

Matthew R Callstrom

List of Publications by Year in descending order

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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	The roles of surgery, stereotactic radiation, and ablation for treatment of pulmonary metastases. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 495-502.	0.8	22
2	Bone ablations in peripheral skeleton: Rationale, techniques and evidence. <i>Techniques in Vascular and Interventional Radiology</i> , 2022, 25, 100804.	1.0	1
3	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
4	Cryoablation for Palliation of Painful Bone Metastases: The MOTION Multicenter Study. <i>Radiology Imaging Cancer</i> , 2021, 3, e200101.	1.6	31
5	Combined Effects of Masking and Distance on Aerosol Exposure Potential. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1792-1800.	3.0	11
6	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
7	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
8	Preparing for the next pandemic: It is more than just about numbers. <i>Clinical Imaging</i> , 2021, 79, 179-182.	1.5	2
9	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
10	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
11	Phase 1 trial of Vismodegib and Erlotinib combination in metastatic pancreatic cancer. <i>Pancreatology</i> , 2020, 20, 101-109.	1.1	17
12	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
13	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
14	Trends in Musculoskeletal Ablation: Emerging Indications and Techniques. <i>Techniques in Vascular and Interventional Radiology</i> , 2020, 23, 100678.	1.0	8
15	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
16	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
17	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
18	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

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19	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
20	Safety and Efficacy of Percutaneous Image-guided Cryoablation of Completely Endophytic Renal Masses. <i>Urology</i> , 2019, 133, 151-156.	1.0	18
21	Oncologic Outcomes Following Partial Nephrectomy and Percutaneous Ablation for cT1 Renal Masses. <i>European Urology</i> , 2019, 76, 244-251.	1.9	117
22	Efficacy and Safety of Ablative Therapy in the Treatment of Patients with Metastatic Pheochromocytoma and Paraganglioma. <i>Cancers</i> , 2019, 11, 195.	3.7	45
23	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
24	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
25	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
26	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
27	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
28	Thermal Ablation of Bone Metastases. <i>Seminars in Interventional Radiology</i> , 2018, 35, 299-308.	0.8	32
29	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
30	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
31	Thermal ablation of intrahepatic cholangiocarcinoma: Safety, efficacy, and factors affecting local tumor progression. <i>Abdominal Radiology</i> , 2018, 43, 3487-3492.	2.1	34
32	Development of a robust MRI fiducial system for automated fusion of MR and US abdominal images. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 261-270.	1.9	1
33	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
34	Image-Guided Thermal Ablative Therapies in the Treatment of Sarcoma. <i>Current Treatment Options in Oncology</i> , 2017, 18, 25.	3.0	17
35	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
36	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

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37	Utility of PET/CT After Cryoablation for Early Identification of Local Tumor Progression in Osseous Metastatic Disease. American Journal of Roentgenology, 2017, 208, 1342-1351.	2.2	8
38	Ablation of Musculoskeletal Metastases. American Journal of Roentgenology, 2017, 209, 713-721.	2.2	36
39	Avoiding Complications in Bone and Soft Tissue Ablation. CardioVascular and Interventional Radiology, 2017, 40, 166-176.	2.0	51
40	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
41	Percutaneous Cryoablation of Extraabdominal Desmoid Tumors: A 10-Year Experience. American Journal of Roentgenology, 2016, 207, 190-195.	2.2	88
42	Recurrence and Survival Outcomes After Percutaneous Thermal Ablation of Oligometastatic Melanoma. Mayo Clinic Proceedings, 2016, 91, 288-296.	3.0	17
43	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
44	Bleeding Rate for Ultrasound-Guided Paracentesis in Thrombocytopenic Patients. Journal of Ultrasound in Medicine, 2015, 34, 1833-1838.	1.7	23
45	Comparison of Partial Nephrectomy and Percutaneous Ablation for cT1 Renal Masses. European Urology, 2015, 67, 252-259.	1.9	329
46	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
47	Balloon-Assisted Osteoplasty of Periacetabular Tumors following Percutaneous Cryoablation. Journal of Vascular and Interventional Radiology, 2015, 26, 588-594.	0.5	38
48	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
49	Evaluation of the Charges, Safety, and Mortality of Percutaneous Renal Thermal Ablation Using the Nationwide Inpatient Sample. Journal of Vascular and Interventional Radiology, 2015, 26, 342-347.	0.5	5
50	Percutaneous Cryoablation of Stage T1b Renal Cell Carcinoma: Technique Considerations, Safety, and Local Tumor Control. Journal of Vascular and Interventional Radiology, 2015, 26, 792-799.	0.5	71
51	Percutaneous Clinical T1a Renal Mass Ablation in the Octogenarian and Nonagenarian: Oncologic Outcomes and Morbidity. Journal of Endourology, 2015, 29, 671-676.	2.1	18
52	Liver elasticity imaging using external Vibration Multi-directional Ultrasound Shearwave Elastography (EVMUSE)., 2014, , .		1
53	Cryoablation of Sternal Metastases for Pain Palliation and Local Tumor Control. Journal of Vascular and Interventional Radiology, 2014, 25, 1665-1670.	0.5	24
54	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

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55	Image-Guided Tumor Ablation: Standardization of Terminology and Reporting Criteriaâ€”A 10-Year Update. Journal of Vascular and Interventional Radiology, 2014, 25, 1691-1705.e4.	0.5	365
56	Motor Evoked Potential Monitoring during Cryoablation of Musculoskeletal Tumors. Journal of Vascular and Interventional Radiology, 2014, 25, 1657-1664.	0.5	76
57	Noninvasive Assessment of Liver Fibrosis Using Ultrasoundâ€”Based Shear Wave Measurement and Comparison to Magnetic Resonance Elastography. Journal of Ultrasound in Medicine, 2014, 33, 1597-1604.	1.7	25
58	Shear wave elastography on the GE LOGIQ E9 with Comb-push Ultrasound Shear Elastography (CUSE) and time aligned sequential tracking (TAST). , 2014, , .		7
59	Image-guided Tumor Ablation: Standardization of Terminology and Reporting Criteriaâ€”A 10-Year Update. Radiology, 2014, 273, 241-260.	7.3	870
60	Percutaneous imageâ€”guided cryoablation of painful metastases involving bone. Cancer, 2013, 119, 1033-1041.	4.1	247
61	Complications following 573 Percutaneous Renal Radiofrequency and Cryoablation Procedures. Journal of Vascular and Interventional Radiology, 2012, 23, 48-54.	0.5	200
62	Percutaneous ablation for bone and soft tissue metastasesâ€”why cryoablation?. Skeletal Radiology, 2009, 38, 835-839.	2.0	110
63	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
64	Technologies for Ablation of Hepatocellular Carcinoma. Gastroenterology, 2008, 134, 1831-1835.	1.3	36
65	Percutaneous Cryoablation of Large Renal Masses: Technical Feasibility and Short-Term Outcome. American Journal of Roentgenology, 2007, 188, 1195-1200.	2.2	89
66	Image-Guided Palliation of Painful Metastases Using Percutaneous Ablation. Techniques in Vascular and Interventional Radiology, 2007, 10, 120-131.	1.0	74
67	Image-guided ablation of painful metastatic bone tumors: a new and effective approach to a difficult problem. Skeletal Radiology, 2006, 35, 1-15.	2.0	186
68	Painful Metastases Involving Bone: Percutaneous Image-guided Cryoablationâ€”Prospective Trial Interim Analysis. Radiology, 2006, 241, 572-580.	7.3	218
69	Percutaneous ablation: safe, effective treatment of bone tumors. Oncology, 2005, 19, 22-6.	0.5	19
70	Painful Metastases Involving Bone: Feasibility of Percutaneous CT- and US-guided Radio-frequency Ablation. Radiology, 2002, 224, 87-97.	7.3	294
71	Sclerotic bone metastases from sarcomatoid renal cell carcinoma. Skeletal Radiology, 1999, 28, 590-593.	2.0	7