Roger H Lang

List of Publications by Year
in descending order

14	552	1163117 8	1588992 8
papers	citations	h-index	g-index

14	14	14	355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetic Backscattering from a Layer of Vegetation: A Discrete Approach. IEEE Transactions on Geoscience and Remote Sensing, 1983, GE-21, 62-71.	6.3	213
2	Electromagnetic backscattering from a sparse distribution of lossy dielectric scatterers. Radio Science, 1981, 16, 15-30.	1.6	149
3	Scattering from thin dielectric disks. IEEE Transactions on Antennas and Propagation, 1985, 33, 1410-1413.	0.8	60
4	Radiometer design analysis based upon measurement uncertainty. Radio Science, 2005, 40, n/a-n/a.	1.6	37
5	L-Band Model Function of the Dielectric Constant of Seawater. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6964-6974.	6.3	28
6	L-Band Radar Estimation of Forest Attenuation for Active/Passive Soil Moisture Inversion. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3026-3040.	6.3	25
7	Scattering from a layer of discrete random medium over a random interface: application to microwave backscattering from forests. Waves in Random and Complex Media, 2004, 14, S359-S391.	1.5	19
8	L-Band Radar Experiment and Modeling of a Corn Canopy Over a Full Growing Season. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5821-5835.	6.3	16
9	Antenna beamwidth effect in detecting microwave enhanced backscatter in a layer of vegetation. , 2017, , .		2
10	Scattering from a layer of vegetation: Enhancement effects. , 2017, , .		2
11	Pseudo-Cyclic Enhancement Mechanisms in a Discrete Random Halfspace. , 2018, , .		1
12	Dielectric constant measurements for remote sensing of seawater salinity. , 2017, , .		0
13	Out-of-plane enhancement in a discrete random halfspace. Waves in Random and Complex Media, 2020, , 1-24.	2.7	0
14	High Frequency Space Correlation Function in a 2D-Trunk Dominated Forest. , 2022, , .		0