Kung-Hau Ding

List of Publications by Year
in descending order

22 papers	1,673 citations	759233 12 h-index	940533 16 g-index
23 all docs	23 docs citations	23 times ranked	1225 citing authors

#	ARTICLE	IF	CITATIONS
1	Rice crop mapping and monitoring using ERS-1 data based on experiment and modeling results. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 41-56.	6.3	484
2	Dense media radiative transfer theory based on quasicrystalline approximation with applications to passive microwave remote sensing of snow. Radio Science, 2000, 35, 731-749.	1.6	195
3	Electromagnetic Scattering by Bicontinuous Random Microstructures With Discrete Permittivities. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3139-3151.	6.3	81
4	Electromagnetic Computation in Scattering of Electromagnetic Waves by Random Rough Surface and Dense Media in Microwave Remote Sensing of Land Surfaces. Proceedings of the IEEE, 2013, 101, 255-279.	21.3	62
5	Microwave emission and scattering of foam based on monte carlo simulations of dense media. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 782-790.	6.3	45
6	Forward electromagnetic scattering models for sea ice. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1655-1674.	6.3	43
7	Inverse electromagnetic scattering models for sea ice. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1675-1704.	6.3	42
8	Frequency dependence of scattering and extinction of dense media based on three-dimensional simulations of Maxwell's equations with applications to snow. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1844-1852.	6.3	36
9	Microwave Scattering and Medium Characterization for Terrestrial Snow With QCA–Mie and Bicontinuous Models: Comparison Studies. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3637-3648.	6.3	24
10	Subwavelength imaging enhancement through a three-dimensional plasmon superlens with rough surface. Optics Letters, 2012, 37, 1295.	3.3	21
11	Thin saline ice thickness retrieval using time-series C-band polarimetric radar measurements. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1589-1598.	6.3	20
12	Image enhancement for flat and rough film plasmon superlenses by adding loss. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2499.	2.1	14
13	Frequency dependence of scattering by dense media of small particles based on Monte Carlo simulation of Maxwell equations. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 153-161.	6.3	8
14	Studies of the influence of deep subwavelength surface roughness on fields of plasmonic thin film based on Lippmann–Schwinger equation in the spectral domain. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 878.	2.1	4
15	A sparse matrix iterative approach for modeling tree scattering. Microwave and Optical Technology Letters, 2003, 38, 198-202.	1.4	3
16	Scattering and emission models for microwave remote sensing of snow using numerical solutions of maxwell equations. , 2016, , .		3
17	Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light Scattering by Metal Nanoparticles. Nanostructure Science and Technology, 2007, , 341-370.	0.1	1
18	Theory And Application Of Dense Media Radiative Transfer Equation To Volume Scattering Problems In Microwave Remote Sensing. , 0, , .		0

#	Article	IF	Citations
19	Multiple Volume Scattering Effects In Microwave Polarimetric Remote Sensing. , 1989, , .		0
20	Optical imaging over a plasmonic thin film with deep-subwavelength surface roughness. , 2014, , .		0
21	Computational Electromagnetic Scattering Models for Microwave Remote Sensing. , 0, , .		0
22	Radiation, Volume Scattering. Encyclopedia of Earth Sciences Series, 2014, , 595-606.	0.1	0