

Edward

List of Publications by Year in descending order

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452
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Scattering Characteristics of 3-D Lunar Regolith Particles Measured Using X-Ray Nano Computed Tomography. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
2	Design of a 3000-Pixel Transition-Edge Sensor X-Ray Spectrometer for Microcircuit Tomography. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	11
3	Asymmetric carbon nanotube dimers embedded in a dielectric slab: new plasmonic resonance behavior. Optics Express, 2021, 29, 42495.	1.7	1
4	Using surface asperities for efficient random particle overlap detection in the generation of randomly oriented and located particle arrangements. Powder Technology, 2021, 399, 116979-116979.	2.1	1
5	Plasmonic Nanoantenna Optimization Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2020, 68, 43-53.	3.1	18
6	Microwave Measurements for Conductive Anisotropic Materials. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4913-4924.	2.9	2
7	Electromagnetic resonance analysis of asymmetric carbon nanotube dimers for sensing applications. Nanotechnology, 2020, 31, 425501.	1.3	6
8	Materials Characterization With Multiple Offset Reflects at Frequencies to 110 GHz. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 184-195.	2.9	5
9	Novel Electromagnetic Scattering Model for Carbon Nanotube Composites using the Multilayer Green's Function Approach. , 2019, , .		1
10	Electromagnetic Scattering From Multiple Single-Walled Carbon Nanotubes Having Tumbleweed Configurations. IEEE Transactions on Antennas and Propagation, 2017, 65, 3192-3202.	3.1	7
11	Electromagnetic Scattering From Individual Crumpled Graphene Flakes: A Characteristic Modes Approach. IEEE Transactions on Antennas and Propagation, 2017, 65, 6035-6047.	3.1	14
12	Quantifying the 3-Dimensional Shape of Lunar Regolith Particles Using X-Ray Computed Tomography and Scanning Electron Microscopy at Sub- μm Resolution. Microscopy and Microanalysis, 2017, 23, 2194-2195.	0.2	7
13	Electromagnetic Resonances of Individual Single-Walled Carbon Nanotubes With Realistic Shapes: A Characteristic Modes Approach. IEEE Transactions on Antennas and Propagation, 2016, 64, 2743-2757.	3.1	21
14	Electromagnetic Scattering From Randomly-Centered Parallel Single-Walled Carbon Nanotubes Embedded in a Dielectric Slab. IEEE Transactions on Antennas and Propagation, 2014, 62, 5230-5241.	3.1	16
15	A model investigation of the influence of particle shape on portland cement hydration. Cement and Concrete Research, 2006, 36, 1007-1015.	4.6	85
16	Effects of cement particle size distribution on performance properties of Portland cement-based materials. Cement and Concrete Research, 1999, 29, 1663-1671.	4.6	271