# Ulrich Bick

List of Publications by Year
in descending order



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|---|---|---|---|
| 90 papers | 5,346 citations | 101543 36 h-index | 85541 71 g-index |
| 110 all docs | 110 docs citations | 110 times ranked | 4161 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Breast MRI: EUSOBI recommendations for womenâ€™s information. European Radiology, 2015, 25, 3669-3678. | 4.5 | 330 |
| 2 | A Fuzzy C-Means (FCM)-Based Approach for Computerized Segmentation of Breast Lesions in Dynamic Contrast-Enhanced MR Images1. Academic Radiology, 2006, 13, 63-72. | 2.5 | 316 |
| 3 | Contralateral Breast Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. Journal of Clinical Oncology, 2009, 27, 5887-5892. | 1.6 | 292 |
| 4 | Volumetric texture analysis of breast lesions on contrastâ€enhanced magnetic resonance images. Magnetic Resonance in Medicine, 2007, 58, 562-571. | 3.0 | 270 |
| 5 | Contrast-enhanced spectral mammography versus MRI: Initial results in the detection of breast cancer and assessment of tumour size. European Radiology, 2014, 24, 256-264. | 4.5 | 269 |
| 6 | Automatic identification and classification of characteristic kinetic curves of breast lesions on DCE-MRI. Medical Physics, 2006, 33, 2878-2887. | 3.0 | 184 |
| 7 | Computerized analysis of breast lesions in three dimensions using dynamic magnetic-resonance imaging. Medical Physics, 1998, 25, 1647-1654. | 3.0 | 171 |
| 8 | Computerized interpretation of breast MRI: Investigation of enhancement-variance dynamics. Medical Physics, 2004, 31, 1076-1082. | 3.0 | 169 |
| 9 | Contrast-enhanced spectral mammography vs. mammography and MRI â€“ clinical performance in a multi-reader evaluation. European Radiology, 2017, 27, 2752-2764. | 4.5 | 166 |
| 10 | International investigation of breast MRI: results of a multicentre study (11 sites) concerning diagnostic parameters for contrast-enhanced MRI based on 519 histopathologically correlated lesions. European Radiology, 2001, 11, 531-546. | 4.5 | 163 |
| 11 | Analysis of spiculation in the computerized classification of mammographic masses. Medical Physics, 1995, 22, 1569-1579. | 3.0 | 155 |
| 12 | Position paper on screening for breast cancer by the European Society of Breast Imaging (EUSOBI) and 30 national breast radiology bodies from Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Israel, Lithuania, Moldova, The Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland and Turkey. European Radiology, 2017, 27, 2737-2743. | 4.5 | 136 |
| 13 | Automated segmentation of digitized mammograms. Academic Radiology, 1995, 2, 1-9. | 2.5 | 120 |
| 14 | Evaluation of contrast-enhanced digital mammography. European Journal of Radiology, 2011, 78, 112-121. | 2.6 | 112 |
| 15 | The risk of contralateral breast cancer in patients from BRCA1/2 negative high risk families as compared to patients from BRCA1 or BRCA2 positive families: a retrospective cohort study. Breast Cancer Research, 2012, 14, R156. | 5.0 | 112 |
| 16 | White matter abnormalities in patients with treated hyperphenylalaninaemia: Magnetic resonance relaxometry and proton spectroscopy findings. European Journal of Pediatrics, 1993, 152, 1012-1020. | 2.7 | 109 |
| 17 | Contrast-enhanced spectral mammography: Does mammography provide additional clinical benefits or can some radiation exposure be avoided?. Breast Cancer Research and Treatment, 2014, 146, 371-381. | 2.5 | 99 |
| 18 | Image-guided breast biopsy and localisation: recommendations for information to women and referring physicians by the European Society of Breast Imaging. Insights Into Imaging, 2020, 11, 12. | 3.4 | 96 |

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|---|---|---|---|
| 19 | Breast ultrasound: recommendations for information to women and referring physicians by the European Society of Breast Imaging. Insights Into Imaging, 2018, 9, 449-461. | 3.4 | 95 |
| 20 | Disturbed myelination in patients with treated hyperphenylalaninaemia: evaluation with magnetic resonance imaging. European Journal of Pediatrics, 1991, 150, 185-189. | 2.7 | 94 |
| 21 | High-risk breast cancer surveillance with MRI: 10-year experience from the German consortium for hereditary breast and ovarian cancer. Breast Cancer Research and Treatment, 2019, 175, 217-228. | 2.5 | 94 |
| 22 | Differentiation between benign and malignant findings on MR-mammography: usefulness of morphological criteria. European Radiology, 2001, 11, 1645-1650. | 4.5 | 93 |
| 23 | The distinction between benign and malignant liver tumors on sonography: value of a hypoechoic halo.. American Journal of Roentgenology, 1992, 159, 1005-1009. | 2.2 | 89 |
| 24 | Digital Mammography Using Iodine-Based Contrast Media. Investigative Radiology, 2005, 40, 397-404. | 6.2 | 88 |
| 25 | Tomosynthesis and contrast-enhanced digital mammography: recent advances in digital mammography. European Radiology, 2007, 17, 3086-3092. | 4.5 | 80 |
| 26 | Interdisciplinary Screening, Diagnosis, Therapy and Follow-up of Breast Cancer. Guideline of the DGGG and the DKG (S3-Level, AWMF Registry Number 032/045OL, December 2017) â€“ Part 2 with Recommendations for the Therapy of Primary, Recurrent and Advanced Breast Cancer. Geburtshilfe Und Frauenheilkunde, 2018, 78, 1056-1088. | 1.8 | 69 |
| 27 | Digital mammography: what do we and what donâ€™t we know?. European Radiology, 2007, 17, 1931-1942. | 4.5 | 62 |
| 28 | PACS: the silent revolution. European Radiology, 1999, 9, 1152-1160. | 4.5 | 61 |
| 29 | Interdisciplinary Screening, Diagnosis, Therapy and Follow-up of Breast Cancer. Guideline of the DGGG and the DKG (S3-Level, AWMF Registry Number 032/045OL, December 2017) â€“ Part 1 with Recommendations for the Screening, Diagnosis and Therapy of Breast Cancer. Geburtshilfe Und Frauenheilkunde, 2018, 78, 927-948. | 1.8 | 59 |
| 30 | Ovarian cysts in the fetus and neonateâ€”changes in sonographic pattern in the follow-up and their management. Pediatric Radiology, 1992, 22, 395-400. | 2.0 | 51 |
| 31 | Breast Cancer in Young Women After Treatment for Hodgkinâ€™s Disease During Childhood or Adolescence. Deutsches Ärzteblatt International, 2014, 111, 3-9. | 0.9 | 50 |
| 32 | Kinetics of phenylalanine transport at the human bloodâ€“brain barrier investigated in vivo. Brain Research, 1997, 778, 329-337. | 2.2 | 49 |
| 33 | Computerized Assessment of Breast Lesion Malignancy using DCE-MRI. Academic Radiology, 2010, 17, 822-829. | 2.5 | 47 |
| 34 | Detection and classification of contrastâ€enhancing masses by a fully automatic computerâ€assisted diagnosis system for breast MRI. Journal of Magnetic Resonance Imaging, 2012, 35, 1077-1088. | 3.4 | 47 |
| 35 | Development of Low-Dose Photon-counting Contrast-enhanced Tomosynthesis with Spectral Imaging. Radiology, 2011, 259, 558-564. | 7.3 | 37 |
| 36 | MRI to X-ray mammography intensity-based registration with simultaneous optimisation of pose and biomechanical transformation parameters. Medical Image Analysis, 2014, 18, 674-683. | 11.6 | 36 |

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|---|---|---|---|
| 37 | Diagnostic Performance of Automated Breast Volume Scanning (ABVS) Compared to Handheld Ultrasonography With Breast MRI as the Gold Standard. Academic Radiology, 2017, 24, 954-961. | 2.5 | 35 |
| 38 | Brain Imaging and Proton Magnetic Resonance Spectroscopy in Patients With Phenylketonuria. Pediatrics, 2003, 112, 1580-1583. | 2.1 | 35 |
| 39 | Use of Iodine-based Contrast Media in Digital Full-field Mammography - Initial Experience. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2003, 175, 342-345. | 1.3 | 34 |
| 40 | Near-infrared Laser Computed Tomography of the Breast. Academic Radiology, 2008, 15, 1545-1553. | 2.5 | 33 |
| 41 | Breast cancer risk in BRCA1/2 mutation carriers and noncarriers under prospective intensified surveillance. International Journal of Cancer, 2020, 146, 999-1009. | 5.1 | 32 |
| 42 | Thick Slices from Tomosynthesis Data Sets: Phantom Study for the Evaluation of Different Algorithms. Journal of Digital Imaging, 2009, 22, 519-526. | 2.9 | 31 |
| 43 | Intensified Surveillance for Early Detection of Breast Cancer in High-Risk Patients. Breast Care, 2015, 10, 13-20. | 1.4 | 30 |
| 44 | Breast Tomosynthesis. Seminars in Ultrasound, CT and MRI, 2011, 32, 281-287. | 1.5 | 29 |
| 45 | Breast MR Imaging with High Spectral and Spatial Resolutions: Preliminary Experience. Radiology, 2002, 224, 577-585. | 7.3 | 28 |
| 46 | New Contrast Media Designed for X-Ray Energy Subtraction Imaging in Digital Mammography. Investigative Radiology, 2003, 38, 602-608. | 6.2 | 26 |
| 47 | MRI to X-ray mammography registration using a volume-preserving affine transformation. Medical Image Analysis, 2012, 16, 966-975. | 11.6 | 26 |
| 48 | <title>Computer-aided detection and diagnosis of masses and clustered microcalcifications from digital mammograms</title>. , 1993, , . | | 25 |
| 49 | Comparison of Gadoteric Acid and Gadobutrol for Detection as Well as Morphologic and Dynamic Characterization of Lesions on Breast Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2014, 49, 474-484. | 6.2 | 21 |
| 50 | Volumetric breast composition analysis: reproducibility of breast percent density and fibroglandular tissue volume measurements in serial mammograms. Acta Radiologica, 2014, 55, 32-38. | 1.1 | 20 |
| 51 | Telephone Counseling and Attendance in a National Mammography-Screening Program. American Journal of Preventive Medicine, 2011, 41, 421-427. | 3.0 | 19 |
| 52 | Is image selection a useful strategy to decrease the transmission time in teleradiology? A study using 100 emergency cranial CTs. European Radiology, 1998, 8, 1719-1721. | 4.5 | 17 |
| 53 | Progression of Cerebral White Matter Abnormalities in Early Treated Patients with Phenylketonuria During Adolescence. Neuropediatrics, 1997, 28, 239-240. | 0.6 | 16 |
| 54 | Intraoperative Specimen Radiography in Patients with Nonpalpable Malignant Breast Lesions. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2012, 184, 635-642. | 1.3 | 16 |

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|---|---|---|---|
| 55 | Therapeutic use of surfactant in neonatal respiratory distress syndrome. Pediatric Radiology, 1992, 22, 169-173. | 2.0 | 15 |
| 56 | Pharmacokinetic Approach for Dynamic Breast MRI to Indicate Signal Intensity Time Curves of Benign and Malignant Lesions by Using the Tumor Flow Residence Time. Investigative Radiology, 2013, 48, 69-78. | 6.2 | 15 |
| 57 | Near monochromatic X-rays for digital slot-scan mammography: initial findings. European Radiology, 2004, 14, 1641-6. | 4.5 | 14 |
| 58 | <title>Initial experience with a prototype clinical intelligent mammography workstation for computer-aided diagnosis</title>. , 1995, , . | | 13 |
| 59 | Tissue transition projection (TTP) of the intestines. European Radiology, 2000, 10, 806-810. | 4.5 | 13 |
| 60 | Evaluation of tomosynthesis elastography in a breast-mimicking phantom. European Journal of Radiology, 2012, 81, 2169-2173. | 2.6 | 13 |
| 61 | Reduced-Dose Digital Mammography of Skin Calcifications. American Journal of Roentgenology, 2002, 178, 473-474. | 2.2 | 11 |
| 62 | Intraindividual Comparison of Two Methods of Volumetric Breast Composition Assessment. Academic Radiology, 2015, 22, 447-452. | 2.5 | 11 |
| 63 | Contrast-to-Noise Ratios of Different Elements in Digital Mammography. Investigative Radiology, 2007, 42, 319-325. | 6.2 | 10 |
| 64 | Evaluation of 11-Gauge and 9-Gauge Vacuum-Assisted Breast Biopsy Systems in a Breast Parenchymal Model. Academic Radiology, 2007, 14, 677-684. | 2.5 | 10 |
| 65 | Volumetric quantification of the effect of aging and hormone replacement therapy on breast composition from digital mammograms. European Journal of Radiology, 2014, 83, 1092-1097. | 2.6 | 10 |
| 66 | Evaluation of myelination and myelination disorders with turbo inversion recovery magnetic resonance imaging. European Radiology, 1997, 7, 1478-1484. | 4.5 | 8 |
| 67 | <title>Computerized lung nodule detection: comparison of performance for low-dose and standard-dose helical CT scans</title>. , 2001, , . | | 8 |
| 68 | MRI of the Breast as Part of the Assessment in Population-Based Mammography Screening. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2013, 185, 849-856. | 1.3 | 8 |
| 69 | Impact of Magnification Views on the CharacterizationÂof Microcalcifications in Digital Mammography. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2014, 186, 274-280. | 1.3 | 8 |
| 70 | Liposarcoma of the Breast Arising Within a Phyllodes Tumor. Journal of Computer Assisted Tomography, 1999, 23, 764-766. | 0.9 | 8 |
| 71 | Spectrally Inhomogeneous Effects of Contrast Agents in Breast Lesion Detected by High Spectral and Spatial Resolution MRI. Academic Radiology, 2002, 9, S352-S354. | 2.5 | 7 |
| 72 | Deformable Image Registration of Follow-Up Breast Magnetic Resonance Images. Lecture Notes in Computer Science, 2010, , 13-24. | 1.3 | 6 |

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|---|---|---|---|
| 73 | <title>Characterization of the mammographic appearance of microcalcifications: applications in computer-aided diagnosis</title>. , 1993, 1898, 422. | | 5 |
| 74 | New RES-Specific Contrast Agents for CT. Academic Radiology, 2002, 9, S185-S190. | 2.5 | 5 |
| 75 | In patients with DCIS: is it sufficient to histologically examine only those tissue specimens that contain microcalcifications?. European Radiology, 2008, 18, 925-930. | 4.5 | 5 |
| 76 | Factors affecting the rate of false positive marks in CAD in full-field digital mammography. European Journal of Radiology, 2012, 81, e844-e848. | 2.6 | 5 |
| 77 | Intensity-Based MRI to X-ray Mammography Registration with an Integrated Fast Biomechanical Transformation. Lecture Notes in Computer Science, 2012, , 48-55. | 1.3 | 5 |
| 78 | Mammography: How to Interpret Microcalcifications. , 2014, , 313-318. | | 5 |
| 79 | Intra-individual Comparison of Average Glandular Dose of Two Digital Mammography Units using Different Anode/Filter Combinations. Academic Radiology, 2009, 16, 1272-1280. | 2.5 | 4 |
| 80 | Experimental Study of X-Ray Mammography in a Fluid Bath. Investigative Radiology, 1999, 34, 678. | 6.2 | 4 |
| 81 | <title>Automated feature extraction and classification of breast lesions in magnetic resonance images</title>. , 1998, , . | | 3 |
| 82 | Assessment of texture analysis on DCE-MRI data for the differentiation of breast tumor lesions. , 2009, , . | | 3 |
| 83 | Automated identification of temporal pattern with high initial enhancement in dynamic MR lesions using fuzzy c-means algorithm. , 2004, 5370, 607. | | 2 |
| 84 | Qualitative JPEG 2000 Compression in Digital Mammography â€“ Evaluation Using 480 Mammograms of the CDMAM Phantom. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2011, 183, 650-657. | 1.3 | 2 |
| 85 | <title>Preliminary evaluation of an "intelligent" mammography workstation</title>. , 1993, 1898, 764. | | 1 |
| 86 | Unusual Detection of Breast Metastasis From Melanoma. Breast Journal, 2001, 7, 269-270. | 1.0 | 1 |
| 87 | Rapid Growth of an Exophytic Angiosarcoma of the Breast. Breast Journal, 2006, 12, 80-82. | 1.0 | 0 |
| 88 | Mammographic Signs of Malignancy: Impact of Digital Mammography on Visibility and Appearance. Medical Radiology, 2010, , 175-186. | 0.1 | 0 |
| 89 | Concepts for Efficient and Reliable Multi-modal Breast Image Reading. Lecture Notes in Computer Science, 2010, , 121-128. | 1.3 | 0 |
| 90 | High-Risk Multimodality Screening. , 2017, , 329-335. | | 0 |