

# 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	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
2	Effectiveness of Digital Breast Tomosynthesis Compared With Digital Mammography. <i>JAMA Oncology</i> , 2016, 2, 737.	7.1	178
3	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
4	Variation in Mammographic Breast Density Assessments Among Radiologists in Clinical Practice. <i>Annals of Internal Medicine</i> , 2016, 165, 457.	3.9	148
5	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
6	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
7	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
8	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
9	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
10	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
11	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
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	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
14	Lactate Chemical Exchange Saturation Transfer (LATEST) Imaging in vivo: A Biomarker for LDH Activity. <i>Scientific Reports</i> , 2016, 6, 19517.	3.3	62
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	Multicoil array for high resolution imaging of the breast. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 778-784.	3.0	33
24	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
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	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
27	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
28	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
29	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
30	Proton T1 $\rho$ dispersion imaging of rodent brain at 1.9 T. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 1090-1096.	3.4	25
31	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
32	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
33	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
34	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
35	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
36	Women In Steady Exercise Research (WISER) Sister: Study design and methods. <i>Contemporary Clinical Trials</i> , 2015, 41, 17-30.	1.8	19

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37	Comparison of Study Activity Times for "Full" versus "Fast MRI" for Breast Cancer Screening. Journal of the American College of Radiology, 2019, 16, 1046-1051.	1.8	16
38	The Impact of a Risk-Based Breast Cancer Screening Decision Aid on Initiation of Mammography Among Younger Women: Report of a Randomized Trial. MDM Policy and Practice, 2019, 4, 238146831881288.	0.9	16
39	Mammographic breast density decreases after bariatric surgery. Breast Cancer Research and Treatment, 2017, 165, 565-572.	2.5	14
40	MR Intracranial Vessel Wall Imaging: A Systematic Review. Journal of Neuroimaging, 2020, 30, 428-442.	2.0	14
41	Quantification of abdominal fat from computed tomography using deep learning and its association with electronic health records in an academic biobank. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1178-1187.	4.4	14
42	Integrating 1H MRS and deuterium labeled glucose for mapping the dynamics of neural metabolism in humans. NeuroImage, 2022, 251, 118977.	4.2	14
43	Non-caloric sweetener provides magnetic resonance imaging contrast for cancer detection. Journal of Translational Medicine, 2017, 15, 119.	4.4	13
44	SIMULTANEOUS ESTIMATION AND SEGMENTATION OF T1 MAP FOR BREAST PARENCHYMA MEASUREMENT. , 2007, , .		10
45	What happened to the US cancer cooperative groups? A status update ten years after the Institute of Medicine report. Cancer, 2020, 126, 5022-5029.	4.1	9
46	Magnetic resonance imaging in carcinoma of the prostate. Prostate, 1992, 21, 17-31.	2.3	7
47	Rationale and design of the Randomized Evaluation of patients with Stable angina Comparing Utilization of noninvasive Examinations (RESCUE) trial. American Heart Journal, 2016, 179, 19-28.	2.7	7
48	Sugar alcohol provides imaging contrast in cancer detection. Scientific Reports, 2019, 9, 11092.	3.3	7
49	Community-based Lung Cancer Screening Results in Relation to Patient and Radiologist Characteristics: The PROSPR Consortium. Annals of the American Thoracic Society, 2022, 19, 433-441.	3.2	7
50	Improving Performance by Using a Radiology Extender. Journal of the American College of Radiology, 2018, 15, 1300-1303.	1.8	5
51	Special Report of the RSNA COVID-19 Task Force: Crisis Leadership of Major Health System Radiology Departments during COVID-19. Radiology, 2021, 299, E187-E192.	7.3	5
52	Magnetic Resonance Imaging-Guided Biopsy of Mammographically and Clinically Occult Breast Lesions. Annals of Surgical Oncology, 2002, 9, 457-461.	1.5	5
53	A Dedicated Breast Positron Emission Tomography Scanner: Proof of Concept. Journal of Medical Imaging and Radiation Sciences, 2014, 45, 435-439.	0.3	4
54	Current Activities of the Coalition of Cancer Cooperative Groups. Journal of the National Cancer Institute, 2019, 111, 11-18.	6.3	4

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55	Demonstration of a compact compressor for application of metastability-exchange optical pumping of $^3\text{He}$ to human lung imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 290.	3.0	2
56	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
57	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
58	Three-dimensional whole breast segmentation in sagittal MR images with dense depth field modeling and localized self-adaptation. , 2017, , .		0