Kai Ren

List of Publications by Year
in descending order

18 papers	**137** citations	1307594 **7** h-index	1281871 **11** g-index
18 all docs	**18** docs citations	**18** times ranked	**109** citing authors

#	Article	IF	Citations
1	Geometric Parameter Estimation of Buried Objects in Near-Field Microwave Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
2	Direction Finding Using a Single Antenna With Blade Modulation. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 873-877.	4.0	5
3	A 3-D Novel Fast Back-Projection Imaging Algorithm for Stratified Media Based on Near-Field Monostatic and Bistatic SAR. IEEE Transactions on Antennas and Propagation, 2021, 69, 2326-2335.	5.1	7
4	CONTACT ECG RECORDING USING COPPER AND E-TEXTILE BASED FLEXIBLE DRY ELECTRODES. Progress in Electromagnetics Research M, 2021, 101, 47-58.	0.9	3
5	Performance-Enhancement of Platform-Based, HF Direction-Finding Systems Using Dynamic Mode Selection. IEEE Open Journal of Antennas and Propagation, 2021, 2, 793-806.	3.7	8
6	Design of Dual-Polarized, Platform-Based HF Antennas Using the Characteristic Mode Theory. IEEE Transactions on Antennas and Propagation, 2020, 68, 5130-5141.	5.1	16
7	A Pole-Extraction Algorithm for Wall Characterization in Through-the-Wall Imaging Systems. IEEE Transactions on Antennas and Propagation, 2019, 67, 7106-7113.	5.1	18
8	A Fast Back-Projection Approach to Diffraction Tomography for Near-Field Microwave Imaging. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2170-2174.	4.0	11
9	Experimental Demonstration of the Shadow Projection Algorithm for Near-Field Microwave Imaging of Buried Objects in Layered Media. , 2019, , .		0
10	Earth-Effect Emulation Using Periodic Structures in Scaled-Model Characterization of HF Antennas. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2731-2735.	4.0	2
11	A 3-D Uniform Diffraction Tomographic Algorithm for Near-Field Microwave Imaging Through Stratified Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 3034-3045.	5.1	14
12	Near-Field Microwave Imaging of Embedded Objects in a Dense Slab with Normal Dipole Illumination. , 2018, , .		1
13	Identification of Hidden Objects in Layered Media With Shadow Projection Near-Field Microwave Imaging. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1590-1594.	3.1	14
14	A fast uniform 3D near-field microwave imaging method for layered media. , 2017, , .		0
15	A uniform diffraction tomographic algorithm for real-time portable microwave imaging. , 2016, , .		3
16	A Uniform Diffraction Tomographic Imaging Algorithm for Near-Field Microwave Scanning Through Stratified Media. IEEE Transactions on Antennas and Propagation, 2016, 64, 5198-5207.	5.1	21
17	Investigation of gaps between blocks in microwave images of multilayered walls. , 2015, , .		10
18	Fast radar imaging algorithm for the detection of objects embedded in a stratified medium. , 2015, , .		1