

Kyle Bradbury

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

792
citations

1478505

6
h-index

1720034

7
g-index

31
all docs

31
docs citations

31
times ranked

764
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic viability of energy storage systems based on price arbitrage potential in real-time U.S. electricity markets. <i>Applied Energy</i> , 2014, 114, 512-519.	10.1	274
2	Automatic detection of solar photovoltaic arrays in high resolution aerial imagery. <i>Applied Energy</i> , 2016, 183, 229-240.	10.1	118
3	Distributed solar photovoltaic array location and extent dataset for remote sensing object identification. <i>Scientific Data</i> , 2016, 3, 160106.	5.3	73
4	Large-Scale Semantic Classification: Outcome of the First Year of Inria Aerial Image Labeling Benchmark. , 2018, , .		55
5	Automatic solar photovoltaic panel detection in satellite imagery. , 2015, , .		53
6	Estimating residential building energy consumption using overhead imagery. <i>Applied Energy</i> , 2020, 280, 116018.	10.1	43
7	A deep convolutional neural network and a random forest classifier for solar photovoltaic array detection in aerial imagery. , 2016, , .		33
8	A deep convolutional neural network, with pre-training, for solar photovoltaic array detection in aerial imagery. , 2017, , .		33
9	The Synthinel-1 dataset: a collection of high resolution synthetic overhead imagery for building segmentation. , 2020, , .		20
10	Image features for pixel-wise detection of solar photovoltaic arrays in aerial imagery using a random forest classifier. , 2016, , .		15
11	The poor generalization of deep convolutional networks to aerial imagery from new geographic locations: an empirical study with solar array detection. , 2017, , .		10
12	Estimating the electricity generation capacity of solar photovoltaic arrays using only color aerial imagery. , 2017, , .		8
13	Utilizing Geospatial Data for Assessing Energy Security: Mapping Small Solar Home Systems Using Unmanned Aerial Vehicles and Deep Learning. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 222.	2.9	8
14	SIMPL: Generating Synthetic Overhead Imagery to Address Custom Zero-Shot and Few-Shot Detection Problems. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4386-4396.	4.9	7
15	Non-intrusive load monitoring system performance over a range of low frequency sampling rates. , 2017, , .		5
16	Deep Convolutional Segmentation of Remote Sensing Imagery: A Simple and Efficient Alternative to Stitching Output Labels. , 2018, , .		5
17	Training a single multi-class convolutional segmentation network using multiple datasets with heterogeneous labels: preliminary results. , 2019, , .		5
18	Performance comparison framework for energy disaggregation systems. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	The poor generalization of deep convolutional networks to aerial imagery from new geographic locations: an empirical study with solar array detection. , 2017, , .		4
20	GridTracer: Automatic Mapping of Power Grids Using Deep Learning and Overhead Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4956-4970.	4.9	4
21	A simple rotational equivariance loss for generic convolutional segmentation networks: preliminary results. , 2019, , .		3
22	Trading spatial resolution for improved accuracy when using detection algorithms on remote sensing imagery. , 2017, , .		2
23	Semisupervised Adversarial Discriminative Domain Adaptation, with Application to Remote Sensing Data. , 2018, , .		2
24	Do Deep Learning Models Generalize to Overhead Imagery from Novel Geographic Domains? The xGD Benchmark Problem. , 2020, , .		2
25	Real-time Gaussian Markov random-field-based ground tracking for ground penetrating radar data. , 2009, , .		1
26	Trading spatial resolution for improved accuracy in remote sensing imagery: an empirical study using synthetic data. , 2017, , .		1
27	On The Extraction of Training Imagery from Very Large Remote Sensing Datasets for Deep Convolutional Segmentation Networks. , 2018, , .		1
28	Automated Building Energy Consumption Estimation from Aerial Imagery. , 2018, , .		1
29	Wind Turbine Detection with Synthetic Overhead Imagery. , 2021, , .		1
30	Designing Synthetic Overhead Imagery to Match a Target Geographic Region: Preliminary Results Training Deep Learning Models. , 2020, , .		1
31	Mapping Electric Transmission Line Infrastructure from Aerial Imagery with Deep Learning. , 2020, , .		0