Sun Mi Kim

List of Publications by Year
in descending order

59	1,115	471509	434195
papers	citations	17	31
		h-index	g-index

61	61	61	1746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Estrogen Receptor Expression Level and Hormonal Therapy on Prognosis of Early Breast Cancer. Cancer Research and Treatment, 2022, 54, 1081-1090.	3.0	6
2	An Artificial Tactile Neuron Enabling Spiking Representation of Stiffness and Disease Diagnosis. Advanced Materials, 2022, 34, e2201608.	21.0	20
3	Microcalcifications and Peritumoral Edema Predict Survival Outcome in Luminal Breast Cancer Treated with Neoadjuvant Chemotherapy. Radiology, 2022, 304, 310-319.	7.3	15
4	False-negative results on computer-aided detection software in preoperative automated breast ultrasonography of breast cancer patients. Ultrasonography, 2021, 40, 83-92.	2.3	6
5	Prognostic implications of regression of metastatic axillary lymph nodes after neoadjuvant chemotherapy in patients with breast cancer. Scientific Reports, 2021, 11, 12128.	3.3	5
6	Diagnostic Performance of Artificial Intelligence-Based Computer-Aided Diagnosis for Breast Microcalcification on Mammography. Diagnostics, 2021, 11, 1409.	2.6	11
7	Using a mobile device for margin assessment of specimen mammography in breast-conserving surgery. Medicine (United States), 2021, 100, e27243.	1.0	1
8	Ultrasonography and ultrasound-guided fine-needle aspiration biopsy can predict a heavy nodal metastatic burden in early-stage breast cancer. Ultrasonography, 2021, 40, 520-529.	2.3	2
9	Application of magnetic resonance computer-aided diagnosis for preoperatively determining invasive disease in ultrasonography-guided core needle biopsy-proven ductal carcinoma in situ. Medicine (United States), 2020, 99, e21257.	1.0	3
10	External validation and modification of nomogram for predicting positive resection margins before breast conserving surgery. Breast Cancer Research and Treatment, 2020, 183, 373-380.	2.5	4
11	Comparison of One- and Two-Region of Interest Strain Elastography Measurements in the Differential Diagnosis of Breast Masses. Korean Journal of Radiology, 2020, 21, 431.	3.4	2
12	Predictors of Invasive Breast Cancer in Patients With Ductal Carcinoma In Situ in Ultrasound‐Guided Core Needle Biopsy. Journal of Ultrasound in Medicine, 2019, 38, 481-488.	1.7	12
13	Comparison of the Diagnostic Performance of Synthetic Versus Acquired High b‐Value (1500) Tj ETQq1 1 0.784314 rgBT /Overlock Resonance Imaging, 2019, 49, 857-863.	3.4	19
14	Prediction of Subclinical Coronary Artery Disease With Breast Arterial Calcification and Low Bone Mass in AsymptomaticÂWomen. JACC: Cardiovascular Imaging, 2019, 12, 1202-1211.	5.3	42
15	Benign Breast Papilloma without Atypia: Outcomes of Surgical Excision versus US-guided Directional Vacuum-assisted Removal or US Follow-up. Radiology, 2019, 293, 72-80.	7.3	31
16	Usefulness of preoperative breast magnetic resonance imaging with a dedicated axillary sequence for the detection of axillary lymph node metastasis in patients with early ductal breast cancer. Radiologia Medica, 2019, 124, 1220-1228.	7.7	16
17	Reliability of automated versus handheld breast ultrasound examinations of suspicious breast masses. Ultrasonography, 2019, 38, 264-271.	2.3	12
18	Factors Affecting Breast Cancer Detectability on Digital Breast Tomosynthesis and Two-Dimensional Digital Mammography in Patients with Dense Breasts. Korean Journal of Radiology, 2019, 20, 58.	3.4	7

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19	Clinical Applications of Automated Breast Ultrasound: Screening for Breast Cancer. Journal of the Korean Society of Radiology, 2019, 80, 32.	0.2	1
20	A computer-aided diagnosis system using artificial intelligence for the diagnosis and characterization of breast masses on ultrasound. Medicine (United States), 2019, 98, e14146.	1.0	64
21	Joint Weakly and Semi-Supervised Deep Learning for Localization and Classification of Masses in Breast Ultrasound Images. IEEE Transactions on Medical Imaging, 2019, 38, 762-774.	8.9	107
22	A Survey on Current Trends of Breast Imaging Practices in Korea. Journal of the Korean Society of Radiology, 2019, 80, 919.	0.2	2
23	Comparison of strain and shear wave elastography for qualitative and quantitative assessment of breast masses in the same population. Scientific Reports, 2018, 8, 6197.	3.3	28
24	Development of a Management Algorithm for the Diagnosis of Cellular Fibroepithelial Lesions From Core Needle Biopsies. International Journal of Surgical Pathology, 2018, 26, 684-692.	0.8	9
25	Benign Intraductal Papilloma without Atypia on Core Needle Biopsy Has a Low Rate of Upgrading to Malignancy after Excision. Journal of Breast Cancer, 2018, 21, 80.	1.9	43
26	Logistic LASSO regression for the diagnosis of breast cancer using clinical demographic data and the BI-RADS lexicon for ultrasonography. Ultrasonography, 2018, 37, 36-42.	2.3	67
27	The Management Strategy of Benign Solitary Intraductal Papilloma on Breast Core Biopsy. Clinical Breast Cancer, 2017, 17, 367-372.	2.4	35
28	Real-time sentinel lymph node biopsy guidance using combined ultrasound, photoacoustic, fluorescence imaging: in vivo proof-of-principle and validation with nodal obstruction. Scientific Reports, 2017, 7, 45008.	3.3	47
29	Breast Cancer Screening With Mammography Plus Ultrasonography or Magnetic Resonance Imaging in Women 50 Years or Younger at Diagnosis and Treated With Breast Conservation Therapy. JAMA Oncology, 2017, 3, 1495.	7.1	112
30	Clinicopathological and Imaging Features of Breast Cancer in Korean Women under 40 Years of Age. Journal of the Korean Society of Radiology, 2017, 76, 375.	0.2	5
31	Ultrasound-guided cable-free 13-gauge vacuum-assisted biopsy of non-mass breast lesions. PLoS ONE, 2017, 12, e0179182.	2.5	13
32	Current Practices in Breast Magnetic Resonance Imaging: a Survey Involving the Korean Society of Breast Imaging. Investigative Magnetic Resonance Imaging, 2017, 21, 233.	0.4	1
33	Diagnosis of Columnar Cell Lesions and Atypical Ductal Hyperplasia by Ultrasound-Guided Core Biopsy: Findings Associated with Underestimation of Breast Carcinoma. Ultrasound in Medicine and Biology, 2016, 42, 1457-1463.	1.5	8
34	Reliability of Computer-Assisted Breast Density Estimation: Comparison of Interactive Thresholding, Semiautomated, and Fully Automated Methods. American Journal of Roentgenology, 2016, 207, 126-134.	2.2	5
35	Prognostic Significance of Transverse Relaxation Rate (R2*) in Blood Oxygenation Level-Dependent Magnetic Resonance Imaging in Patients with Invasive Breast Cancer. PLoS ONE, 2016, 11, e0158500.	2.5	4
36	Breast Magnetic Resonance Imaging-Guided Biopsy. Journal of the Korean Society of Radiology, 2016, 74, 351.	0.2	2

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37	Reproducibility of Apparent Diffusion Coefficient Measurements in Malignant Breast Masses. Journal of Korean Medical Science, 2015, 30, 1689.	2.5	9
38	Prognostic Significance of a Complete Response on Breast MRI in Patients Who Received Neoadjuvant Chemotherapy According to the Molecular Subtype. Korean Journal of Radiology, 2015, 16, 986.	3.4	17
39	Does Adding Diffuse Optical Tomography to Sonography Improve Differentiation Between Benign and Malignant Breast Lesions?. Journal of Ultrasound in Medicine, 2015, 34, 749-757.	1.7	2
40	A prototype hand-held tri-modal instrument for <i>in vivo</i> ultrasound, photoacoustic, and fluorescence imaging. Review of Scientific Instruments, 2015, 86, 034901.	1.3	17
41	A Novel Cascade Classifier for Automatic Microcalcification Detection. PLoS ONE, 2015, 10, e0143725.	2.5	6
42	Significance of incidentally detected oval, circumscribed enhancing lesions on preoperative breast MRI.. Journal of Clinical Oncology, 2015, 33, 12-12.	1.6	0
43	Trastuzumab-Conjugated Liposome-Coated Fluorescent Magnetic Nanoparticles to Target Breast Cancer. Korean Journal of Radiology, 2014, 15, 411.	3.4	53
44	A New Full-Field Digital Mammography System with and without the Use of an Advanced Post-Processing Algorithm: Comparison of Image Quality and Diagnostic Performance. Korean Journal of Radiology, 2014, 15, 305.	3.4	5
45	Clinical and Radiologic Features of Neuroendocrine Breast Carcinomas. Journal of Ultrasound in Medicine, 2014, 33, 1511-1518.	1.7	11
46	Axillary ultrasonographic criteria to predict chemotherapy response in breast cancer patients receiving neoadjuvant chemotherapy.. Journal of Clinical Oncology, 2014, 32, 48-48.	1.6	1
47	Magnetic Resonance Imaging Factors Predicting Re-excision in Breast Cancer Patients Having Undergone Conserving Therapy. Journal of the Korean Society of Magnetic Resonance in Medicine, 2014, 18, 133.	0.1	3
48	Comparison of Sonography With Sonographically Guided Fine‚Needle Aspiration Biopsy and Core‚Needle Biopsy for Initial Axillary Staging of Breast Cancer. Journal of Ultrasound in Medicine, 2013, 32, 2177-2184.	1.7	22
49	Quantitative analysis of breast parenchymal background enhancement (BPE) on magnetic resonance (MR) imaging: Association with mammographic breast density and aggressiveness of the primary cancer in postmenopausal women.. Journal of Clinical Oncology, 2013, 31, 38-38.	1.6	3
50	Comparison of ultrasound with ultrasound-guided fine-needle aspiration biopsy and core needle biopsy for initial axillary staging of breast cancer patients.. Journal of Clinical Oncology, 2013, 31, 96-96.	1.6	1
51	A Comparison of Logistic Regression Analysis and an Artificial Neural Network Using the BI-RADS Lexicon for Ultrasonography in Conjunction with Introbserver Variability. Journal of Digital Imaging, 2012, 25, 599-606.	2.9	15
52	Contralateral lesions detected by preoperative MRI in patients with recently diagnosed breast cancer: Application of MR CAD in differentiation of benign and malignant lesions. European Journal of Radiology, 2012, 81, 1520-1526.	2.6	9
53	Five-years of Breast Cancer Management in a New Hospital: Analysis Using Clinical Data Warehouse. Journal of Breast Cancer, 2010, 13, 96.	1.9	2
54	Adenoma of the Nipple. [Chapchi] Journal Taehan Oekwa Hakhoe, 2009, 77, 134.	1.1	0

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55	Ultrasound-guided vacuum-assisted biopsy of microcalcifications detected at screening mammography. Acta Radiologica, 2009, 50, 602-609.	1.1	33
56	The Axillary Arch of Langer (Axillopectoral Muscle): A Case Report. Journal of Breast Cancer, 2008, 11, 106.	1.9	1
57	Screening Mammographyâ€"detected Cancers: Sensitivity of a Computer-aided Detection System Applied to Full-Field Digital Mammograms. Radiology, 2007, 244, 104-111.	7.3	70
58	Sonographically Guided Core Biopsy of the Breast: Comparison of 14-Gauge Automated Gun and 11-Gauge Directional Vacuum-Assisted Biopsy Methods. Korean Journal of Radiology, 2005, 6, 102.	3.4	65
59	Reproducibility of Computer-Aided Detection System in Digital Mammograms. Journal of the Korean Radiological Society, 2005, 52, 137.	0.0	3