

Jerrell R Ballard Jr

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

61
citations

1937685

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2053705

5
g-index

21
all docs

21
docs citations

21
times ranked

47
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of three-dimensional canopy architecture on thermal infrared exitance. Optical Engineering, 1997, 36, 3093.	1.0	24
2	Effect of spatial resolution on thermal and near-infrared sensing of canopies. Optical Engineering, 1999, 38, 1413.	1.0	10
3	Thermal infrared hot spot and dependence on canopy geometry. Optical Engineering, 2001, 40, 1435.	1.0	10
4	Toward a high-temporal-frequency grass canopy thermal IR model for background signatures. , 2004, , .		5
5	Laboratory-Based Rainfall Effects on LWIR Soil Reflectance. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 627-630.	3.1	5
6	<title>Sensor-based validation of synthetic thermal scenes: how close is good enough?</title>. , 1998, 3375, 304.		2
7	<title>Hyperspectral canopy reflectance modeling and EO-1 Hyperion</title>. , 2002, , .		2
8	<title>Basic development and testing of a short-range laser profiling model</title>. , 2003, , .		1
9	High temporal and spatial thermal infrared characterization of dense grass during high-humidity conditions. , 2004, , .		1
10	Simulated transient thermal infrared emissions of forest canopies during rainfall events. Proceedings of SPIE, 2017, , .	0.8	1
11	Effect of spatial resolution on thermal IR sensing of plant canopies. , 1998, , .		0
12	Integration of a V&V smart munition model into OneSAF testbed baseline for simulation and training. , 2001, , .		0
13	Directional satellite thermal IR measurements and modeling of a forest in winter and their relationship to air temperature. , 2002, 4542, 162.		0
14	Methodology of real-time simulation to support field testing of dual-mode smart munitions sensors. , 2003, , .		0
15	High-resolution spatial measurements of minefield vegetation density and modeled surface heat flux. , 2005, , .		0
16	Apparent soil thermal diffusivity determinator method for use in thermal modeling. , 2007, , .		0
17	A rapid meshing technique for simulations of near- surface phenomena involving remote sensing technology Large-scale meshing for remote sensing simulations. , 2007, , .		0
18	Modeling the radiative response of a high facet count rainforest for synthetic sensor imagery. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Exploitable synthetic sensor imagery from high-fidelity, physics-based target and background modeling. , 2019, , .		0
20	Partitioning Terabyte-scale Faceted Geometry Models for Efficient Parallel Ray Tracing Using Out-of-core Memory. , 2020, , .		0
21	Massively parallel synthetic sensor-based infrared image generation for object detection. , 2020, , .		0