

# Lars J Grimm

## List of Publications by Year in descending order

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Version: 2024-02-01

133  
papers

2,946  
citations

236612

25  
h-index

197535

49  
g-index

134  
all docs

134  
docs citations

134  
times ranked

3265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benefits and Harms of Breast Cancer Screening. JAMA - Journal of the American Medical Association, 2015, 314, 1615.	3.8	473
2	Radiogenomic Analysis of Breast Cancer: Luminal B Molecular Subtype Is Associated with Enhancement Dynamics at MR Imaging. Radiology, 2014, 273, 365-372.	3.6	206
3	A machine learning approach to radiogenomics of breast cancer: a study of 922 subjects and 529 DCE-MRI features. British Journal of Cancer, 2018, 119, 508-516.	2.9	135
4	Abbreviated Screening Protocol for Breast MRI. Academic Radiology, 2015, 22, 1157-1162.	1.3	130
5	Computational approach to radiogenomics of breast cancer: Luminal A and luminal B molecular subtypes are associated with imaging features on routine breast MRI extracted using computer vision algorithms. Journal of Magnetic Resonance Imaging, 2015, 42, 902-907.	1.9	127
6	Gender and Racial Bias in Radiology Residency Letters of Recommendation. Journal of the American College of Radiology, 2020, 17, 64-71.	0.9	93
7	Surgical Upstaging Rates for Vacuum Assisted Biopsy Proven DCIS: Implications for Active Surveillance Trials. Annals of Surgical Oncology, 2017, 24, 3534-3540.	0.7	76
8	Cancer Outcomes in DCIS Patients Without Locoregional Treatment. Journal of the National Cancer Institute, 2019, 111, 952-960.	3.0	76
9	Men (and Women) in Academic Radiology: How Can We Reduce the Gender Discrepancy?. American Journal of Roentgenology, 2016, 206, 678-680.	1.0	72
10	Interobserver Variability Between Breast Imagers Using the Fifth Edition of the BI-RADS MRI Lexicon. American Journal of Roentgenology, 2015, 204, 1120-1124.	1.0	69
11	Can Breast Cancer Molecular Subtype Help to Select Patients for Preoperative MR Imaging?. Radiology, 2015, 274, 352-358.	3.6	65
12	Bias in Radiology Resident Selection: Do We Discriminate Against the Obese and Unattractive?. Academic Medicine, 2019, 94, 1774-1780.	0.8	62
13	Bridging the Gap. Academic Radiology, 2018, 25, 1052-1061.	1.3	61
14	Prediction of Occult Invasive Disease in Ductal Carcinoma in Situ Using Deep Learning Features. Journal of the American College of Radiology, 2018, 15, 527-534.	0.9	56
15	Breast MRI radiogenomics: Current status and research implications. Journal of Magnetic Resonance Imaging, 2016, 43, 1269-1278.	1.9	48
16	Deep learning analysis of breast MRIs for prediction of occult invasive disease in ductal carcinoma in situ. Computers in Biology and Medicine, 2019, 115, 103498.	3.9	45
17	Breast Cancer Radiogenomics: Current Status and Future Directions. Academic Radiology, 2020, 27, 39-46.	1.3	45
18	Incidental Detection of Nutcracker Phenomenon on Multidetector CT in an Asymptomatic Population. Journal of Computer Assisted Tomography, 2013, 37, 415-418.	0.5	43

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19	Relationship between Background Parenchymal Enhancement on High-risk Screening MRI and Future Breast Cancer Risk. <i>Academic Radiology</i> , 2019, 26, 69-75.	1.3	38
20	Relationships Between MRI Breast Imaging-Reporting and Data System (BI-RADS) Lexicon Descriptors and Breast Cancer Molecular Subtypes: Internal Enhancement is Associated with Luminal B Subtype. <i>Breast Journal</i> , 2017, 23, 579-582.	0.4	35
21	Predictors of an Academic Career on Radiology Residency Applications. <i>Academic Radiology</i> , 2014, 21, 685-690.	1.3	33
22	Residency Postinterview Communications: More Harm Than Good?. <i>Journal of Graduate Medical Education</i> , 2016, 8, 7-9.	0.6	31
23	Ductal Carcinoma in Situ: State-of-the-Art Review. <i>Radiology</i> , 2022, 302, 246-255.	3.6	30
24	Factors Influencing the Gender Breakdown of Academic Radiology Residency Programs. <i>Journal of the American College of Radiology</i> , 2017, 14, 958-962.	0.9	29
25	Differential Motivations for Pursuing Diagnostic Radiology by Gender. <i>Academic Radiology</i> , 2017, 24, 1312-1317.	1.3	29
26	Ductal Carcinoma in Situ: Current Concepts in Biology, Imaging, and Treatment. <i>Journal of Breast Imaging</i> , 2019, 1, 166-176.	0.5	29
27	Frequency of Malignancy and Imaging Characteristics of Probably Benign Lesions Seen at Breast MRI. <i>American Journal of Roentgenology</i> , 2015, 205, 442-447.	1.0	27
28	Awareness of implicit bias mitigates discrimination in radiology resident selection. <i>Medical Education</i> , 2020, 54, 637-642.	1.1	27
29	Impact of the COVID-19 Pandemic on Breast Imaging: An Analysis of the National Mammography Database. <i>Journal of the American College of Radiology</i> , 2022, 19, 919-934.	0.9	26
30	Recurrence-free survival in breast cancer is associated with MRI tumor enhancement dynamics quantified using computer algorithms. <i>European Journal of Radiology</i> , 2015, 84, 2117-2122.	1.2	24
31	Should Radiology Residency Interviews Remain Virtual? Results of a Multi-institutional Survey Inform the Debate. <i>Academic Radiology</i> , 2022, 29, 1595-1607.	1.3	24
32	Benefits and Risks of Mammography Screening in Women Ages 40 to 49 Years. <i>Journal of Primary Care and Community Health</i> , 2022, 13, 215013272110583.	1.0	24
33	Concordant, non-atypical breast papillomas do not require surgical excision: A 10-year multi-institution study and review of the literature. <i>Clinical Imaging</i> , 2018, 51, 180-185.	0.8	22
34	Implementation of Abbreviated Breast MRI for Screening: <i>AJR</i> Expert Panel Narrative Review. <i>American Journal of Roentgenology</i> , 2022, 218, 202-212.	1.0	21
35	Interobserver variability in identification of breast tumors in MRI and its implications for prognostic biomarkers and radiogenomics. <i>Medical Physics</i> , 2016, 43, 4558-4564.	1.6	20
36	Active Surveillance for DCIS: The Importance of Selection Criteria and Monitoring. <i>Annals of Surgical Oncology</i> , 2016, 23, 4134-4136.	0.7	19

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37	Can algorithmically assessed MRI features predict which patients with a preoperative diagnosis of ductal carcinoma in situ are upstaged to invasive breast cancer?. Journal of Magnetic Resonance Imaging, 2017, 46, 1332-1340.	1.9	19
38	Growth Dynamics of Mammographic Calcifications: Differentiating Ductal Carcinoma in Situ from Benign Breast Disease. Radiology, 2019, 292, 77-83.	3.6	19
39	Prediction of Upstaged Ductal Carcinoma <i>In Situ</i> Using Forced Labeling and Domain Adaptation. IEEE Transactions on Biomedical Engineering, 2020, 67, 1565-1572.	2.5	19
40	Can Occult Invasive Disease in Ductal Carcinoma In Situ Be Predicted Using Computer-extracted Mammographic Features?. Academic Radiology, 2017, 24, 1139-1147.	1.3	18
41	Authorship and Impact of Gender-Specific Research in Major Radiology Journals. Journal of the American College of Radiology, 2019, 16, 240-243.	0.9	18
42	Radiologist-Patient Communication: Current Practices and Barriers to Communication in Breast Imaging. Journal of the American College of Radiology, 2019, 16, 709-716.	0.9	18
43	Machine learning-based prediction of future breast cancer using algorithmically measured background parenchymal enhancement on high-risk screening MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 456-464.	1.9	18
44	COVID-19 and Breast Radiologist Wellness: Impact of Gender, Financial Loss, and Childcare Need. Journal of the American College of Radiology, 2021, 18, 1017-1026.	0.9	18
45	Differential Motivations for Pursuing Interventional Radiology: Implications for Residency Recruitment. Journal of the American College of Radiology, 2019, 16, 82-88.	0.9	17
46	Prediction of Upstaging in Ductal Carcinoma in Situ Based on Mammographic Radiomic Features. Radiology, 2022, 303, 54-62.	3.6	17
47	Can the localization of primary colonic tumors be improved by staging CT without specific bowel preparation compared to optical colonoscopy?. European Journal of Radiology, 2012, 81, 2538-2542.	1.2	15
48	Radiology Resident Mammography Training. Academic Radiology, 2014, 21, 888-892.	1.3	14
49	Focal Breast Pain. Academic Radiology, 2017, 24, 53-59.	1.3	14
50	Patient Perceptions of Breast Cancer Risk in Imaging-Detected Low-Risk Scenarios and Thresholds for Desired Intervention: A Multi-Institution Survey. Journal of the American College of Radiology, 2018, 15, 911-919.	0.9	14
51	Suspicious breast calcifications undergoing stereotactic biopsy in women ages 70 and over: Breast cancer incidence by BI-RADS descriptors. European Radiology, 2017, 27, 2275-2281.	2.3	13
52	Ultimate Publication Rate of Unpublished Manuscripts Listed on Radiology Residency Applications at One Institution. Academic Medicine, 2013, 88, 1719-1722.	0.8	12
53	Predicting error in detecting mammographic masses among radiology trainees using statistical models based on BI-RADS features. Medical Physics, 2014, 41, 031909.	1.6	12
54	Collaboration Metrics Among Female and Male Researchers. Academic Radiology, 2018, 25, 951-954.	1.3	12

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55	Hybrid Interactive and Didactic Teaching Format Improves Resident Retention and Attention Compared to Traditional Lectures. <i>Academic Radiology</i> , 2019, 26, 1269-1273.	1.3	12
56	Imaging Features of Patients Undergoing Active Surveillance for Ductal Carcinoma in Situ. <i>Academic Radiology</i> , 2017, 24, 1364-1371.	1.3	11
57	Left renal vein compression as cause for varicocele: prevalence and associated findings on contrast-enhanced CT. <i>Abdominal Imaging</i> , 2015, 40, 3147-3151.	2.0	10
58	Radiology Stereotypes, Application Barriers, and Hospital Integration: A Mixed-methods Study of Medical Student Perceptions of Radiology. <i>Academic Radiology</i> , 2022, 29, 1108-1115.	1.3	10
59	Breast Imaging for Transgender Individuals: Assessment of Current Practice and Needs. <i>Journal of the American College of Radiology</i> , 2022, 19, 221-231.	0.9	10
60	The Value of Numerical USMLE Step 1 Scores in Radiology Resident Selection. <i>Academic Radiology</i> , 2020, 27, 1475-1480.	1.3	9
61	It's not you, it's me: The influence of patient and surgeon gender on patient satisfaction scores. <i>American Journal of Surgery</i> , 2020, 220, 1179-1188.	0.9	9
62	Factors Influential in the Selection of Radiology Residents in the Post-Step 1 World: A Discrete Choice Experiment. <i>Journal of the American College of Radiology</i> , 2021, 18, 1572-1580.	0.9	9
63	Anomaly Detection of Calcifications in Mammography Based on 11,000 Negative Cases. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1639-1650.	2.5	9
64	Applicant to Residency Program Translation Guide. <i>Journal of the American College of Radiology</i> , 2015, 12, 622-623.	0.9	8
65	Accessory Veins in Nonmaturing Autogenous Arteriovenous Fistulae: Analysis of Anatomic Features and Impact on Fistula Maturation. <i>Seminars in Dialysis</i> , 2015, 28, E30-4.	0.7	8
66	Imaging of Proximal Tibiofibular Joint Instability: A 10 year retrospective case series. <i>Clinical Imaging</i> , 2016, 40, 470-476.	0.8	8
67	Screening Guidelines and Supplemental Screening Tools: Assessment of the Adequacy of Patient-Provider Discussions. <i>Journal of Breast Imaging</i> , 2019, 1, 109-114.	0.5	8
68	You're Biased! Deal With It. <i>Journal of the American College of Radiology</i> , 2021, 18, 161-165.	0.9	8
69	Predicting false negative errors in digital breast tomosynthesis among radiology trainees using a computer vision-based approach. <i>Expert Systems With Applications</i> , 2016, 56, 1-8.	4.4	7
70	Solitary, Well-Circumscribed, T2 Hyperintense Masses on MRI Have Very Low Malignancy Rates. <i>Journal of Breast Imaging</i> , 2019, 1, 37-42.	0.5	7
71	Mixed-Methods Study to Predict Upstaging of DCIS to Invasive Disease on Mammography. <i>American Journal of Roentgenology</i> , 2021, 216, 903-911.	1.0	7
72	Impact of the COVID-19 Pandemic on Breast Imaging Education. <i>Journal of Breast Imaging</i> , 2021, 3, 354-362.	0.5	7

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73	Deep learning-based features of breast MRI for prediction of occult invasive disease following a diagnosis of ductal carcinoma in situ: preliminary data. , 2018, , .		7
74	Survey of the incidence and effect of major life events on graduate medical education trainees. Medical Education Online, 2015, 20, 27597.	1.1	6
75	The American College of Radiology/Society of Breast Imaging Updated Fellowship Training Curriculum for Breast Imaging. Journal of Breast Imaging, 2021, 3, 498-501.	0.5	6
76	Impact of COVID-19 on Breast Imaging Practice Operations and Recovery Efforts: A North American Study. Journal of Breast Imaging, 2021, 3, 156-167.	0.5	6
77	Does Breast Imaging Experience During Residency Translate Into Improved Initial Performance in Digital Breast Tomosynthesis?. Journal of the American College of Radiology, 2015, 12, 728-732.	0.9	5
78	Normal Axillary Lymph Node Variability Between White and Black Women on Breast MRI. Academic Radiology, 2018, 25, 305-308.	1.3	5
79	Multimodal Patient-Specific Registration for Breast Imaging Using Biomechanical Modeling with Reference to AI Evaluation of Breast Tumor Change. Life, 2021, 11, 747.	1.1	5
80	Recombinant oncolytic poliovirus combined with checkpoint blockade for breast cancer therapy.. Journal of Clinical Oncology, 2018, 36, e12641-e12641.	0.8	5
81	Communicating With Breast Imaging Patients During the COVID-19 Pandemic: Impact on Patient Care and Physician Wellness. Journal of Breast Imaging, 2022, 4, 144-152.	0.5	5
82	Bleeding Complications After Breast Core-needle Biopsy—An Approach to Managing Patients on Antithrombotic Therapy. Journal of Breast Imaging, 2022, 4, 241-252.	0.5	5
83	The Effect of Left-Sided Versus Right-Sided Contrast Infusion on Attenuation of the Main Pulmonary Artery When Performing Computed Tomography Angiograms of the Chest. Journal of Computer Assisted Tomography, 2010, 34, 52-57.	0.5	4
84	Performance of preoperative breast MRI based on breast cancer molecular subtype. Clinical Imaging, 2020, 67, 130-135.	0.8	4
85	Predicting Upstaging of DCIS to Invasive Disease: Radiologists's Predictive Performance. Academic Radiology, 2020, 27, 1580-1585.	1.3	4
86	Radiomics: A Primer for Breast Radiologists. Journal of Breast Imaging, 2021, 3, 276-287.	0.5	4
87	Moving Towards Equity, Wellness, and Environmental Sustainability: Arguments for Virtual Radiology Residency Recruitment and Strategies for Application Control. Academic Radiology, 2022, 29, 1124-1128.	1.3	4
88	The Radiology Resident Education Research Alliance: The Evolution of a Multi-Institutional Research Cooperative. Journal of the American College of Radiology, 2022, 19, 586-589.	0.9	4
89	Effectiveness of a breath-hold monitoring system in improving the reproducibility of different breath-hold positions in multiphasic CT imaging. Clinical Imaging, 2012, 36, 754-757.	0.8	3
90	Radiology Education in China. Journal of the American College of Radiology, 2013, 10, 213-219.	0.9	3

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91	Assessing the utility of the ventilation phase in ventilation- perfusion imaging for acute pulmonary embolism. Nuclear Medicine Communications, 2013, 34, 1-4.	0.5	3
92	Frequency of Breast Cancer Thoughts and Lifetime Risk Estimates: A Multi-Institutional Survey of Women Undergoing Screening Mammography. Journal of the American College of Radiology, 2019, 16, 1393-1400.	0.9	3
93	Knowledge Retention in Radiology Residents for Audience Response System Versus Traditional Hot-Seat Conference. Journal of the American College of Radiology, 2021, 18, 305-308.	0.9	3
94	Learning better deep features for the prediction of occult invasive disease in ductal carcinoma in situ through transfer learning. , 2018, , .		3
95	Axillary Imaging Following a New Invasive Breast Cancer Diagnosis- A Radiologist's Dilemma. Journal of Breast Imaging, 0, , .	0.5	3
96	Variations and Challenges to Performing Outside Study Interpretations in Breast Imaging: A National Survey of the Society of Breast Imaging Membership. Journal of Breast Imaging, 2022, 4, 153-160.	0.5	3
97	Hidden Curriculum and the Demographic Stoicism That Keeps Women and Minorities Away From Radiology: A Mixed-Methods Study of Medical Students. Journal of the American College of Radiology, 2023, 20, 268-275.	0.9	3
98	Recommendations to Reduce Diagnostic Radiology Resident Misrepresentation in Postinterview Communications. Journal of the American College of Radiology, 2016, 13, 964-966.	0.9	2
99	Radiology Trainee Performance in Digital Breast Tomosynthesis: Relationship Between Difficulty and Error-Making Patterns. Journal of the American College of Radiology, 2016, 13, 198-202.	0.9	2
100	Ductal Carcinoma In Situ Biology, Language, and Active Surveillance: A Survey of Breast Radiologists Knowledge and Opinions. Journal of the American College of Radiology, 2020, 17, 1252-1258.	0.9	2
101	Adaptations of Breast Imaging Centers to the COVID-19 Pandemic: A Survey of California and Texas. Journal of Breast Imaging, 2021, 3, 343-353.	0.5	2
102	Geographic Trends in Publications and Submissions in Radiology Journals: Decade Report (2010 - 2020). Academic Radiology, 2022, , .	1.3	2
103	A Proposal to Reduce Misrepresentation of Medical Student Research Activities in ERAS. Academic Medicine, 2014, 89, 833.	0.8	1
104	Incorporating breast tomosynthesis into radiology residency: Does trainee experience in breast imaging translate into improved performance with this new modality?. , 2015, , .		1
105	Reply to "Reducing Gender Discrepancies in Academic Radiology". American Journal of Roentgenology, 2016, 207, W105-W105.	1.0	1
106	A computer vision-based algorithm to predict false positive errors in radiology trainees when interpreting digital breast tomosynthesis cases. Expert Systems With Applications, 2016, 64, 490-499.	4.4	1
107	Can upstaging of ductal carcinoma in situ be predicted at biopsy by histologic and mammographic features?. , 2017, , .		1
108	It's Not You, It's Me: The Influence of Surgeon Gender on Patient Satisfaction Scores. Journal of the American College of Surgeons, 2018, 227, e31.	0.2	1



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109	A Proposal to Define Three New Breast Calcification Shapes: Square, Sandwich, and Teardrop, Pill & Capsule. Journal of Breast Imaging, 2019, 1, 186-191.	0.5	1
110	Major Factors Driving Expert Opinion on Preoperative Breast MRI Do Not Predict Additional Disease. Radiology Imaging Cancer, 2020, 2, e200025.	0.7	1
111	Breast MRI Best Defines Extent in Women with Newly Diagnosed Invasive Lobular Carcinoma. Journal of Breast Imaging, 2021, 3, 299-300.	0.5	1
112	Primary care provider perspectives on screening mammography in older women: A qualitative study. Preventive Medicine Reports, 2021, 22, 101380.	0.8	1
113	Convolutional encoder-decoder for breast mass segmentation in digital breast tomosynthesis. , 2018, , .		1
114	Prediction of occult invasive disease in ductal carcinoma in situ using computer-extracted mammographic features. , 2017, , .		1
115	Improving classification with forced labeling of other related classes: application to prediction of upstaged ductal carcinoma in situ using mammographic features. , 2018, , .		1
116	Malignant microcalcification clusters detection using unsupervised deep autoencoders. , 2019, , .		1
117	Microcalcification localization and cluster detection using unsupervised convolutional autoencoders and structural similarity index. , 2020, , .		1
118	Digital Breast Tomosynthesis and Detection of Interval Invasive and Advanced Breast Cancers. JAMA - Journal of the American Medical Association, 2022, 327, 2198.	3.8	1
119	Role of Preoperative Variables in Reducing the Rate of Occult Invasive Disease for Women Considering Active Surveillance for Ductal Carcinoma In Situ. JAMA Surgery, 2018, 153, 290.	2.2	0
120	Screening for Breast Cancer in Average-Risk Women. Annals of Internal Medicine, 2019, 171, 450.	2.0	0
121	Response by Authors to Comments on Aminololama-Shakeri et al, "Screening Guidelines and Supplemental Screening Tools: Assessment of the Adequacy of Patient-Provider Discussion". Journal of Breast Imaging, 2019, 1, 277-277.	0.5	0
122	Breast Cancer Screening and Health Care Costs. JAMA Internal Medicine, 2020, 180, 1552.	2.6	0
123	Editorial for "Harmonization of Quantitative Parenchymal Enhancement in T1-Weighted Breast MRI". Journal of Magnetic Resonance Imaging, 2020, 52, 1383-1384.	1.9	0
124	Multimodality Imaging of Ductal Carcinoma In Situ. Current Breast Cancer Reports, 2020, 12, 26-35.	0.5	0
125	Breast Imaging: Screening for New Breast Cancers and for Cancer Recurrence. , 2021, , 11-23.		0
126	Disparities in surveillance imaging after breast conserving surgery for primary DCIS.. Journal of Clinical Oncology, 2021, 39, 6516-6516.	0.8	0



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127	Can the use of deception be justified in medical education research? A point/counterpoint and case study. <i>Academic Radiology</i> , 2021, , .	1.3	0
128	Identification of error making patterns in lesion detection on digital breast tomosynthesis using computer-extracted image features. , 2016, , .		0
129	Association of high proliferation marker Ki-67 expression with DCEMR imaging features of breast: a large scale evaluation. , 2018, , .		0
130	Role of digital breast tomosynthesis in the evaluation of focal breast pain. <i>Clinical Imaging</i> , 2022, 82, 73-76.	0.8	0
131	Letter to the Editor - "Is it ethical to incentivize mammography screening in Medicaid populations? " A policy review and conceptual analysis" <i>Preventive Medicine</i> , 2022, 154, 106568.	1.6	0
132	Finding Inspiration in the Future of Radiology: Looking Beyond the Pandemic. <i>Journal of the American College of Radiology</i> , 2022, 19, 319-320.	0.9	0
133	More Than Incremental: Harnessing Machine Learning to Predict Breast Cancer Risk. <i>Journal of Clinical Oncology</i> , 2022, , JCO2102733.	0.8	0