Peter Bult

List of Publications by Year
in descending order

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129 papers	16,302 citations	87723 38 h-index	19136 118 g-index
131 all docs	131 docs citations	131 times ranked	28817 citing authors

#	Article	IF	Citations
1	Signatures of mutational processes in human cancer. Nature, 2013, 500, 415-421.	13.7	8,060
2	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	3.8	2,003
3	Deep learning as a tool for increased accuracy and efficiency of histopathological diagnosis. Scientific Reports, 2016, 6, 26286.	1.6	764
4	Micrometastases or Isolated Tumor Cells and the Outcome of Breast Cancer. New England Journal of Medicine, 2009, 361, 653-663.	13.9	460
5	Magnetic Resonance Imaging and Mammography in Women With a Hereditary Risk of Breast Cancer. Journal of the National Cancer Institute, 2001, 93, 1095-1102.	3.0	306
6	From Detection of Individual Metastases to Classification of Lymph Node Status at the Patient Level: The CAMELYON17 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 550-560.	5.4	269
7	1399 H&E-stained sentinel lymph node sections of breast cancer patients: the CAMELYON dataset. GigaScience, 2018, 7, .	3.3	221
8	Breast Cancer Prognosis and Occult Lymph Node Metastases, Isolated Tumor Cells, and Micrometastases. Journal of the National Cancer Institute, 2010, 102, 410-425.	3.0	215
9	Cellâ€“cell adhesion and 3D matrix confinement determine jamming transitions in breast cancer invasion. Nature Cell Biology, 2020, 22, 1103-1115.	4.6	209
10	Three dimensional imaging of mammary ductal carcinoma in situ: clinical implications. Seminars in Diagnostic Pathology, 1994, 11, 193-8.	1.0	200
11	TRPM7 Is Required for Breast Tumor Cell Metastasis. Cancer Research, 2012, 72, 4250-4261.	0.4	186
12	Whole-Slide Mitosis Detection in H&E Breast Histology Using PHH3 as a Reference to Train Distilled Stain-Invariant Convolutional Networks. IEEE Transactions on Medical Imaging, 2018, 37, 2126-2136.	5.4	184
13	The impact of preoperative breast MRI on the re-excision rate in invasive lobular carcinoma of the breast. Breast Cancer Research and Treatment, 2010, 119, 415-422.	1.1	180
14	High Prevalence of Premalignant Lesions in Prophylactically Removed Breasts From Women at Hereditary Risk for Breast Cancer. Journal of Clinical Oncology, 2003, 21, 41-45.	0.8	136
15	Context-aware stacked convolutional neural networks for classification of breast carcinomas in whole-slide histopathology images. Journal of Medical Imaging, 2017, 4, 1.	0.8	126
16	The Role of MRI in Invasive Lobular Carcinoma. Breast Cancer Research and Treatment, 2004, 86, 31-37.	1.1	121
17	The value of magnetic resonance imaging in diagnosis and size assessment of in situ and small invasive breast carcinoma. American Journal of Surgery, 2006, 192, 172-178.	0.9	106
18	Non-Sentinel Lymph Node Metastases Associated With Isolated Breast Cancer Cells in the Sentinel Node. Journal of the National Cancer Institute, 2008, 100, 1574-1580.	3.0	99

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19	Regional Recurrence in Breast Cancer Patients With Sentinel Node Micrometastases and Isolated Tumor Cells. Annals of Surgery, 2012, 255, 116-121.	2.1	93
20	Artificial Intelligenceâ€“Based Classification of Breast Lesions Imaged With a Multiparametric Breast MRI Protocol With Ultrafast DCE-MRI, T2, and DWI. Investigative Radiology, 2019, 54, 325-332.	3.5	90
21	Local Recurrence after Breast-Conserving Therapy in Relation to Gene Expression Patterns in a Large Series of Patients. Clinical Cancer Research, 2009, 15, 4181-4190.	3.2	78
22	US correlation for MRI-detected breast lesions in women with familial risk of breast cancer. Clinical Radiology, 2005, 60, 801-806.	0.5	69
23	Nuclear localization of the transcriptional coactivator YAP is associated with invasive lobular breast cancer. Cellular Oncology (Dordrecht), 2013, 36, 375-384.	2.1	69
24	Deep learning assisted mitotic counting for breast cancer. Laboratory Investigation, 2019, 99, 1596-1606.	1.7	69
25	Interobserver variability and the effect of education in the histopathological diagnosis of differentiated vulvar intraepithelial neoplasia. Modern Pathology, 2013, 26, 874-880.	2.9	68
26	Automated Detection of DCIS in Whole-Slide H&E Stained Breast Histopathology Images. IEEE Transactions on Medical Imaging, 2016, 35, 2141-2150.	5.4	68
27	Malignant adenomyoepithelioma of the breast with metastasis in the thyroid gland 12 years after excision of the primary tumor. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2000, 436, 158-166.	1.4	67
28	Time to enhancement derived from ultrafast breast MRI as a novel parameter to discriminate benign from malignant breast lesions. European Journal of Radiology, 2017, 89, 90-96.	1.2	66
29	Collective invasion in ductal and lobular breast cancer associates with distant metastasis. Clinical and Experimental Metastasis, 2017, 34, 421-429.	1.7	66
30	Micro-metastases in axillary lymph nodes: an increasing classification and treatment dilemma in breast cancer due to the introduction of the sentinel lymph node procedure. Breast Cancer Research and Treatment, 2001, 70, 81-88.	1.1	63
31	Intravital microscopy of collective invasion plasticity in breast cancer. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	62
32	Surveillance of Women with the BRCA1 or BRCA2 Mutation by Using Biannual Automated Breast US, MR Imaging, and Mammography. Radiology, 2017, 285, 376-388.	3.6	61
33	Vulvar cancer: Two pathways with different localization and prognosis. Gynecologic Oncology, 2018, 149, 310-317.	0.6	60
34	Risk Factors for Non-Sentinel Lymph Node Metastases in Patients with Breast Cancer. The Outcome of a Multi-institutional Study. Annals of Surgical Oncology, 2007, 14, 181-189.	0.7	53
35	Characterizing steroid hormone receptor chromatin binding landscapes in male and female breast cancer. Nature Communications, 2018, 9, 482.	5.8	50
36	Influence of Risk Category and Screening Round on the Performance of an MR Imaging and Mammography Screening Program in Carriers of the BRCA Mutation and Other Women at Increased Risk. Radiology, 2018, 286, 443-451.	3.6	48

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37	Immunoperoxidase staining for identification of Aspergillus species in routinely processed tissue sections.. Journal of Clinical Pathology, 1996, 49, 798-801.	1.0	47
38	Nuclear Kaiso Expression Is Associated with High Grade and Triple-Negative Invasive Breast Cancer. PLoS ONE, 2012, 7, e37864.	1.1	45
39	The added value of mammography in different age-groups of women with and without BRCA mutation screened with breast MRI. Breast Cancer Research, 2018, 20, 84.	2.2	40
40	Pathologic complete response and overall survival in breast cancer subtypes in stage III inflammatory breast cancer. Breast Cancer Research and Treatment, 2019, 176, 217-226.	1.1	38
41	Screen-detected breast cancers have a lower mitotic activity index. British Journal of Cancer, 2000, 82, 381-384.	2.9	36
42	Stage migration in breast cancer: surgical decisions concerning isolated tumour cells and micro-metastases in the sentinel lymph node. European Journal of Surgical Oncology, 2003, 29, 216-220.	0.5	36
43	The impact of a false-positive MRI on the choice for mastectomy in BRCA mutation carriers is limited. Annals of Oncology, 2008, 19, 655-659.	0.6	36
44	Upregulation of IGF-1R Expression during Neoadjuvant Therapy Predicts Poor Outcome in Breast Cancer Patients. PLoS ONE, 2015, 10, e0117745.	1.1	32
45	Magnetic resonance imaging in size assessment of invasive breast carcinoma with an extensive intraductal component. BMC Medical Imaging, 2009, 9, 5.	1.4	30
46	Magnetic resonance imaging before breast cancer surgery: results of an observational multicenter international prospective analysisÂ(MIPA). European Radiology, 2022, 32, 1611-1623.	2.3	30
47	Mammographic detection and staging of invasive lobular carcinoma. Clinical Imaging, 2006, 30, 94-98.	0.8	29
48	Relevant impact of central pathology review on nodal classification in individual breast cancer patients. Annals of Oncology, 2012, 23, 2561-2566.	0.6	29
49	The frequency of missed breast cancers in women participating in a high-risk MRI screening program. Breast Cancer Research and Treatment, 2018, 169, 323-331.	1.1	29
50	Discrepancies between biomarkers of primary breast cancer and subsequent brain metastases: an international multicenter study. Breast Cancer Research and Treatment, 2018, 167, 479-483.	1.1	27
51	The molecular genetic make-up of male breast cancer. Endocrine-Related Cancer, 2019, 26, 779-794.	1.6	27
52	Numerous high-risk epithelial lesions in familial breast cancer. European Journal of Cancer, 2006, 42, 2492-2498.	1.3	26
53	HNF4A immunohistochemistry facilitates distinction between primary and metastatic breast and gastric carcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2014, 464, 673-679.	1.4	26
54	Metastatic behavior and overall survival according to breast cancer subtypes in stage IV inflammatory breast cancer. Breast Cancer Research, 2019, 21, 113.	2.2	24

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55	Ultrastaging methods of sentinel lymph nodes in endometrial cancer â€“ a systematic review. International Journal of Gynecological Cancer, 2021, 31, 744-753.	1.2	24
56	Amount of fibroglandular tissue FGT and background parenchymal enhancement BPE in relation to breast cancer risk and false positives in a breast MRI screening program. European Radiology, 2019, 29, 4678-4690.	2.3	23
57	Assessment of Silicone Particle Migration Among Women Undergoing Removal or Revision of Silicone Breast Implants in the Netherlands. JAMA Network Open, 2021, 4, e2125381.	2.8	23
58	Differences in Sentinel Lymph Node Pathology Protocols Lead to Differences in Surgical Strategy in Breast Cancer Patients. Annals of Surgical Oncology, 2006, 13, 1466-1473.	0.7	22
59	DC-SCRIPT: Nuclear Receptor Modulation and Prognostic Significance in Primary Breast Cancer. Journal of the National Cancer Institute, 2010, 102, 54-68.	3.0	22
60	Immunophenotyping invasive breast cancer: paving the road for molecular imaging. BMC Cancer, 2012, 12, 240.	1.1	22
61	The cutoff for estrogen and progesterone receptor expression in endometrial cancer revisited: a European Network for Individualized Treatment of Endometrial Cancer collaboration study. Human Pathology, 2021, 109, 80-91.	1.1	22
62	Histological subtypes in triple negative breast cancer are associated with specific information on survival. Annals of Diagnostic Pathology, 2020, 46, 151490.	0.6	21
63	One-day core needle biopsy in a breast clinic: 4Âyears experience. Breast Cancer Research and Treatment, 2013, 137, 609-616.	1.1	20
64	The Prognostic Value of the Mitotic Activity Index in Patients with Primary Breast Cancer Who were not Treated with Adjuvant Systemic Therapy. Breast Cancer Research and Treatment, 2003, 77, 77-84.	1.1	19
65	An alternative way to measure the depth of invasion of vulvar squamous cell carcinoma in relation to prognosis. Modern Pathology, 2015, 28, 295-302.	2.9	19
66	Angiosarcoma in a patient with immunodeficiency, centromeric region instability, facial anomalies (ICF) syndrome. American Journal of Medical Genetics, Part A, 2011, 155, 622-625.	0.7	18
67	Breast cancer size estimation with MRI in BRCA mutation carriers and other high risk patients. European Journal of Radiology, 2013, 82, 1416-1422.	1.2	18
68	Quality assessment of estrogen receptor and progesterone receptor testing in breast cancer using a tissue microarray-based approach. Breast Cancer Research and Treatment, 2015, 152, 247-252.	1.1	18
69	3D volume reconstruction from serial breast specimen radiographs for mapping between histology and 3D whole specimen imaging. Medical Physics, 2017, 44, 935-948.	1.6	18
70	Solving the preoperative breast MRI conundrum: design and protocol of the MIPA study. European Radiology, 2020, 30, 5427-5436.	2.3	18
71	Optimized tumour infiltrating lymphocyte assessment for triple negative breast cancer prognostics. Breast, 2021, 56, 78-87.	0.9	18
72	Mitotic activity index in interval breast cancers. European Journal of Surgical Oncology, 2003, 29, 29-31.	0.5	17

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73	Morphometry of Isolated Tumor Cells in Breast Cancer Sentinel Lymph Nodes: Metastases or Displacement?. American Journal of Surgical Pathology, 2009, 33, 106-110.	2.1	16
74	p53 mutations in classic and pleomorphic invasive lobular carcinoma of the breast. Cellular Oncology (Dordrecht), 2012, 35, 111-118.	2.1	16
75	Deep learning and manual assessment show that the absolute mitotic count does not contain prognostic information in triple negative breast cancer. Cellular Oncology (Dordrecht), 2019, 42, 555-569.	2.1	16
76	HER2, chromosome 17 polysomy and DNA ploidy status in breast cancer; a translational study. Scientific Reports, 2019, 9, 11679.	1.6	15
77	Fatal thrombotic microangiopathy after a single dose of gemcitabine as fourth-line palliative treatment for metastasized ductal breast carcinoma. Acta OncolÃ³gica, 2011, 50, 462-465.	0.8	14
78	The correlation of background parenchymal enhancement in the contralateral breast with patient and tumor characteristics of MRI-screen detected breast cancers. PLoS ONE, 2018, 13, e0191399.	1.1	14
79	HIF-1Î± and NOTCH signaling in ductal and lobular carcinomas of the breast. Cellular Oncology (Dordrecht), 2012, 35, 435-442.	2.1	12
80	Better survival after surgery of the primary tumor in stage IV inflammatory breast cancer. Surgical Oncology, 2020, 33, 43-50.	0.8	12
81	Residual disease after reâ€excision for tumourâ€positive surgical margins in both ductal carcinoma in situ and invasive carcinoma of the breast: The effect of time. Journal of Surgical Oncology, 2007, 96, 569-574.	0.8	10
82	Methylation biomarkers for pleomorphic lobular breast cancer - a short report. Cellular Oncology (Dordrecht), 2015, 38, 397-405.	2.1	10
83	Sonographic Phenotypes of Molecular Subtypes of Invasive Ductal Cancer in Automated 3-D Breast Ultrasound. Ultrasound in Medicine and Biology, 2017, 43, 1820-1828.	0.7	10
84	Brief fixation enables same-day breast cancer diagnosis with reliable assessment of hormone receptors, E-cadherin and HER2/Neu. Journal of Clinical Pathology, 2017, 70, 781-786.	1.0	10
85	Impact of omission of completion axillary lymph node dissection (cALND) or axillary radiotherapy (ax) Tj ETQq1 1 0.784314 rgBT /Overlo sentinel lymph node (SN): Results from the MIRROR study. Journal of Clinical Oncology, 2009, 27, CRA506-CRA506.	0.8	10
86	Cost-effectiveness of new guidelines for adjuvant systemic therapy for patients with primary breast cancer. Annals of Oncology, 2005, 16, 1874-1881.	0.6	9
87	Measuring the depth of invasion in vulvar squamous cell carcinoma: interobserver agreement and pitfalls. Histopathology, 2019, 75, 413-420.	1.6	9
88	Impact of omission of completion axillary lymph node dissection (cALND) or axillary radiotherapy (ax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf sentinel lymph node (SN): Results from the MIRROR study. Journal of Clinical Oncology, 2009, 27, CRA506-CRA506.	0.8	9
89	Renal failure in the surviving monochorionic twin after death of the co-twin in utero. Pediatric Nephrology, 1996, 10, 51-54.	0.9	7
90	More tumorâ€affected lymph nodes because of the sentinel lymph node procedure but no stage migration, because the 2002 TNM classifies small tumor deposits as pathologic N0 breast cancer. Cancer, 2009, 115, 5589-5595.	2.0	6

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91	Prognostic impact of isolated tumor cells in breast cancer axillary nodes: single tumor cell(s) versus tumor cell cluster(s) and microanatomic location. Breast Cancer Research and Treatment, 2012, 131, 645-651.	1.1	6
92	Models predicting non-sentinel node involvement also predict for regional recurrence in breast cancer patients without axillary treatment. European Journal of Surgical Oncology, 2013, 39, 1351-1357.	0.5	6
93	Brief fixation does not hamper the reliability of Ki67 analysis in breast cancer coreâ€needle biopsies: a doubleâ€centre study. Histopathology, 2015, 66, 380-387.	1.6	6
94	Improving preoperative diagnosis in endometrial cancer using systematic morphological assessment and a small immunohistochemical panel. Human Pathology, 2021, 117, 68-78.	1.1	6
95	Impact of omission of completion axillary lymph node dissection (cALND) or axillary radiotherapy (ax) Tj ETQq1 1 0.784314 rgBT /Overlo sentinel lymph node (SN): Results from the MIRROR study. Journal of Clinical Oncology, 2009, 27, CRA506-CRA506.	0.8	6
96	In primary breast cancer the mitotic activity yields similar prognostic information as the histological grade: a study with long-term follow-up. Breast Cancer Research and Treatment, 2010, 122, 77-86.	1.1	5
97	Assessment of <scp>HER</scp>2 status in breast cancer biopsies is not affected by accelerated tissue processing. Histopathology, 2018, 73, 81-89.	1.6	5
98	A systematic review on the use of the breast lesion excision system in breast disease. Insights Into Imaging, 2019, 10, 49.	1.6	5
99	The Impact of Preoperative Breast MRI on Surgical Margin Status in Breast Cancer Patients Recalled at Biennial Screening Mammography: An Observational Cohort Study. Annals of Surgical Oncology, 2021, 28, 5929-5938.	0.7	5
100	Higher cytoplasmic and nuclear poly(ADP-ribose) polymerase expression in familial than in sporadic breast cancer. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2012, 461, 425-431.	1.4	4
101	Is the sentinel lymph node pathology protocol in breast cancer patients associated with the risk of regional recurrence?. European Journal of Surgical Oncology, 2013, 39, 437-441.	0.5	4
102	Germline MUTYH gene mutations are not frequently found in unselected patients with papillary breast carcinoma. Hereditary Cancer in Clinical Practice, 2014, 12, 21.	0.6	4
103	Reliability of MRI tumor size measurements for minimal invasive treatment selection in small breast cancers. European Journal of Surgical Oncology, 2020, 46, 1463-1470.	0.5	4
104	The yield and effectiveness of breast cancer surveillance in women with <scp>PTEN</scp> Hamartoma Tumor Syndrome. Cancer, 2022, 128, 2883-2891.	2.0	4
105	The use of X-ray for lymph node determination in the axillary dissection specimen. Breast, 1999, 8, 126-128.	0.9	3
106	A generic nuclei detection method for histopathological breast images. Proceedings of SPIE, 2016, , .	0.8	3
107	Accelerated Tissue Processing With Minimal Formalin Fixation Time for 9-Gauge Vacuum-Assisted Breast Biopsy Specimens. American Journal of Clinical Pathology, 2020, 153, 58-65.	0.4	3
108	Minimally invasive breast cancer excision using the breast lesion excision system under ultrasound guidance. Breast Cancer Research and Treatment, 2020, 184, 37-43.	1.1	3

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109	The value of mammography in women with focal breast complaints in addition to initial targeted ultrasound. Breast Cancer Research and Treatment, 2021, 185, 381-389.	1.1	3
110	Towards Spatial Correspondence between Specimen and In-vivo Breast Imaging. Lecture Notes in Computer Science, 2014, , 674-680.	1.0	3
111	Minimum slice spacing required to reconstruct 3D shape for serial sections of breast tissue for comparison with medical imaging. , 2015, , .		2
112	Trends in pre-operative needle biopsy use in invasive breast cancer diagnosis: a Dutch nationwide population study. Acta OncolÃ³gica, 2020, 59, 1469-1473.	0.8	2
113	Familial Breast Cancer: Detection of Prevalent High-Risk Epithelial Lesions. , 2008, , 61-71.		2
114	Cost-effectiveness of adjuvant systemic therapy in low-risk breast cancer patients with nodal isolated tumor cells or micrometastases. Annals of Oncology, 2012, 23, 2585-2591.	0.6	1
115	Whole Mastectomy Volume Reconstruction from 2D Radiographs and Its Mapping to Histology. Lecture Notes in Computer Science, 2016, , 367-374.	1.0	1
116	Cervical metastases originating from a primary rectal adenocarcinoma due to a pagetoid spread. Human Pathology, 2017, 68, 184-188.	1.1	1
117	Molecular subtypes in inflammatory breast cancer: A descriptive analysis using the Netherlands cancer registry. European Journal of Cancer, 2018, 92, S120-S121.	1.3	1
118	Omission of axillary lymph node dissection after neoadjuvant chemotherapy for clinically nodeâ€positive breast cancer: How can we select patients?. Breast Journal, 2020, 26, 1869-1870.	0.4	1
119	Isolated Tumor Cells in Axillary Lymph Nodes of Breast Cancer Patients: Differential Prognostic Impact of Single Tumor Cell(s) Versus Tumor Cell Clusters, and Microanatomic Location. New Results from the Dutch MIRROR Study.. , 2009, , .		1
120	Cost-effectiveness of various guidelines for adjuvant systemic therapy in primary breast cancer. European Journal of Cancer, Supplement, 2004, 2, 75-76.	2.2	0
121	Costs of breast cancer surveillance in BRCA mutation carriers. European Journal of Cancer, Supplement, 2008, 6, 94-95.	2.2	0
122	Discrepancies Between Biological Markers of Primary Breast Cancer and Their Brain Metastases: An International Multicenter Study. International Journal of Radiation Oncology Biology Physics, 2017, 99, S170-S171.	0.4	0
123	A systematic review on the use of the Breast Lesion Excision System in breast disease. European Journal of Cancer, 2018, 92, S153-S154.	1.3	0
124	Breast Lesion Excision System as a treatment method for small invasive breast cancers. European Journal of Cancer, 2020, 138, S26-S27.	1.3	0
125	ASO Visual Abstract: The Impact of Preoperative Breast MRI on Surgical Margin Status in Breast Cancer Patients Recalled at Biennial Screening Mammography: An Observational Cohort Study. Annals of Surgical Oncology, 2021, 28, 432.	0.7	0
126	Abstract PD06-04: Relevant Impact of Central Pathology Review on Nodal Classification, but Not on the Association of Small Nodal Metastases with Breast Cancer Outcome. Results from the Dutch MIRROR Study. , 2010, , .		0

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127	Abstract P1-01-31: Axillary Recurrence Rate Is Associated with Sentinel Lymph Node Pathology Protocol. , 2010, , .		0
128	PD02-07: Models Predicting Non-Sentinel Node Involvement in Breast Cancer Also Predict for Regional Recurrence If the Axilla Is Not Treated.. , 2011, , .		0
129	Deep learning enables fully automated mitotic density assessment in breast cancer histopathology. European Journal of Cancer, 2020, 138, S86.	1.3	0