

# Vivian Youngjean Park

## List of Publications by Year in descending order

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69  
papers

825  
citations

516710

16  
h-index

610901

24  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Breast and Fibroglandular Tissue Segmentation in Breast MRI Using Deep Learning by a Fully-Convolutional Residual Neural Network U-Net. <i>Academic Radiology</i> , 2019, 26, 1526-1535.	2.5	70
2	Feasibility of Charcoal Tattooing of Cytology-Proven Metastatic Axillary Lymph Node at Diagnosis and Sentinel Lymph Node Biopsy after Neoadjuvant Chemotherapy in Breast Cancer Patients. <i>Cancer Research and Treatment</i> , 2018, 50, 801-812.	3.0	58
3	Second-Look US: How to Find Breast Lesions with a Suspicious MR Imaging Appearance. <i>Radiographics</i> , 2013, 33, 1361-1375.	3.3	57
4	Malignancy risk and characteristics of thyroid nodules with two consecutive results of atypia of undetermined significance or follicular lesion of undetermined significance on cytology. <i>European Radiology</i> , 2015, 25, 2601-2607.	4.5	37
5	Automatic Detection and Segmentation of Breast Cancer on MRI Using Mask R-CNN Trained on Non-Fat-Sat Images and Tested on Fat-Sat Images. <i>Academic Radiology</i> , 2022, 29, S135-S144.	2.5	33
6	Artificial intelligence to predict the BRAFV600E mutation in patients with thyroid cancer. <i>PLoS ONE</i> , 2020, 15, e0242806.	2.5	26
7	Pattern-based vs. score-based guidelines using ultrasound features have different strengths in risk stratification of thyroid nodules. <i>European Radiology</i> , 2020, 30, 3793-3802.	4.5	23
8	Radiomics in predicting mutation status for thyroid cancer: A preliminary study using radiomics features for predicting BRAFV600E mutations in papillary thyroid carcinoma. <i>PLoS ONE</i> , 2020, 15, e0228968.	2.5	23
9	Ultrasonographic evaluation of women with pathologic nipple discharge. <i>Ultrasonography</i> , 2017, 36, 310-320.	2.3	22
10	Evaluating imaging-pathology concordance and discordance after ultrasound-guided breast biopsy. <i>Ultrasonography</i> , 2018, 37, 107-120.	2.3	21
11	Metabolomics of Breast Cancer Using High-Resolution Magic Angle Spinning Magnetic Resonance Spectroscopy: Correlations with 18F-FDG Positron Emission Tomography-Computed Tomography, Dynamic Contrast-Enhanced and Diffusion-Weighted Imaging MRI. <i>PLoS ONE</i> , 2016, 11, e0159949.	2.5	21
12	Diagnostic performances and unnecessary US-FNA rates of various TIRADS after application of equal size thresholds. <i>Scientific Reports</i> , 2020, 10, 10632.	3.3	19
13	MRI Radiomic Features: Association with Disease-Free Survival in Patients with Triple-Negative Breast Cancer. <i>Scientific Reports</i> , 2020, 10, 3750.	3.3	19
14	Application of Various Additional Imaging Techniques for Thyroid Ultrasound: Direct Comparison of Combined Various Elastography and Doppler Parameters to Gray-Scale Ultrasound in Differential Diagnosis of Thyroid Nodules. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1679-1686.	1.5	18
15	Application of metabolomics in prediction of lymph node metastasis in papillary thyroid carcinoma. <i>PLoS ONE</i> , 2018, 13, e0193883.	2.5	18
16	Intratumoral Agreement of High-Resolution Magic Angle Spinning Magnetic Resonance Spectroscopic Profiles in the Metabolic Characterization of Breast Cancer. <i>Medicine (United States)</i> , 2016, 95, e3398.	1.0	17
17	Diffusional kurtosis imaging for differentiation of additional suspicious lesions on preoperative breast MRI of patients with known breast cancer. <i>Magnetic Resonance Imaging</i> , 2019, 62, 199-208.	1.8	17
18	Thyroid Imaging Reporting and Data System and Ultrasound Elastography: Diagnostic Accuracy as a Tool in Recommending Repeat Fine-Needle Aspiration for Solid Thyroid Nodules with Non-Diagnostic Fine-Needle Aspiration Cytology. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 399-406.	1.5	16

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19	Role of dynamic contrast-enhanced MRI in evaluating the association between contralateral parenchymal enhancement and survival outcome in ER-positive, HER2-negative, node-negative invasive breast cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1678-1689.	3.4	16
20	Breast magnetic resonance imaging for surveillance of women with a personal history of breast cancer: outcomes stratified by interval between definitive surgery and surveillance MR imaging. <i>BMC Cancer</i> , 2018, 18, 91.	2.6	16
21	Implications of US radiomics signature for predicting malignancy in thyroid nodules with indeterminate cytology. <i>European Radiology</i> , 2021, 31, 5059-5067.	4.5	16
22	Breast parenchymal signal enhancement ratio at preoperative magnetic resonance imaging: association with early recurrence in triple-negative breast cancer patients. <i>Acta Radiologica</i> , 2016, 57, 802-808.	1.1	15
23	Comparison of Clinical and Pathologic Characteristics of Ductal Carcinoma in Situ Detected on Mammography versus Ultrasound Only in Asymptomatic Patients. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 68-77.	1.5	14
24	BI-RADS category 3, 4, and 5 lesions identified at preoperative breast MRI in patients with breast cancer: implications for management. <i>European Radiology</i> , 2020, 30, 2773-2781.	4.5	14
25	Perfusion Parameters on Breast Dynamic Contrast-Enhanced MRI Are Associated With Disease-Specific Survival in Patients With Triple-Negative Breast Cancer. <i>American Journal of Roentgenology</i> , 2017, 208, 687-694.	2.2	12
26	Added Value of MRI for Invasive Breast Cancer including the Entire Axilla for Evaluation of High-Level or Advanced Axillary Lymph Node Metastasis in the Post-ACOSOG Z0011 Trial Era. <i>Radiology</i> , 2021, 300, 46-54.	7.3	12
27	Ultrafast dynamic contrast-enhanced breast MRI: association with pathologic complete response in neoadjuvant treatment of breast cancer. <i>European Radiology</i> , 2022, 32, 4823-4833.	4.5	12
28	Mammographically Occult Asymptomatic Radial Scars/Complex Sclerosing Lesions at Ultrasonography-Guided Core Needle Biopsy: Follow-Up Can Be Recommended. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2367-2371.	1.5	11
29	Comparison of diagnostic performance of the ACR and Kwak TIRADS applying the ACR TIRADS™ size thresholds for FNA. <i>European Radiology</i> , 2021, 31, 5243-5250.	4.5	11
30	Convolutional Neural Network to Stratify the Malignancy Risk of Thyroid Nodules: Diagnostic Performance Compared with the American College of Radiology Thyroid Imaging Reporting and Data System Implemented by Experienced Radiologists. <i>American Journal of Neuroradiology</i> , 2021, 42, 1513-1519.	2.4	11
31	Comparison of breast tissue markers for tumor localization in breast cancer patients undergoing neoadjuvant chemotherapy. <i>Ultrasonography</i> , 2019, 38, 336-344.	2.3	11
32	Thyroid Nodules With Nondiagnostic Cytologic Results: Follow-Up Management Using Ultrasound Patterns Based on the 2015 American Thyroid Association Guidelines. <i>American Journal of Roentgenology</i> , 2018, 210, 412-417.	2.2	10
33	First Experience in Korea of Stereotactic Partial Breast Irradiation for Low-Risk Early-Stage Breast Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 672.	2.8	10
34	Comparing recall rates following implementation of digital breast tomosynthesis to synthetic 2D images and digital mammography on women with breast-conserving surgery. <i>European Radiology</i> , 2020, 30, 6072-6079.	4.5	10
35	Role of elastography for downgrading BI-RADS category 4a breast lesions according to risk factors. <i>Acta Radiologica</i> , 2019, 60, 278-285.	1.1	9
36	Cytopathologic criteria and size should be considered in comparison of fine-needle aspiration vs. core-needle biopsy for thyroid nodules: results based on large surgical series. <i>Endocrine</i> , 2020, 70, 558-565.	2.3	8

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37	Diffusion-Weighted Magnetic Resonance Imaging for Breast Cancer Screening in High-Risk Women: Design and Imaging Protocol of a Prospective Multicenter Study in Korea. <i>Journal of Breast Cancer</i> , 2021, 24, 218.	1.9	8
38	Magnetic resonance metabolic profiling of estrogen receptor-positive breast cancer: correlation with currently used molecular markers. <i>Oncotarget</i> , 2017, 8, 63405-63416.	1.8	8
39	Annual Trends in Ultrasonography-Guided 14-Gauge Core Needle Biopsy for Breast Lesions. <i>Korean Journal of Radiology</i> , 2020, 21, 259.	3.4	8
40	Core-Needle Biopsy Does Not Show Superior Diagnostic Performance to Fine-Needle Aspiration for Diagnosing Thyroid Nodules. <i>Yonsei Medical Journal</i> , 2020, 61, 161.	2.2	8
41	Survival Rates of Breast Cancer Patients Aged 40 to 49 Years according to Detection Modality in Korea: Screening Ultrasound versus Mammography. <i>Korean Journal of Radiology</i> , 2021, 22, 159.	3.4	6
42	Frequencies and malignancy rates of 6-tiered Bethesda categories of thyroid nodules according to ultrasound assessment and nodule size. <i>Head and Neck</i> , 2018, 40, 1947-1954.	2.0	5
43	Follow-Up Strategies for Thyroid Nodules with Benign Cytology on Ultrasound-Guided Fine Needle Aspiration: Malignancy Rates of Management Guidelines Using Ultrasound Before and After the Era of the Bethesda System. <i>Thyroid</i> , 2019, 29, 1227-1236.	4.5	5
44	Strap muscle invasion in differentiated thyroid cancer does not impact disease-specific survival: a population-based study. <i>Scientific Reports</i> , 2020, 10, 18248.	3.3	5
45	Preoperative Magnetic Resonance Imaging Features Associated with Positive Resection Margins in Patients with Invasive Lobular Carcinoma. <i>Korean Journal of Radiology</i> , 2020, 21, 946.	3.4	5
46	Using ultrasonographic features to predict the outcomes of patients with small papillary thyroid carcinomas: a retrospective study implementing the 2015 ATA patterns and ACR TI-RADS categories. <i>Ultrasonography</i> , 2022, 41, 298-306.	2.3	4
47	Value of ultrasound-guided fine needle aspiration in diagnosing axillary lymph node recurrence after breast cancer surgery. <i>American Journal of Surgery</i> , 2018, 216, 969-973.	1.8	3
48	Atypical Ductal Hyperplasia on Ultrasonography-Guided Vacuum-Assisted Biopsy of the Breast. <i>Ultrasound Quarterly</i> , 2020, 36, 192-198.	0.8	3
49	Expanding applications of MRI-based radiomics in HER2-positive breast cancer. <i>EBioMedicine</i> , 2020, 61, 103085.	6.1	3
50	Outcomes Following Negative Screening MRI Results in Korean Women with a Personal History of Breast Cancer: Implications for the Next MRI Interval. <i>Radiology</i> , 2021, 300, 303-311.	7.3	3
51	Automated breast cancer lesion detection on breast MRI using artificial intelligence.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14612-e14612.	1.6	3
52	Associations between Bethesda categories and tumor characteristics of conventional papillary thyroid carcinoma. <i>Ultrasonography</i> , 2018, 37, 323-329.	2.3	3
53	Can Biannual Ultrasound Surveillance Detect Smaller Second Cancers or Detect Cancers Earlier in Patients with Breast Cancer History?. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1355-1363.	1.5	2
54	Ultrasonography surveillance in papillary thyroid carcinoma patients after total thyroidectomy according to dynamic risk stratification. <i>Endocrine</i> , 2020, 69, 347-357.	2.3	2

#	ARTICLE	IF	CITATIONS
55	US, Mammography, and Histopathologic Evaluation to Identify Low Nuclear Grade Ductal Carcinoma in Situ. <i>Radiology</i> , 2022, 303, 276-284.	7.3	2
56	Intrinsic Subtypes of Breast Cancers Initially Assessed as Probably Benign or of Low Suspicion on Ultrasonography Differ According to Tumor Size. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1503-1509.	1.7	1
57	Guideline Implementation on Fine-Needle Aspiration for Thyroid Nodules: Focusing on Micronodules. <i>Endocrine Practice</i> , 2020, 26, 1017-1025.	2.1	1
58	Factors Predicting Breast Cancer Development in Women During Surveillance After Surgery for Atypical Ductal Hyperplasia of the Breast: Analysis of Clinical, Radiologic, and Histopathologic Features. <i>Annals of Surgical Oncology</i> , 2020, 27, 3614-3622.	1.5	1
59	Automated artificial intelligence quantification of fibroglandular tissue on breast MRI.. <i>Journal of Clinical Oncology</i> , 2019, 37, e12071-e12071.	1.6	1
60	Does Post-Biopsy Mammography at Short-Term Interval Contribute to Early Detection of Cancer in Patients Diagnosed with Benign-Concordant Microcalcifications on Stereotactic Biopsy?. <i>Iranian Journal of Radiology</i> , 2019, 16, .	0.2	1
61	Sarcopenia increases the risk of major organ or vessel invasion in patients with papillary thyroid cancer. <i>Scientific Reports</i> , 2022, 12, 4233.	3.3	1
62	ASO Visual Abstract: Chronological Trends of Breast Ductal Carcinoma In Situ Clinical, Radiological, and Pathological Perspectives. <i>Annals of Surgical Oncology</i> , 2021, 28, 592-593.	1.5	0
63	Effect of the Menstrual Cycle on Background Parenchymal Enhancement Observed on Breast MRIs in Korean Women. <i>Journal of the Korean Society of Radiology</i> , 2015, 73, 158.	0.2	0
64	Medical Audit of Screening Mammography at a Tertiary Referral Hospital Using the 5th Edition of Breast Imaging Reporting and Data System. <i>Journal of the Korean Society of Radiology</i> , 2019, 80, 513.	0.2	0
65	Diagnostic Value of CYFRA 21-1 Measurement in Fine-Needle Aspiration Washouts for Detection of Axillary Recurrence in Postoperative Breast Cancer Patients. <i>Journal of the Korean Society of Radiology</i> , 2020, 81, 147.	0.2	0
66	Follow-Up Intervals for Breast Imaging Reporting and Data System Category 3 Lesions on Screening Ultrasound in Screening and Tertiary Referral Centers. <i>Korean Journal of Radiology</i> , 2020, 21, 1027.	3.4	0
67	Cancer yield and imaging features of probably benign calcifications at digital magnification view. <i>European Radiology</i> , 2022, , 1.	4.5	0
68	Feasibility study using multifocal Doppler twinkling artifacts to detect suspicious microcalcifications in ex vivo specimens of breast cancer on US. <i>Scientific Reports</i> , 2022, 12, 2857.	3.3	0
69	Editorial for "Breast Magnetic Resonance Imaging Can Detect Ki67 Discordance Between Core Needle Biopsy and Surgical Samples". <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 95-96.	3.4	0