

Elizabeth S Burnside

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

3,198
citations

29
h-index

52
g-index

146
ext. papers

3,965
ext. citations

5.9
avg, IF

4.96
L-index

#	Paper	IF	Citations
140	Quantitative breast density analysis to predict interval and node-positive cancers in pursuit of improved screening protocols: a case-control study. <i>British Journal of Cancer</i> , 2021 , 125, 884-892	8.7	4
139	Risk of Late-Onset Breast Cancer in Genetically Predisposed Women. <i>Journal of Clinical Oncology</i> , 2021 , 39, 3430-3440	2.2	3
138	A Population-Based Study of Genes Previously Implicated in Breast Cancer. <i>New England Journal of Medicine</i> , 2021 , 384, 440-451	59.2	115
137	Risk of Breast Cancer Among Carriers of Pathogenic Variants in Breast Cancer Predisposition Genes Varies by Polygenic Risk Score. <i>Journal of Clinical Oncology</i> , 2021 , 39, 2564-2573	2.2	12
136	Preliminary Evaluation of a Breast Cancer Screening Shared Decision-Making Aid Utilized Within the Primary Care Clinical Encounter. <i>Journal of Patient Experience</i> , 2021 , 8, 23743735211034039	1.3	0
135	Cancer Yield and Patterns of Follow-up for BI-RADS Category 3 after Screening Mammography Recall in the National Mammography Database. <i>Radiology</i> , 2020 , 296, 32-41	20.5	14
134	Modeling the natural history of ductal carcinoma in situ based on population data. <i>Breast Cancer Research</i> , 2020 , 22, 53	8.3	10
133	Core Elements of Shared Decision-making for Women Considering Breast Cancer Screening: Results of a Modified Delphi Survey. <i>Journal of General Internal Medicine</i> , 2020 , 35, 1668-1677	4	6
132	Image-based screening for men at high risk for breast cancer: Benefits and drawbacks. <i>Clinical Imaging</i> , 2020 , 60, 84-89	2.7	5
131	Framing the Clinical Encounter: Shared Decision-Making, Mammography Screening, and Decision Satisfaction. <i>Journal of Health Communication</i> , 2020 , 25, 681-691	2.5	0
130	Long-Term Outcomes and Cost-Effectiveness of Breast Cancer Screening With Digital Breast Tomosynthesis in the United States. <i>Journal of the National Cancer Institute</i> , 2020 , 112, 582-589	9.7	23
129	Enhancing reproducibility using interprofessional team best practices. <i>Journal of Clinical and Translational Science</i> , 2020 , 5, e20	0.4	4
128	Operationalization, implementation, and evaluation of Collaboration Planning: A pilot interventional study of nascent translational teams. <i>Journal of Clinical and Translational Science</i> , 2020 , 5, e23	0.4	5
127	A Probabilistic Model to Support Radiologists' Classification Decisions in Mammography Practice. <i>Medical Decision Making</i> , 2019 , 39, 208-216	2.5	0
126	Breast Cancer Screening in Primary Care: A Call for Development and Validation of Patient-Oriented Shared Decision-Making Tools. <i>Journal of Women's Health</i> , 2019 , 28, 114-116	3	7
125	Linkage of the ACR National Mammography Database to the Network of State Cancer Registries: Proof of Concept Evaluation by the ACR National Mammography Database Committee. <i>Journal of the American College of Radiology</i> , 2019 , 16, 8-14	3.5	4
124	Relationships Between Human-Extracted MRI Tumor Phenotypes of Breast Cancer and Clinical Prognostic Indicators Including Receptor Status and Molecular Subtype. <i>Current Problems in Diagnostic Radiology</i> , 2019 , 48, 467-472	1.6	7

123	Age-based versus Risk-based Mammography Screening in Women 40-49 Years Old: A Cross-sectional Study. <i>Radiology</i> , 2019 , 292, 321-328	20.5	8
122	Comparison of screening full-field digital mammography and digital breast tomosynthesis technical recalls. <i>Journal of Medical Imaging</i> , 2019 , 6, 031403	2.6	
121	BPI19-012: Differences in Stakeholder Perspectives Regarding Key Components of Shared Decision-Making for Mammography in Breast Cancer Screening for Women Ages 40-50. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2019 , 17, BPI19-012	7.3	
120	Association between Screening Mammography Recall Rate and Interval Cancers in the UK Breast Cancer Service Screening Program: A Cohort Study. <i>Radiology</i> , 2018 , 288, 47-54	20.5	11
119	USING FINITE-HORIZON MARKOV DECISION PROCESSES FOR OPTIMIZING POST-MAMMOGRAPHY DIAGNOSTIC DECISIONS 2018 , 183-200		1
118	ACR BI-RADS Assessment Category 4 Subdivisions in Diagnostic Mammography: Utilization and Outcomes in the National Mammography Database. <i>Radiology</i> , 2018 , 287, 416-422	20.5	25
117	Urinary Magnesium and Other Elements in Relation to Mammographic Breast Density, a Measure of Breast Cancer Risk. <i>Nutrition and Cancer</i> , 2018 , 70, 441-446	2.8	4
116	Proposing New RadLex Terms by Analyzing Free-Text Mammography Reports. <i>Journal of Digital Imaging</i> , 2018 , 31, 596-603	5.3	7
115	Comparing CISNET Breast Cancer Incidence and Mortality Predictions to Observed Clinical Trial Results of Mammography Screening from Ages 40 to 49. <i>Medical Decision Making</i> , 2018 , 38, 140S-150S	2.5	11
114	Modeling Ductal Carcinoma In Situ (DCIS): An Overview of CISNET Model Approaches. <i>Medical Decision Making</i> , 2018 , 38, 126S-139S	2.5	17
113	Key Elements of Mammography Shared Decision-Making: a Scoping Review of the Literature. <i>Journal of General Internal Medicine</i> , 2018 , 33, 1805-1814	4	11
112	Quantifying predictive capability of electronic health records for the most harmful breast cancer. <i>Proceedings of SPIE</i> , 2018 , 10577,	1.7	2
111	Utility of Genetic Testing in Addition to Mammography for Determining Risk of Breast Cancer Depends on Patient Age. <i>AMIA Summits on Translational Science Proceedings</i> , 2018 , 2017, 81-90	1.1	2
110	Improving breast cancer risk prediction by using demographic risk factors, abnormality features on mammograms and genetic variants 2018 , 2018, 1253-1262	0.7	
109	Comparative effectiveness of incorporating a hypothetical DCIS prognostic marker into breast cancer screening. <i>Breast Cancer Research and Treatment</i> , 2018 , 168, 229-239	4.4	2
108	Preference-Sensitive Management of Post-Mammography Decisions in Breast Cancer Diagnosis. <i>Production and Operations Management</i> , 2018 , 27, 2313-2338	3.6	3
107	High-dimensional regression analysis links magnetic resonance imaging features and protein expression and signaling pathway alterations in breast invasive carcinoma. <i>Oncoscience</i> , 2018 , 5, 39-48	0.8	1
106	A National Study of the Use of Asymptomatic Systemic Imaging for Surveillance Following Breast Cancer Treatment (AFT-01). <i>Annals of Surgical Oncology</i> , 2018 , 25, 2587-2595	3.1	4

105	Mammography Screening: Gaps in Patient's and Physician's Needs for Shared Decision-Making. <i>Breast Journal</i> , 2017 , 23, 210-214	1.2	11
104	Association of Patient Age With Outcomes of Current-Era, Large-Scale Screening Mammography: Analysis of Data From the National Mammography Database. <i>JAMA Oncology</i> , 2017 , 3, 1134-1136	13.4	31
103	Utility of BI-RADS Assessment Category 4 Subdivisions for Screening Breast MRI. <i>American Journal of Roentgenology</i> , 2017 , 208, 1392-1399	5.4	19
102	Screening Breast MRI Outcomes in Routine Clinical Practice: Comparison to BI-RADS Benchmarks. <i>Academic Radiology</i> , 2017 , 24, 411-417	4.3	25
101	Breast MRI radiomics: comparison of computer- and human-extracted imaging phenotypes. <i>European Radiology Experimental</i> , 2017 , 1, 22	4.5	22
100	2017 ,		4
99	Mammography Performance Benchmarks in an Era of Value-based Care. <i>Radiology</i> , 2017 , 284, 605-607	20.5	1
98	Using Collaborative Simulation Modeling to Develop a Web-Based Tool to Support Policy-Level Decision Making About Breast Cancer Screening Initiation Age. <i>MDM Policy and Practice</i> , 2017 , 2,	1.5	6
97	Quantitative MRI radiomics in the prediction of molecular classifications of breast cancer subtypes in the TCGA/TCIA data set. <i>Npj Breast Cancer</i> , 2016 , 2,	7.8	200
96	A Speech-to-Text Interface for MammoClass 2016 ,		1
95	Discriminatory power of common genetic variants in personalized breast cancer diagnosis. <i>Proceedings of SPIE</i> , 2016 , 9787,	1.7	2
94	A Utility/Cost Analysis of Breast Cancer Risk Prediction Algorithms. <i>Proceedings of SPIE</i> , 2016 , 9787,	1.7	1
93	A history of breast cancer and older age allow risk stratification of mammographic BI-RADS 3 ratings in the diagnostic setting. <i>Clinical Imaging</i> , 2016 , 40, 200-4	2.7	4
92	Comparing Mammography Abnormality Features to Genetic Variants in the Prediction of Breast Cancer in Women Recommended for Breast Biopsy. <i>Academic Radiology</i> , 2016 , 23, 62-9	4.3	7
91	The National Mammography Database: Preliminary Data. <i>American Journal of Roentgenology</i> , 2016 , 206, 883-90	5.4	45
90	Structure-Leveraged Methods in Breast Cancer Risk Prediction. <i>Journal of Machine Learning Research</i> , 2016 , 17,	28.6	4
89	Anleitung/Hilfestellung 2016 , 131-154		
88	Using automatically extracted information from mammography reports for decision-support. <i>Journal of Biomedical Informatics</i> , 2016 , 62, 224-31	10.2	24

87	Using computer-extracted image phenotypes from tumors on breast magnetic resonance imaging to predict breast cancer pathologic stage. <i>Cancer</i> , 2016 , 122, 748-57	6.4	48
86	Interpretable models to predict Breast Cancer 2016 ,		5
85	Utility of Clinical Breast Examinations in Detecting Local-Regional Breast Events After Breast-Conservation in Women with a Personal History of High-Risk Breast Cancer. <i>Annals of Surgical Oncology</i> , 2016 , 23, 3385-91	3.1	3
84	Development of an online, publicly accessible naive Bayesian decision support tool for mammographic mass lesions based on the American College of Radiology (ACR) BI-RADS lexicon. <i>European Radiology</i> , 2015 , 25, 1768-75	8	14
83	Prediction of clinical phenotypes in invasive breast carcinomas from the integration of radiomics and genomics data. <i>Journal of Medical Imaging</i> , 2015 , 2, 041007	2.6	99
82	Developing a utility decision framework to evaluate predictive models in breast cancer risk estimation. <i>Journal of Medical Imaging</i> , 2015 , 2, 041005	2.6	2
81	External validation of a publicly available computer assisted diagnostic tool for mammographic mass lesions with two high prevalence research datasets. <i>Medical Physics</i> , 2015 , 42, 4987-96	4.4	6
80	Predicting malignancy from mammography findings and image-guided core biopsies. <i>International Journal of Data Mining and Bioinformatics</i> , 2015 , 11, 257-76	0.5	7
79	SKILL - A Stochastic Inductive Logic Learner 2015 ,		6
78	Developing a clinical utility framework to evaluate prediction models in radiogenomics. <i>Proceedings of SPIE</i> , 2015 , 9416,	1.7	3
77	Leveraging Expert Knowledge to Improve Machine-Learned Decision Support Systems. <i>AMIA Summits on Translational Science Proceedings</i> , 2015 , 2015, 87-91	1.1	2
76	Leveraging Interaction between Genetic Variants and Mammographic Findings for Personalized Breast Cancer Diagnosis. <i>AMIA Summits on Translational Science Proceedings</i> , 2015 , 2015, 107-11	1.1	1
75	Effects of screening and systemic adjuvant therapy on ER-specific US breast cancer mortality. <i>Journal of the National Cancer Institute</i> , 2014 , 106,	9.7	92
74	Predicting invasive breast cancer versus DCIS in different age groups. <i>BMC Cancer</i> , 2014 , 14, 584	4.8	7
73	Healthcare Intelligence: Turning Data into Knowledge. <i>IEEE Intelligent Systems</i> , 2014 , 29, 54-68	4.2	20
72	CT Colonography Reporting and Data System (C-RADS): benchmark values from a clinical screening program. <i>American Journal of Roentgenology</i> , 2014 , 202, 1232-7	5.4	45
71	Developing a comprehensive database management system for organization and evaluation of mammography datasets. <i>Cancer Informatics</i> , 2014 , 13, 53-62	2.4	7
70	Addressing the challenge of assessing physician-level screening performance: mammography as an example. <i>PLoS ONE</i> , 2014 , 9, e89418	3.7	7

69	ExpertBayes: Automatically refining manually built Bayesian networks 2014 , 2014, 362-366		2
68	Pursuing optimal thresholds to recommend breast biopsy by quantifying the value of tomosynthesis. <i>Proceedings of SPIE</i> , 2014 , 9037, 90370U	1.7	3
67	Online support: Impact on anxiety in women who experience an abnormal screening mammogram. <i>Breast</i> , 2014 , 23, 743-8	3.6	8
66	Multiple Testing under Dependence via Semiparametric Graphical Models. <i>JMLR Workshop and Conference Proceedings</i> , 2014 , 32, 955-963		1
65	Opportunities for Operations Research in Medical Decision Making. <i>IEEE Intelligent Systems</i> , 2014 , 29, 59-62	4.2	2
64	New genetic variants improve personalized breast cancer diagnosis. <i>AMIA Summits on Translational Science Proceedings</i> , 2014 , 2014, 83-9	1.1	13
63	Comparing the value of mammographic features and genetic variants in breast cancer risk prediction 2014 , 2014, 1228-37	0.7	4
62	A novel method to assess incompleteness of mammography reports 2014 , 2014, 1758-67	0.7	
61	Support Vector Machines for Differential Prediction. <i>Lecture Notes in Computer Science</i> , 2014 , 8725, 50-65.9		13
60	Circulating serum xenoestrogens and mammographic breast density. <i>Breast Cancer Research</i> , 2013 , 15, R45	8.3	65
59	Using Machine Learning to Identify Benign Cases with Non-Definitive Biopsy 2013 , 2013, 283-285		5
58	A comprehensive methodology for determining the most informative mammographic features. <i>Journal of Digital Imaging</i> , 2013 , 26, 941-7	5.3	19
57	Optimal Policies for Reducing Unnecessary Follow-up Mammography Exams in Breast Cancer Diagnosis. <i>Decision Analysis</i> , 2013 , 10, 200-224	1.2	20
56	Variation in diagnostic performance among radiologists at screening CT colonography. <i>Radiology</i> , 2013 , 268, 127-34	20.5	23
55	Artificial neural networks in mammography interpretation and diagnostic decision making. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 832509	2.8	24
54	Genetic variants improve breast cancer risk prediction on mammograms 2013 , 2013, 876-85	0.7	10
53	Score As You Lift (SAYL): A Statistical Relational Learning Approach to Uplift Modeling. <i>Lecture Notes in Computer Science</i> , 2013 , 8190, 595-611	0.9	6
52	The vitamin D pathway and mammographic breast density among postmenopausal women. <i>Breast Cancer Research and Treatment</i> , 2012 , 131, 255-65	4.4	17

51	Extracting BI-RADS Features from Portuguese Clinical Texts 2012 , 1-4	0.8	10
50	Impact of axillary ultrasound and core needle biopsy on the utility of intraoperative frozen section analysis and treatment decision making in women with invasive breast cancer. <i>American Journal of Surgery</i> , 2012 , 204, 308-14	2.7	20
49	What is the optimal threshold at which to recommend breast biopsy?. <i>PLoS ONE</i> , 2012 , 7, e48820	3.7	14
48	A Collective Ranking Method for Genome-wide Association Studies 2012 , 2012, 313-320		
47	Mammographic breast density and serum phytoestrogen levels. <i>Nutrition and Cancer</i> , 2012 , 64, 783-9	2.8	5
46	The Effect of Budgetary Restrictions on Breast Cancer Diagnostic Decisions. <i>Manufacturing and Service Operations Management</i> , 2012 , 14, 600-617	4.6	32
45	Automatic classification of mammography reports by BI-RADS breast tissue composition class. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 913-6	8.6	34
44	Logical Differential Prediction Bayes Net, improving breast cancer diagnosis for older women 2012 , 2012, 1330-9	0.7	4
43	Relational Differential Prediction. <i>Lecture Notes in Computer Science</i> , 2012 , 617-632	0.9	4
42	Circulating sex hormones and mammographic breast density among postmenopausal women. <i>Hormones and Cancer</i> , 2011 , 2, 62-72	5	26
41	Predicting Malignancy from Mammography Findings and Surgical Biopsies 2011 , 2011,	0.8	2
40	The mammographic density of a mass is a significant predictor of breast cancer. <i>Radiology</i> , 2011 , 258, 417-25	20.5	30
39	Utility of 6-month follow-up imaging after a concordant benign breast biopsy result. <i>Radiology</i> , 2011 , 258, 380-7	20.5	27
38	Axial-shear strain imaging for differentiating benign and malignant breast masses. <i>Ultrasound in Medicine and Biology</i> , 2010 , 36, 1813-24	3.5	40
37	Optimal Breast Biopsy Decision-Making Based on Mammographic Features and Demographic Factors. <i>Operations Research</i> , 2010 , 58, 1577-1591	2.3	60
36	Informatics in radiology: comparison of logistic regression and artificial neural network models in breast cancer risk estimation. <i>Radiographics</i> , 2010 , 30, 13-22	5.4	96
35	Computer-aided diagnostic models in breast cancer screening. <i>Imaging in Medicine</i> , 2010 , 2, 313-323	1	34
34	Uncovering age-specific invasive and DCIS breast cancer rules using inductive logic programming 2010 ,		9

33	Validation of results from knowledge discovery: mass density as a predictor of breast cancer. <i>Journal of Digital Imaging</i> , 2010 , 23, 554-61	5.3	11
32	Socioeconomic disparities in the decline in invasive breast cancer incidence. <i>Breast Cancer Research and Treatment</i> , 2010 , 122, 873-8	4.4	14
31	Breast cancer risk estimation with artificial neural networks revisited: discrimination and calibration. <i>Cancer</i> , 2010 , 116, 3310-21	6.4	76
30	Boosting First-Order Clauses for Large, Skewed Data Sets. <i>Lecture Notes in Computer Science</i> , 2010 , 166-177	6.7	177
29	A logistic regression model based on the national mammography database format to aid breast cancer diagnosis. <i>American Journal of Roentgenology</i> , 2009 , 192, 1117-27	5.4	57
28	Probabilistic computer model developed from clinical data in national mammography database format to classify mammographic findings. <i>Radiology</i> , 2009 , 251, 663-72	20.5	69
27	Toward best practices in radiology reporting. <i>Radiology</i> , 2009 , 252, 852-6	20.5	151
26	Fluorescence spectroscopy: an adjunct diagnostic tool to image-guided core needle biopsy of the breast. <i>IEEE Transactions on Biomedical Engineering</i> , 2009 , 56, 2518-28	5	19
25	Information Extraction for Clinical Data Mining: A Mammography Case Study. <i>IEEE International Conference on Data Mining</i> , 2009 , 37-42		39
24	The ACR BI-RADS experience: learning from history. <i>Journal of the American College of Radiology</i> , 2009 , 6, 851-60	3.5	188
23	Differentiating benign from malignant solid breast masses with US strain imaging. <i>Radiology</i> , 2007 , 245, 401-10	20.5	241
22	Use of microcalcification descriptors in BI-RADS 4th edition to stratify risk of malignancy. <i>Radiology</i> , 2007 , 242, 388-95	20.5	137
21	Feasibility of near-infrared diffuse optical spectroscopy on patients undergoing imageguided core-needle biopsy. <i>Optics Express</i> , 2007 , 15, 7335-50	3.3	11
20	Bayesian network to predict breast cancer risk of mammographic microcalcifications and reduce number of benign biopsy results: initial experience. <i>Radiology</i> , 2006 , 240, 666-73	20.5	77
19	American College Of Radiology/Society of Breast Imaging curriculum for resident and fellow education in breast imaging. <i>Journal of the American College of Radiology</i> , 2006 , 3, 879-84	3.5	15
18	Bayesian networks: computer-assisted diagnosis support in radiology. <i>Academic Radiology</i> , 2005 , 12, 422-30	4.3	25
17	A Bayesian Network to Assist Mammography Interpretation 2005 , 695-720		2
16	The use of batch reading to improve the performance of screening mammography. <i>American Journal of Roentgenology</i> , 2005 , 185, 790-6	5.4	41

15	Knowledge discovery from structured mammography reports using inductive logic programming 2005 , 96-100	0.7	11
14	An Integrated Approach to Learning Bayesian Networks of Rules. <i>Lecture Notes in Computer Science</i> , 2005 , 84-95	0.9	20
13	A probabilistic expert system that provides automated mammographic-histologic correlation: initial experience. <i>American Journal of Roentgenology</i> , 2004 , 182, 481-8	5.4	19
12	A preliminary report on the role of spatial frequency analysis in the perception of breast cancers missed at mammography screening. <i>Academic Radiology</i> , 2004 , 11, 894-908	4.3	10
11	The effects of training parameters on learning a probabilistic expert system for mammography. <i>International Congress Series</i> , 2004 , 1268, 1027-1032		
10	Improving a Bayesian network's ability to predict the probability of malignancy of microcalcifications on mammography. <i>International Congress Series</i> , 2004 , 1268, 1021-1026		2
9	Using a Bayesian network to predict the probability and type of breast cancer represented by microcalcifications on mammography. <i>Studies in Health Technology and Informatics</i> , 2004 , 107, 13-7	0.5	10
8	Differential value of comparison with previous examinations in diagnostic versus screening mammography. <i>American Journal of Roentgenology</i> , 2002 , 179, 1173-7	5.4	66
7	Interpreting data from audits when screening and diagnostic mammography outcomes are combined. <i>American Journal of Roentgenology</i> , 2002 , 178, 681-6	5.4	30
6	Movement of a biopsy-site marker clip after completion of stereotactic directional vacuum-assisted breast biopsy: case report. <i>Radiology</i> , 2001 , 221, 504-7	20.5	32
5	The impact of alternative practices on the cost and quality of mammographic screening in the United States. <i>Clinical Breast Cancer</i> , 2001 , 2, 145-52	3	23
4	Double-exposure artifact mimicking a cervical spine fracture on computed radiography. <i>American Journal of Roentgenology</i> , 2000 , 174, 264	5.4	3
3	Merrill C. Sosman Lecture. Surviving managed care. <i>American Journal of Roentgenology</i> , 1997 , 169, 3-10	5.4	1
2	Cost benefits of picture archiving and communications systems. <i>Academic Radiology</i> , 1996 , 3 Suppl 1, S72-4	4.3	4
1	Preference-Sensitive Management of Post-Mammography Decisions in Breast Cancer Diagnosis. <i>SSRN Electronic Journal</i> ,	1	1