# Yulei Jiang

## List of Publications by Year in descending order

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|---|---|---|---|
| 69 papers | 2,693 citations | 257450 24 h-index | 182427 51 g-index |
| 73 all docs | 73 docs citations | 73 times ranked | 2963 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Artificial Intelligence Applied to Breast MRI for Improved Diagnosis. Radiology, 2021, 298, 38-46. | 7.3 | 66 |
| 2 | Receiver Operating Characteristic (ROC) Analysis of Image Search-and-Localize Tasks. Academic Radiology, 2020, 27, 1742-1750. | 2.5 | 5 |
| 3 | Response. Chest, 2019, 156, 810-811. | 0.8 | 0 |
| 4 | Diagnosis of Prostate Cancer by Use of MRI-Derived Quantitative Risk Maps: A Feasibility Study. American Journal of Roentgenology, 2019, 213, W66-W75. | 2.2 | 14 |
| 5 | Accuracy of the Vancouver Lung Cancer Risk Prediction Model Compared With ThatÂof Radiologists. Chest, 2019, 156, 112-119. | 0.8 | 11 |
| 6 | Common Designs of CAD Studies. , 2018, , 374-388. | | 0 |
| 7 | Interpretation Time Using a Concurrent-Read Computer-Aided Detection System for Automated Breast Ultrasound in Breast Cancer Screening of Women With Dense Breast Tissue. American Journal of Roentgenology, 2018, 211, 452-461. | 2.2 | 41 |
| 8 | Automated Breast Ultrasound in Breast Cancer Screening of Women With Dense Breasts: Reader Study of Mammography-Negative and Mammography-Positive Cancers. American Journal of Roentgenology, 2016, 206, 1341-1350. | 2.2 | 85 |
| 9 | Kinetic Analysis of Benign and Malignant Breast Lesions With Ultrafast Dynamic Contrast-Enhanced MRI: Comparison With Standard Kinetic Assessment. American Journal of Roentgenology, 2016, 207, 1159-1166. | 2.2 | 98 |
| 10 | Pilot Study of the Use of Hybrid Multidimensional T2-Weighted Imagingâ€“DWI for the Diagnosis of Prostate Cancer and Evaluation of Gleason Score. American Journal of Roentgenology, 2016, 207, 592-598. | 2.2 | 18 |
| 11 | ROC Curve for Extremely Subtle Lung Nodules on Chest Radiographs Confirmed by CT Scan. Academic Radiology, 2016, 23, 297-303. | 2.5 | 3 |
| 12 | Quantitative Multiparametric MRI Features and PTEN Expression of Peripheral Zone Prostate Cancer: A Pilot Study. American Journal of Roentgenology, 2016, 206, 559-565. | 2.2 | 48 |
| 13 | Validating a PET/CT volumetric prognostic index for non-small cell lung cancer.. Journal of Clinical Oncology, 2016, 34, 8516-8516. | 1.6 | 1 |
| 14 | MRIâ€based prostate volumeâ€adjusted prostateâ€specific antigen in the diagnosis of prostate cancer. Journal of Magnetic Resonance Imaging, 2015, 42, 1733-1739. | 3.4 | 23 |
| 15 | A new PET/CT volumetric prognostic index for non-small cell lung cancer. Lung Cancer, 2015, 89, 43-49. | 2.0 | 19 |
| 16 | Estimating Screening-Mammography Receiver Operating Characteristic (ROC) Curves from Stratified Random Samples of Screening Mammograms. Academic Radiology, 2015, 22, 580-590. | 2.5 | 1 |
| 17 | Short-term reproducibility of apparent diffusion coefficient estimated from diffusion-weighted MRI of the prostate. Abdominal Imaging, 2015, 40, 2523-2528. | 2.0 | 27 |
| 18 | Application of artificial neural network and multiple linear regression models for predicting survival time of patients with non-small cell cancer using multiple prognostic factors including FDG-PET measurements. , 2014, , . | | 1 |

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|---|---|---|---|
| 19 | Validation of Quantitative Analysis of Multiparametric Prostate MR Images for Prostate Cancer Detection and Aggressiveness Assessment: A Cross-Imager Study. Radiology, 2014, 271, 461-471. | 7.3 | 72 |
| 20 | On the Shape of the Population ROC Curve. Academic Radiology, 2013, 20, 897-907. | 2.5 | 2 |
| 21 | Prostate Volumes Derived From MRI and Volume-Adjusted Serum Prostate-Specific Antigen: Correlation With Gleason Score of Prostate Cancer. American Journal of Roentgenology, 2013, 201, 1041-1048. | 2.2 | 31 |
| 22 | Quantitative Analysis of Multiparametric Prostate MR Images: Differentiation between Prostate Cancer and Normal Tissue and Correlation with Gleason Scoreâ€"A Computer-aided Diagnosis Development Study. Radiology, 2013, 267, 787-796. | 7.3 | 229 |
| 23 | A multitarget training method for artificial neural network with application to computer-aided diagnosis. Medical Physics, 2012, 40, 011908. | 3.0 | 11 |
| 24 | A scaling transformation for classifier output based on likelihood ratio: Applications to a CAD workstation for diagnosis of breast cancer. Medical Physics, 2012, 39, 2787-2804. | 3.0 | 8 |
| 25 | Computer-Aided Image Analysis and Detection of Prostate Cancer. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 238-256. | 0.4 | 1 |
| 26 | Segmentation of prostatic glands in histology images. , 2011, , . | | 8 |
| 27 | Computer-aided identification of prostatic adenocarcinoma: Segmentation of glandular structures. Journal of Pathology Informatics, 2011, 2, 33. | 1.7 | 37 |
| 28 | BI-RADS Data Should Not Be Used to Estimate ROC Curves. Radiology, 2010, 256, 29-31. | 7.3 | 37 |
| 29 | Prostate Cancer: Differentiation of Central Gland Cancer from Benign Prostatic Hyperplasia by Using Diffusion-weighted and Dynamic Contrast-enhanced MR Imaging. Radiology, 2010, 257, 715-723. | 7.3 | 278 |
| 30 | The Effect of Two Priors on Bayesian Estimation of â€œProperâ€•Binormal ROC Curves from Common and Degenerate Datasets. Academic Radiology, 2010, 17, 969-979. | 2.5 | 3 |
| 31 | A study of the effect of noise injection on the training of artificial neural networks. , 2009, , . | | 23 |
| 32 | Noise injection for training artificial neural networks: A comparison with weight decay and early stopping. Medical Physics, 2009, 36, 4810-4818. | 3.0 | 134 |
| 33 | Analysis of double reading in an observer study. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 34 | Computer-aided Detection of Prostate Cancer on Tissue Sections. Applied Immunohistochemistry and Molecular Morphology, 2009, 17, 442-450. | 1.2 | 8 |
| 35 | Anniversary Paper: Evaluation of medical imaging systems. Medical Physics, 2008, 35, 645-659. | 3.0 | 50 |
| 36 | Uncertainty in the Output of Artificial Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , . | 0.0 | 4 |

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|---|---|---|---|
| 37 | Breast Cancer Detection Rate: Designing Imaging Trials to Demonstrate Improvements. Radiology, 2007, 243, 360-367. | 7.3 | 34 |
| 38 | Independent Evaluation of Computer Classification of Malignant and Benign Calcifications in Full-Field Digital Mammograms. Academic Radiology, 2007, 14, 363-370. | 2.5 | 18 |
| 39 | Comparison of Independent Double Readings and Computer-Aided Diagnosis (CAD) for the Diagnosis of Breast Calcifications. Academic Radiology, 2006, 13, 534-535. | 2.5 | 1 |
| 40 | Comparison of Independent Double Readings and Computer-Aided Diagnosis (CAD) for the Diagnosis of Breast Calcifications. Academic Radiology, 2006, 13, 84-94. | 2.5 | 28 |
| 41 | A Quadratic Model for Combining Quantitative Diagnostic Assessments from Radiologist and Computer in Computer-Aided Diagnosis. Academic Radiology, 2006, 13, 140-151. | 2.5 | 10 |
| 42 | A method for assessing the uncertainty in feature selection tasks. , 2006, 6146, 22. | | 0 |
| 43 | A study of several CAD methods for classification of clustered microcalcifications. , 2005, 5747, 1. | | 1 |
| 44 | Effect of correlation on combining diagnostic information from two images of the same patient. Medical Physics, 2005, 32, 3329-3338. | 3.0 | 18 |
| 45 | A study on several Machine-learning methods for classification of Malignant and benign clustered microcalcifications. IEEE Transactions on Medical Imaging, 2005, 24, 371-380. | 8.9 | 253 |
| 46 | Radial gradient-based segmentation of mammographic microcalcifications: Observer evaluation and effect on CAD performance. Medical Physics, 2004, 31, 2648-2657. | 3.0 | 38 |
| 47 | An ROC comparison of four methods of combining information from multiple images of the same patient. Medical Physics, 2004, 31, 2552-2563. | 3.0 | 19 |
| 48 | Use of BI-RADS lesion descriptors in computer-aided diagnosis of malignant and benign breast lesions. , 2004, , . | | 0 |
| 49 | The use ofa prioriinformation in the detection of mammographic microcalcifications to improve their classification. Medical Physics, 2003, 30, 823-831. | 3.0 | 20 |
| 50 | Uncertainty in the output of artificial neural networks. IEEE Transactions on Medical Imaging, 2003, 22, 913-921. | 8.9 | 14 |
| 51 | Automated selection of BI-RADS lesion descriptors for reporting calcifications in mammograms. , 2003, , . | | 0 |
| 52 | Training artificial neural networks (ANNs) with multiple target values to reduce output uncertainty. , 2003, , . | | 0 |
| 53 | Effect of radiologists' variability on the performance of computer classification of malignant and benign clustered microcalcifications in mammograms. , 2003, 5034, 42. | | 0 |
| 54 | Computer-Aided Diagnosis of Breast Cancer in Mammography: Evidence and Potential. Technology in Cancer Research and Treatment, 2002, 1, 211-216. | 1.9 | 10 |

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|---|---|---|---|
| 55 | Improving the automated classification of clustered calcifications on mammograms through the improved detection of individual calcifications. , 2002, , . | | 1 |
| 56 | Targeted Expression of Human Vitamin D Receptor in the Skin Promotes the Initiation of the Postnatal Hair Follicle Cycle and Rescues the Alopecia in Vitamin D Receptor Null Mice. Journal of Investigative Dermatology, 2002, 118, 631-638. | 0.7 | 53 |
| 57 | Components-of-Variance Models for Random-Effects ROC Analysis. Academic Radiology, 2001, 8, 605-615. | 2.5 | 47 |
| 58 | Dependence of computer classification of clustered microcalcifications on the correct detection of microcalcifications. Medical Physics, 2001, 28, 1949-1957. | 3.0 | 14 |
| 59 | <title>Optimal method for combining two correlated diagnostic assessments with application to computer-aided diagnosis</title>. , 2001, 4324, 177. | | 2 |
| 60 | <title>Analysis of components of variance in multiple-reader studies of computer-aided diagnosis with different tasks</title>. , 2001, , . | | 2 |
| 61 | Multiple-reader studies, digital mammography, computer-aided diagnosis, and the Holy Grail of imaging physics: II. , 2001, 4320, 619. | | 4 |
| 62 | Potential of Computer-aided Diagnosis to Reduce Variability in Radiologistsâ€™ Interpretations of Mammograms Depicting Microcalcifications. Radiology, 2001, 220, 787-794. | 7.3 | 133 |
| 63 | Classification of Breast Lesions from Mammograms. , 2000, , 341-357. | | 6 |
| 64 | Computer-aided diagnosis in radiology: potential and pitfalls. European Journal of Radiology, 1999, 31, 97-109. | 2.6 | 195 |
| 65 | Improving breast cancer diagnosis with computer-aided diagnosis. Academic Radiology, 1999, 6, 22-33. | 2.5 | 306 |
| 66 | Benefits of Computer-Aided Diagnosis (CAD) in Mammographic Diagnosis of Malignant and Benign Clustered Microcalcifications. Computational Imaging and Vision, 1998, , 215-220. | 0.6 | 1 |
| 67 | Dr Jiang and colleagues respond. Radiology, 1996, 201, 581-582. | 7.3 | 2 |
| 68 | Image feature analysis and computer-aided diagnosis in mammography: Reduction of false-positive clustered microcalcifications using local edge-gradient analysis. Medical Physics, 1995, 22, 161-169. | 3.0 | 50 |
| 69 | <title>Method of extracting signal area and signal thickness of microcalcifications from digital mammograms</title>. , 1992, , . | | 14 |