Jerrell R Ballard Jr

List of Publications by Year
in descending order

21	61	1937685 4	2053705 5
papers	citations	h-index	g-index

21	21	21	47
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling the radiative response of a high facet count rainforest for synthetic sensor imagery. , 2021, , .		0
2	Partitioning Terabyte-scale Faceted Geometry Models for Efficient Parallel Ray Tracing Using Out-of-core Memory. , 2020, , .		0
3	Massively parallel synthetic sensor-based infrared image generation for object detection. , 2020, , .		0
4	Exploitable synthetic sensor imagery from high-fidelity, physics-based target and background modeling. , 2019, , .		0
5	Simulated transient thermal infrared emissions of forest canopies during rainfall events. Proceedings of SPIE, 2017, , .	0.8	1
6	Laboratory-Based Rainfall Effects on LWIR Soil Reflectance. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 627-630.	3.1	5
7	Apparent soil thermal diffusivity determinatior method for use in thermal modeling. , 2007, , .		0
8	A rapid meshing technique for simulations of near- surface phenomena involving remote sensing technology Large-scale meshing for remote sensing simulations. , 2007, , .		0
9	High-resolution spatial measurements of minefield vegetation density and modeled surface heat flux. , 2005, , .		0
10	High temporal and spatial thermal infrared characterization of dense grass during high-humidity conditions. , 2004, , .		1
11	Toward a high-temporal-frequency grass canopy thermal IR model for background signatures. , 2004, , .		5
12	<title>Basic development and testing of a short-range laser profiling model</title>. , 2003, , .		1
13	Methodology of real-time simulation to support field testing of dual-mode smart munitions sensors. , 2003, , .		0
14	Directional satellite thermal IR measurements and modeling of a forest in winter and their relationship to air temperature. , 2002, 4542, 162.		0
15	<title>Hyperspectral canopy reflectance modeling and EO-1 Hyperion</title>. , 2002, , .		2
16	Integration of a V&V smart munition model into OneSAF testbed baseline for simulation and training. , 2001, , .		0
17	Thermal infrared hot spot and dependence on canopy geometry. Optical Engineering, 2001, 40, 1435.	1.0	10
18	Effect of spatial resolution on thermal and near-infrared sensing of canopies. Optical Engineering, 1999, 38, 1413.	1.0	10

#	Article	IF	Citations
19	<title>Sensor-based validation of synthetic thermal scenes: how close is good enough?</title>. , 1998, 3375, 304.		2
20	Effect of spatial resolution on thermal IR sensing of plant canopies. , 1998, , .		0
21	Effect of three-dimensional canopy architecture on thermal infrared exitance. Optical Engineering, 1997, 36, 3093.	1.0	24