryoablation of Solitary, Sporadic Renal Cell Carcinoma: Outcome Analysis Based on Clear-Cell versus Papillary Subtypes. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 1122-1126.	0.5	11
49	Combined Effects of Masking and Distance on Aerosol Exposure Potential. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1792-1800.	3.0	11
50	Palliative Percutaneous Cryoablation and Cementoplasty of Acetabular Metastases: Factors Affecting Pain Control and Fracture Risk. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 1735-1742.	2.0	10
51	Ultrasound Attenuation Estimation in Harmonic Imaging for Robust Fatty Liver Detection. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3080-3087.	1.5	10
52	Musculoskeletal Oncologic Interventions: Proceedings from the Society of Interventional Radiology and Society of Interventional Oncology Research Consensus Panel. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 1089.e1-1089.e9.	0.5	9
53	Utility of PET/CT After Cryoablation for Early Identification of Local Tumor Progression in Osseous Metastatic Disease. <i>American Journal of Roentgenology</i> , 2017, 208, 1342-1351.	2.2	8
54	The utility of chest computed tomography (CT) and RT-PCR screening of asymptomatic patients for SARS-CoV-2 prior to semiurgent or urgent hospital procedures. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, 1375-1377.	1.8	8

#	ARTICLE	IF	CITATIONS
55	Trends in Musculoskeletal Ablation: Emerging Indications and Techniques. <i>Techniques in Vascular and Interventional Radiology</i> , 2020, 23, 100678.	1.0	8
56	Sclerotic bone metastases from sarcomatoid renal cell carcinoma. <i>Skeletal Radiology</i> , 1999, 28, 590-593.	2.0	7
57	Shear wave elastography on the GE LOGIQ E9 with Comb-push Ultrasound Shear Elastography (CUSE) and time aligned sequential tracking (TAST). , 2014, , .		7
58	Outcomes of Ultrasound-Guided Thrombin Injection of Nongroin Arterial Pseudoaneurysms. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 1156-1160.	0.5	7
59	Drivers of the Decision to Biopsy and Follow-Up of Small Suspicious Thyroid Nodules. <i>Endocrine Practice</i> , 2020, 26, 857-868.	2.1	7
60	Heat Stress and Thermal Ablation Induce Local Expression of Nerve Growth Factor Inducible (VGF) in Hepatocytes and Hepatocellular Carcinoma: Preclinical and Clinical Studies. <i>Gene Expression</i> , 2019, 19, 37-47.	1.2	6
61	Evaluation of the Charges, Safety, and Mortality of Percutaneous Renal Thermal Ablation Using the Nationwide Inpatient Sample. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 342-347.	0.5	5
62	Single-Dose Neoadjuvant AKT Pathway Inhibitor Reduces Growth of Hepatocellular Carcinoma after Laser Thermal Ablation in Small-Animal Model. <i>Radiology</i> , 2019, 292, 752-759.	7.3	5
63	Systematic optimization of ultrasound grayscale imaging presets and its application in abdominal scanning. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 192-199.	1.9	3
64	A prospective trial of CT-guided percutaneous microwave ablation for lung tumors. <i>Journal of Thoracic Disease</i> , 2021, 14, 0-0.	1.4	3
65	Technical and safety performance of CT-guided percutaneous microwave ablation for lung tumors: an ablate and resect study. <i>Journal of Thoracic Disease</i> , 2021, 13, 6827-6837.	1.4	3
66	Engaging and Empowering the Front Lines During the COVID-19 Outpatient Practice Reactivation. <i>Mayo Clinic Proceedings</i> , 2020, 95, S47-S51.	3.0	2
67	Response to Is Cryoablation Really Safe and Efficacious: Analyzing Results Within SOLSTICE Trial. <i>Journal of Thoracic Oncology</i> , 2021, 16, e6-e7.	1.1	2
68	Preparing for the next pandemic: It is more than just about numbers. <i>Clinical Imaging</i> , 2021, 79, 179-182.	1.5	2
69	Liver elasticity imaging using external Vibration Multi-directional Ultrasound Shearwave Elastography (EVMUSE). , 2014, , .		1
70	Development of a robust <sc>MRI</sc> fiducial system for automated fusion of <sc>MR</sc>â€œ<sc>US</sc> abdominal images. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 261-270.	1.9	1
71	Bone ablations in peripheral skeleton: Rationale, techniques and evidence. <i>Techniques in Vascular and Interventional Radiology</i> , 2022, 25, 100804.	1.0	1