

# Seong-Ho Son

## List of Publications by Year in descending order

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43  
papers

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citations

1040018

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h-index

940516

16  
g-index

43  
all docs

43  
docs citations

43  
times ranked

212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preclinical Prototype Development of a Microwave Tomography System for Breast Cancer Detection. ETRI Journal, 2010, 32, 901-910.	2.0	51
2	GA-Based Design of Multi-Ring Arrays With Omnidirectional Conical Beam Pattern. IEEE Transactions on Antennas and Propagation, 2010, 58, 1527-1535.	5.1	31
3	MUSIC algorithm for location searching of dielectric anomalies from S-parameters using microwave imaging. Journal of Computational Physics, 2017, 348, 259-270.	3.8	25
4	Application and analysis of direct sampling method in real-world microwave imaging. Applied Mathematics Letters, 2019, 96, 47-53.	2.7	20
5	3D Microwave Breast Imaging Based on Multistatic Radar Concept System. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2012, 12, 107-114.	3.0	19
6	Microwave Tomography Analysis System for Breast Tumor Detection. Journal of Medical Systems, 2012, 36, 1757-1767.	3.6	17
7	Advanced Fast 3-D Electromagnetic Solver for Microwave Tomography Imaging. IEEE Transactions on Medical Imaging, 2017, 36, 2160-2170.	8.9	16
8	Experimental Measurement System for 3-6 GHz Microwave Breast Tomography. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2015, 15, 250-257.	3.0	12
9	Numerical and experimental assessments of focused microwave thermotherapy system at 925 MHz. ETRI Journal, 2019, 41, 850-862.	2.0	11
10	Sensing probe for 3-6 GHz microwave imaging systems. Electronics Letters, 2014, 50, 1049-1050.	1.0	10
11	Fourier irregularity index: A new approach to measure tumor mass irregularity in breast mammogram images. Multimedia Tools and Applications, 2015, 74, 3783-3798.	3.9	8
12	Investigation of spatial resolution in a microwave tomography system. , 2014, , .		6
13	Predictive Variables for Sonographically Guided Corticosteroid Injection in Mild-to-Moderate Carpal Tunnel Syndrome. Annals of Rehabilitation Medicine, 2018, 42, 213.	1.6	6
14	Computational study on focused microwave thermotherapy for knee pathological treatment. IET Microwaves, Antennas and Propagation, 2018, 12, 1901-1907.	1.4	6
15	Analysis of the Super-Resolution Effect on Microwave Tomography. Radio Science, 2018, 53, 1452-1471.	1.6	5
16	A fast electromagnetic solver for microwave medical imaging. , 2014, , .		4
17	Modeling of a probe antenna for 3D microwave tomography. , 2014, , .		4
18	Acceleration of electromagnetic solver for microwave tomography. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Could Ultrasound-Guided Stimulation of Sural Nerve Affect Nerve Conduction Study?. Annals of Rehabilitation Medicine, 2019, 43, 74-80.	1.6	4
20	Clinical trial of Microwave Tomography imaging. , 2016, , .		3
21	A real-time microwave imaging of unknown anomaly with and without diagonal elements of scattering matrix. Results in Physics, 2020, 17, 103104.	4.1	3
22	Investigation of Phase Singularity Problem in Microwave Breast Tomography. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2014, 14, 332-335.	3.0	3
23	Application of MUSIC to microwave imaging for detection of dielectric anomalies. , 2017, , .		2
24	MR images-Based Microwave Focusing for Thermal Therapy. , 2017, , .		2
25	Overcoming Insufficient Microwave Scattering Data in Microwave Tomographic Imaging. IEEE Access, 2021, 9, 111231-111237.	4.2	2
26	Ring-shaped antenna array for multistatic microwave breast imaging systems. Microwave and Optical Technology Letters, 2021, 63, 1906-1912.	1.4	2
27	Design and preliminary experiments of a precision microwave tomography system. Microwave and Optical Technology Letters, 2015, 57, 2445-2448.	1.4	1
28	Study of microwave energy localization in human tissue. , 2017, , .		1
29	Auto-phase calibration loop of a transmission array for focused microwave thermotherapy. , 2017, , .		1
30	Transmission array of a focused microwave thermotherapy system for leg diseases. , 2017, , .		1
31	Deep Body Microwave Hyperthermia Device for Personal Uses from Focused Microwave Thermotherapy System. , 2018, , .		1
32	Method for Scattering of Electromagnetic Waves From the Human Body Based on Truncated Norton Surface Wave Approximation. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1631-1635.	4.0	1
33	Radiation performance measurement of an antenna operating in lossy media. Microwave and Optical Technology Letters, 2020, 62, 387-390.	1.4	1
34	Design of Size-Reduced Power Dividers Using Both Inductive and Capacitive Perturbation Structures. The Journal of Korean Institute of Information Technology, 2020, 18, 65-72.	0.3	1
35	Verification of in-place calibration for time-domain microwave imaging. , 2016, , .		0
36	Stabilization effect by the temperature of immersion liquid in the 6 GHz microwave tomography system. Microwave and Optical Technology Letters, 2016, 58, 461-464.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Computer aided diagnosis with boosted learning for anomaly detection in microwave tomography. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2017, 17, 39-47.	0.9	0
38	Pilot study: Differences in echo intensity ratios between ulnar and median innervated muscles in ulnar neuropathy. Muscle and Nerve, 2019, 60, 387-391.	2.2	0
39	Application of Doherty Power Combiners with Shunt Resonators Added to Microwave Amplifiers. The Journal of Korean Institute of Information Technology, 2021, 19, 71-79.	0.3	0
40	MOM-Based Born Iterative Method for Medical Microwave Imaging. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2012, 23, 524-532.	0.3	0
41	Study of Microwave Propagation Characteristics of Matching Liquids for the Microwave Cancer Detection System. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2014, 25, 442-450.	0.3	0
42	Testbed and Experiments for Focused Microwave Thermotherapy. , 2019, , .		0
43	Knock sensing and imaging from structural bending waves. ICT Express, 2022, 8, 494-498.	4.8	0