

# Kyle Bradbury

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2321147/publications.pdf>

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	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
2	Utilizing Geospatial Data for Assessing Energy Security: Mapping Small Solar Home Systems Using Unmanned Aerial Vehicles and Deep Learning. ISPRS International Journal of Geo-Information, 2022, 11, 222.	2.9	8
3	SIMPL: Generating Synthetic Overhead Imagery to Address Custom Zero-Shot and Few-Shot Detection Problems. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4386-4396.	4.9	7
4	Wind Turbine Detection with Synthetic Overhead Imagery. , 2021, , .		1
5	Estimating residential building energy consumption using overhead imagery. Applied Energy, 2020, 280, 116018.	10.1	43
6	The Synthinel-1 dataset: a collection of high resolution synthetic overhead imagery for building segmentation. , 2020, , .		20
7	Do Deep Learning Models Generalize to Overhead Imagery from Novel Geographic Domains? The xGD Benchmark Problem. , 2020, , .		2
8	Designing Synthetic Overhead Imagery to Match a Target Geographic Region: Preliminary Results Training Deep Learning Models. , 2020, , .		1
9	Mapping Electric Transmission Line Infrastructure from Aerial Imagery with Deep Learning. , 2020, , .		0
10	Training a single multi-class convolutional segmentation network using multiple datasets with heterogeneous labels: preliminary results. , 2019, , .		5
11	A simple rotational equivariance loss for generic convolutional segmentation networks: preliminary results. , 2019, , .		3
12	Large-Scale Semantic Classification: Outcome of the First Year of Inria Aerial Image Labeling Benchmark. , 2018, , .		55
13	Semisupervised Adversarial Discriminative Domain Adaptation, with Application to Remote Sensing Data. , 2018, , .		2
14	On The Extraction of Training Imagery from Very Large Remote Sensing Datasets for Deep Convolutional Segmentation Networks. , 2018, , .		1
15	Automated Building Energy Consumption Estimation from Aerial Imagery. , 2018, , .		1
16	Deep Convolutional Segmentation of Remote Sensing Imagery: A Simple and Efficient Alternative to Stitching Output Labels. , 2018, , .		5
17	Non-intrusive load monitoring system performance over a range of low frequency sampling rates. , 2017, , .		5
18	A deep convolutional neural network, with pre-training, for solar photovoltaic array detection in aerial imagery. , 2017, , .		33

#	ARTICLE	IF	CITATIONS
19	Estimating the electricity generation capacity of solar photovoltaic arrays using only color aerial imagery. , 2017, , .		8
20	Trading spatial resolution for improved accuracy when using detection algorithms on remote sensing imagery. , 2017, , .		2
21	The poor generalization of deep convolutional networks to aerial imagery from new geographic locations: an empirical study with solar array detection. , 2017, , .		4
22	Trading spatial resolution for improved accuracy in remote sensing imagery: an empirical study using synthetic data. , 2017, , .		1
23	The poor generalization of deep convolutional networks to aerial imagery from new geographic locations: an empirical study with solar array detection. , 2017, , .		10
24	Image features for pixel-wise detection of solar photovoltaic arrays in aerial imagery using a random forest classifier. , 2016, , .		15
25	A deep convolutional neural network and a random forest classifier for solar photovoltaic array detection in aerial imagery. , 2016, , .		33
26	Distributed solar photovoltaic array location and extent dataset for remote sensing object identification. Scientific Data, 2016, 3, 160106.	5.3	73
27	Automatic detection of solar photovoltaic arrays in high resolution aerial imagery. Applied Energy, 2016, 183, 229-240.	10.1	118
28	Performance comparison framework for energy disaggregation systems. , 2015, , .		4
29	Automatic solar photovoltaic panel detection in satellite imagery. , 2015, , .		53
30	Economic viability of energy storage systems based on price arbitrage potential in real-time U.S. electricity markets. Applied Energy, 2014, 114, 512-519.	10.1	274
31	Real-time Gaussian Markov random-field-based ground tracking for ground penetrating radar data. , 2009, , .		1