

# Mark A Helvie

## List of Publications by Year in descending order

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45  
papers

2,105  
citations

331670

21  
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254184

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45  
docs citations

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times ranked

2442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retrospective Review of a Mobile Mammography Screening Program in an Underserved Population within a Large Metropolitan Area. <i>Academic Radiology</i> , 2022, 29, S173-S179.	2.5	7
2	Effect of Dose Level on Radiologists'™ Detection of Microcalcifications in Digital Breast Tomosynthesis: An Observer Study with Breast Phantoms. <i>Academic Radiology</i> , 2022, 29, S42-S49.	2.5	3
3	Breast cancer screening in average and high-risk women. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2022, 83, 3-14.	2.8	11
4	Overdiagnosis and Risks of Breast Cancer Screening. <i>Radiologic Clinics of North America</i> , 2021, 59, 19-27.	1.8	18
5	Risks of feature leakage and sample size dependencies in deep feature extraction for breast mass classification. <i>Medical Physics</i> , 2021, 48, 2827-2837.	3.0	16
6	Breast Cancer Mortality Rates Have Stopped Declining in U.S. Women Younger than 40 Years. <i>Radiology</i> , 2021, 299, 143-149.	7.3	39
7	Digital Mammography Has Persistently Increased High-Grade and Overall DCIS Detection Without Altering Upgrade Rate. <i>American Journal of Roentgenology</i> , 2021, 216, 912-918.	2.2	5
8	Using Single-View Wide-Angle DBT with AI for Breast Cancer Screening. <i>Radiology</i> , 2021, 300, 537-538.	7.3	2
9	Digital Breast Tomosynthesis Slab Thickness: Impact on Reader Performance and Interpretation Time. <i>Radiology</i> , 2020, 297, 534-542.	7.3	5
10	Prospective Imaging Trial Assessing Gadoteridol Retention in the Deep Brain Nuclei of Women Undergoing Breast MRI. <i>Academic Radiology</i> , 2020, 27, 1734-1741.	2.5	4
11	Automated pectoral muscle identification on <sc>MLO</sc>-view mammograms: Comparison of deep neural network to conventional computer vision. <i>Medical Physics</i> , 2019, 46, 2103-2114.	3.0	10
12	Breast cancer deaths averted over 3 decades. <i>Cancer</i> , 2019, 125, 1482-1488.	4.1	86
13	Deep Learning for Mammographic Breast Density Assessment and Beyond. <i>Radiology</i> , 2019, 290, 59-60.	7.3	9
14	Reply to Opportunity cost of annual screening mammography. <i>Cancer</i> , 2018, 124, 1298-1299.	4.1	0
15	Reply to Distinguishing between CISNET model results versus CISNET models. <i>Cancer</i> , 2018, 124, 1084-1084.	4.1	0
16	Breast Imaging Outcomes following Abnormal Thermography. <i>Academic Radiology</i> , 2018, 25, 273-278.	2.5	9
17	Current Issues in the Overdiagnosis and Overtreatment of Breast Cancer. <i>American Journal of Roentgenology</i> , 2018, 210, 285-291.	2.2	41
18	Harms of Restrictive Risk-Based Mammographic Breast Cancer Screening. <i>American Journal of Roentgenology</i> , 2018, 210, 228-234.	2.2	11

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19	Assessment of mammographic breast density after sleeve gastrectomy. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 1643-1651.	1.2	3
20	Comparison of recommendations for screening mammography using CISNET models. <i>Cancer</i> , 2017, 123, 3673-3680.	4.1	79
21	Characterization of Breast Masses in Digital Breast Tomosynthesis and Digital Mammograms. <i>Academic Radiology</i> , 2017, 24, 1372-1379.	2.5	22
22	Mass detection in digital breast tomosynthesis: Deep convolutional neural network with transfer learning from mammography. <i>Medical Physics</i> , 2016, 43, 6654-6666.	3.0	232
23	A Similarity Study of Interactive Content-Based Image Retrieval Scheme for Classification of Breast Lesions. <i>IEICE Transactions on Information and Systems</i> , 2016, E99.D, 1663-1670.	0.7	1
24	Does Direct Radiologist-Patient Verbal Communication Affect Follow-Up Compliance of Probably Benign Assessments?. <i>Journal of the American College of Radiology</i> , 2016, 13, 279-285.	1.8	3
25	Surgical biopsy is still necessary for BI-RADS 4 calcifications found on digital mammography that are technically too faint for stereotactic core biopsy. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 557-561.	2.5	3
26	Reply to flawed assumptions used to defend screening mammography. <i>Cancer</i> , 2015, 121, 321-323.	4.1	2
27	Novel Associations between Common Breast Cancer Susceptibility Variants and Risk-Predicting Mammographic Density Measures. <i>Cancer Research</i> , 2015, 75, 2457-2467.	0.9	55
28	Computer-aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. <i>Medical Physics</i> , 2014, 41, 021901.	3.0	25
29	Multichannel response analysis on 2D projection views for detection of clustered microcalcifications in digital breast tomosynthesis. <i>Medical Physics</i> , 2014, 41, 041913.	3.0	17
30	Genome-wide association study identifies multiple loci associated with both mammographic density and breast cancer risk. <i>Nature Communications</i> , 2014, 5, 5303.	12.8	109
31	Reduction in late-stage breast cancer incidence in the mammography era: Implications for overdiagnosis of invasive cancer. <i>Cancer</i> , 2014, 120, 2649-2656.	4.1	101
32	Digital Mammography Imaging: Breast Tomosynthesis and Advanced Applications. <i>Radiologic Clinics of North America</i> , 2010, 48, 917-929.	1.8	170
33	Improving Mammographic Interpretation: Double Reading and Computer-Aided Diagnosis. <i>Radiologic Clinics of North America</i> , 2007, 45, 801-811.	1.8	19
34	Sensitivity of Noncommercial Computer-aided Detection System for Mammographic Breast Cancer Detection: Pilot Clinical Trial. <i>Radiology</i> , 2004, 231, 208-214.	7.3	107
35	Mammographic Screening of TRAM Flap Breast Reconstructions for Detection of Nonpalpable Recurrent Cancer. <i>Radiology</i> , 2002, 224, 211-216.	7.3	81
36	Improvement of mammographic mass characterization using spiculation measures and morphological features. <i>Medical Physics</i> , 2001, 28, 1455-1465.	3.0	166

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37	Automated registration of breast lesions in temporal pairs of mammograms for interval change analysis-local affine transformation for improved localization. Medical Physics, 2001, 28, 1070-1079.	3.0	29
38	A regional registration technique for automated interval change analysis of breast lesions on mammograms. Medical Physics, 1999, 26, 2669-2679.	3.0	41
39	Linear motion correction in three dimensions applied to dynamic gadolinium enhanced breast imaging. Medical Physics, 1999, 26, 707-714.	3.0	16
40	Design and evaluation of an external filter technique for exposure equalization in mammography. Medical Physics, 1999, 26, 1655-1669.	3.0	5
41	Extent of Lumpectomy for Breast Cancer After Diagnosis by Stereotactic Core Versus Wire Localization Biopsy. Annals of Surgical Oncology, 1999, 6, 330-335.	1.5	29
42	Computerized analysis of mammographic microcalcifications in morphological and texture feature spaces. Medical Physics, 1998, 25, 2007-2019.	3.0	184
43	False-positive reduction technique for detection of masses on digital mammograms: Global and local multiresolution texture analysis. Medical Physics, 1997, 24, 903-914.	3.0	52
44	Computer-aided detection of mammographic microcalcifications: Pattern recognition with an artificial neural network. Medical Physics, 1995, 22, 1555-1567.	3.0	180
45	Classification of mass and normal breast tissue on digital mammograms: Multiresolution texture analysis. Medical Physics, 1995, 22, 1501-1513.	3.0	98