

# Mitchell D Schnall

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,560  
citations

186265

28  
h-index

197818

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Community-based Lung Cancer Screening Results in Relation to Patient and Radiologist Characteristics: The PROSPR Consortium. <i>Annals of the American Thoracic Society</i> , 2022, 19, 433-441.	3.2	7
2	Integrating 1H MRS and deuterium labeled glucose for mapping the dynamics of neural metabolism in humans. <i>NeuroImage</i> , 2022, 251, 118977.	4.2	14
3	Mean Apparent Diffusion Coefficient Is a Sufficient Conventional Diffusion-weighted MRI Metric to Improve Breast MRI Diagnostic Performance: Results from the ECOG-ACRIN Cancer Research Group A6702 Diffusion Imaging Trial. <i>Radiology</i> , 2021, 298, 60-70.	7.3	30
4	Quantification of abdominal fat from computed tomography using deep learning and its association with electronic health records in an academic biobank. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1178-1187.	4.4	14
5	RE: Advanced Breast Cancer Definitions by Staging System Examined in the Breast Cancer Surveillance Consortium. <i>Journal of the National Cancer Institute</i> , 2021, 113, 938-939.	6.3	1
6	Special Report of the RSNA COVID-19 Task Force: Crisis Leadership of Major Health System Radiology Departments during COVID-19. <i>Radiology</i> , 2021, 299, E187-E192.	7.3	5
7	Evaluating Screening Participation, Follow-up, and Outcomes for Breast, Cervical, and Colorectal Cancer in the PROSPR Consortium. <i>Journal of the National Cancer Institute</i> , 2020, 112, 238-246.	6.3	35
8	Imaging Phenotypes of Breast Cancer Heterogeneity in Preoperative Breast Dynamic Contrast Enhanced Magnetic Resonance Imaging (DCE-MRI) Scans Predict 10-Year Recurrence. <i>Clinical Cancer Research</i> , 2020, 26, 862-869.	7.0	50
9	What happened to the US cancer cooperative groups? A status update ten years after the Institute of Medicine report. <i>Cancer</i> , 2020, 126, 5022-5029.	4.1	9
10	Abbreviated Breast Magnetic Resonance Imaging for Supplemental Screening of Women With Dense Breasts and Average Risk. <i>Journal of Clinical Oncology</i> , 2020, 38, 3874-3882.	1.6	40
11	MR Intracranial Vessel Wall Imaging: A Systematic Review. <i>Journal of Neuroimaging</i> , 2020, 30, 428-442.	2.0	14
12	Five Consecutive Years of Screening with Digital Breast Tomosynthesis: Outcomes by Screening Year and Round. <i>Radiology</i> , 2020, 295, 285-293.	7.3	76
13	1H magnetic resonance spectroscopy of 2H-to-1H exchange quantifies the dynamics of cellular metabolism in vivo. <i>Nature Biomedical Engineering</i> , 2020, 4, 335-342.	22.5	40
14	Evaluating Lung Cancer Screening Across Diverse Healthcare Systems: A Process Model from the Lung PROSPR Consortium. <i>Cancer Prevention Research</i> , 2020, 13, 129-136.	1.5	25
15	Sugar alcohol provides imaging contrast in cancer detection. <i>Scientific Reports</i> , 2019, 9, 11092.	3.3	7
16	Current Activities of the Coalition of Cancer Cooperative Groups. <i>Journal of the National Cancer Institute</i> , 2019, 111, 11-18.	6.3	4
17	Utility of Diffusion-weighted Imaging to Decrease Unnecessary Biopsies Prompted by Breast MRI: A Trial of the ECOG-ACRIN Cancer Research Group (A6702). <i>Clinical Cancer Research</i> , 2019, 25, 1756-1765.	7.0	100
18	Comparison of Study Activity Times for $^1\text{H}$ - versus $^2\text{H}$ -Fast MRI for Breast Cancer Screening. <i>Journal of the American College of Radiology</i> , 2019, 16, 1046-1051.	1.8	16

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19	The Impact of a Risk-Based Breast Cancer Screening Decision Aid on Initiation of Mammography Among Younger Women: Report of a Randomized Trial. <i>MDM Policy and Practice</i> , 2019, 4, 238146831881288.	0.9	16
20	Association of Digital Breast Tomosynthesis vs Digital Mammography With Cancer Detection and Recall Rates by Age and Breast Density. <i>JAMA Oncology</i> , 2019, 5, 635.	7.1	136
21	Timely follow-up of positive cancer screening results: A systematic review and recommendations from the PROSPR Consortium. <i>Ca-A Cancer Journal for Clinicians</i> , 2018, 68, 199-216.	329.8	63
22	MRI, Clinical Examination, and Mammography for Preoperative Assessment of Residual Disease and Pathologic Complete Response After Neoadjuvant Chemotherapy for Breast Cancer: ACRIN 6657 Trial. <i>American Journal of Roentgenology</i> , 2018, 210, 1376-1385.	2.2	90
23	Characterizing and eliminating errors in enhancement and subtraction artifacts in dynamic contrast-enhanced breast MRI: Chemical shift artifact of the third kind. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2277-2289.	3.0	1
24	Improving Performance by Using a Radiology Extender. <i>Journal of the American College of Radiology</i> , 2018, 15, 1300-1303.	1.8	5
25	Tissue oxygen saturation predicts response to breast cancer neoadjuvant chemotherapy within 10 days of treatment. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	32
26	Three-dimensional whole breast segmentation in sagittal MR images with dense depth field modeling and localized self-adaptation. , 2017, , .		0
27	No impact of breast magnetic resonance imaging on 15-year outcomes in patients with ductal carcinoma in situ or early-stage invasive breast cancer managed with breast conservation therapy. <i>Cancer</i> , 2017, 123, 1324-1332.	4.1	35
28	BI-RADS Category 3 Comparison: Probably Benign Category after Recall from Screening before and after Implementation of Digital Breast Tomosynthesis. <i>Radiology</i> , 2017, 285, 778-787.	7.3	21
29	Mammographic breast density decreases after bariatric surgery. <i>Breast Cancer Research and Treatment</i> , 2017, 165, 565-572.	2.5	14
30	Non-caloric sweetener provides magnetic resonance imaging contrast for cancer detection. <i>Journal of Translational Medicine</i> , 2017, 15, 119.	4.4	13
31	Variation in Mammographic Breast Density Assessments Among Radiologists in Clinical Practice. <i>Annals of Internal Medicine</i> , 2016, 165, 457.	3.9	148
32	Follow-Up of Abnormal Breast and Colorectal Cancer Screening by Race/Ethnicity. <i>American Journal of Preventive Medicine</i> , 2016, 51, 507-512.	3.0	46
33	Predicting Responses to Neoadjuvant Chemotherapy in Breast Cancer: ACRIN 6691 Trial of Diffuse Optical Spectroscopic Imaging. <i>Cancer Research</i> , 2016, 76, 5933-5944.	0.9	105
34	Rationale and design of the Randomized Evaluation of patients with Stable angina Comparing Utilization of noninvasive Examinations (RESCUE) trial. <i>American Heart Journal</i> , 2016, 179, 19-28.	2.7	7
35	Lactate Chemical Exchange Saturation Transfer (LATEST) Imaging in vivo: A Biomarker for LDH Activity. <i>Scientific Reports</i> , 2016, 6, 19517.	3.3	62
36	Using lessons from breast, cervical, and colorectal cancer screening to inform the development of lung cancer screening programs. <i>Cancer</i> , 2016, 122, 1338-1342.	4.1	20

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37	Neoadjuvant Chemotherapy for Breast Cancer: Functional Tumor Volume by MR Imaging Predicts Recurrence-free Survival—Results from the ACRIN 6657/CALGB 150007 I-SPY 1 TRIAL. <i>Radiology</i> , 2016, 279, 44-55.	7.3	186
38	Effectiveness of Digital Breast Tomosynthesis Compared With Digital Mammography. <i>JAMA Oncology</i> , 2016, 2, 737.	7.1	178
39	Breast cancer screening using tomosynthesis in combination with digital mammography compared to digital mammography alone: a cohort study within the PROSPR consortium. <i>Breast Cancer Research and Treatment</i> , 2016, 156, 109-116.	2.5	147
40	Women In Steady Exercise Research (WISER) Sister: Study design and methods. <i>Contemporary Clinical Trials</i> , 2015, 41, 17-30.	1.8	19
41	Segmental Transarterial Embolization in a Translational Rat Model of Hepatocellular Carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1229-1237.	0.5	32
42	Dose—response effects of aerobic exercise on estrogen among women at high risk for breast cancer: a randomized controlled trial. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 309-318.	2.5	34
43	Code Abdomen: An Assessment Coding Scheme for Abdominal Imaging Findings Possibly Representing Cancer. <i>Journal of the American College of Radiology</i> , 2015, 12, 947-950.	1.8	22
44	Baseline Screening Mammography: Performance of Full-Field Digital Mammography Versus Digital Breast Tomosynthesis. <i>American Journal of Roentgenology</i> , 2015, 205, 1143-1148.	2.2	57
45	A Dedicated Breast Positron Emission Tomography Scanner: Proof of Concept. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 435-439.	0.3	4
46	Screening Outcomes Following Implementation of Digital Breast Tomosynthesis in a General-Population Screening Program. <i>Journal of the National Cancer Institute</i> , 2014, 106, .	6.3	158
47	Assessment of Follow-up Completeness and Notification Preferences for Imaging Findings of Possible Cancer. <i>Academic Radiology</i> , 2014, 21, 1579-1586.	2.5	31
48	SIMULTANEOUS ESTIMATION AND SEGMENTATION OF T1 MAP FOR BREAST PARENCHYMA MEASUREMENT. , 2007, , .		10
49	MRI detection of distinct incidental cancer in women with primary breast cancer studied in IBMC 6883. <i>Journal of Surgical Oncology</i> , 2005, 92, 32-38.	1.7	145
50	Magnetic Resonance Imaging-Guided Biopsy of Mammographically and Clinically Occult Breast Lesions. <i>Annals of Surgical Oncology</i> , 2002, 9, 457-461.	1.5	5
51	Demonstration of a compact compressor for application of metastability-exchange optical pumping of <sup>3</sup> He to human lung imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 290-294.	3.0	29
52	Demonstration of a compact compressor for application of metastability-exchange optical pumping of <sup>3</sup> He to human lung imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 290.	3.0	2
53	MRI of hyperpolarized <sup>3</sup> He gas in human paranasal sinuses. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 865-868.	3.0	19
54	Proton T1—dispersion imaging of rodent brain at 1.9 T. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 1090-1096.	3.4	25

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55	MR imaging of pelvic lymph nodes in primary pelvic carcinoma with ultrasmall superparamagnetic iron oxide (combidex): Preliminary observations. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 161-163.	3.4	81
56	Multicoil array for high resolution imaging of the breast. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 778-784.	3.0	33
57	Magnetic resonance imaging in carcinoma of the prostate. <i>Prostate</i> , 1992, 21, 17-31.	2.3	7
58	In vivo <sup>31</sup> P NMR spectroscopy of agonist-stimulated phosphatidylinositol metabolism in cat brain. <i>Magnetic Resonance in Medicine</i> , 1987, 4, 221-226.	3.0	29