Graham W Taylor

List of Publications by Year
in descending order

36 papers	1,314 citations	777949 13 h-index	939365 18 g-index
37 all docs	37 docs citations	37 times ranked	1825 citing authors

#	ARTICLE	IF	CITATIONS
1	Bulk arthropod abundance, biomass and diversity estimation using deep learning for computer vision. Methods in Ecology and Evolution, 2022, 13, 346-357.	2.2	17
2	Learning with Less Labels in Digital Pathology Via Scribble Supervision from Natural Images. , 2022, , .		0
3	Similarity learning networks for animal individual re-identification: an ecological perspective. Mammalian Biology, 2022, 102, 899-914.	0.8	5
4	Learning temporal attention in dynamic graphs with bilinear interactions. PLoS ONE, 2021, 16, e0247936.	1.1	12
5	Machine Learning–Based Predictive Modeling of Anxiety and Depressive Symptoms During 8 Months of the COVID-19 Global Pandemic: Repeated Cross-sectional Survey Study. JMIR Mental Health, 2021, 8, e32876.	1.7	10
6	One Health Informatics and the stewardship of complex systems. , 2021, , .		0
7	Multisource Domain Adaptation for Remote Sensing Using Deep Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3328-3340.	2.7	18
8	Three critical factors affecting automated image species recognition performance for camera traps. Ecology and Evolution, 2020, 10, 3503-3517.	0.8	78
9	Apparent Age Estimation with Relational Networks. , 2019, , .		2
10	SISC: End-to-End Interpretable Discovery Radiomics-Driven Lung Cancer Prediction via Stacked Interpretable Sequencing Cells. IEEE Access, 2019, 7, 145444-145454.	2.6	13
11	Dynamic contact networks of swine movement in Manitoba, Canada: Characterization and implications for infectious disease spread. Transboundary and Emerging Diseases, 2019, 66, 1910-1919.	1.3	7
12	Deep learning for supervised classification of spatial epidemics. Spatial and Spatio-temporal Epidemiology, 2019, 29, 187-198.	0.9	16
13	Past, present and future approaches using computer vision for animal re‐identification from camera trap data. Methods in Ecology and Evolution, 2019, 10, 461-470.	2.2	113
14	Forecasting air quality time series using deep learning. Journal of the Air and Waste Management Association, 2018, 68, 866-886.	0.9	172
15	Real-Time End-to-End Action Detection with Two-Stream Networks. , 2018, , .		10
16	Glimpse Clouds: Human Activity Recognition from Unstructured Feature Points. , 2018, , .		97
17	Generalized Hadamard-Product Fusion Operators for Visual Question Answering. , 2018, , .		6
18	Convolutional Neural Networks Regularized by Correlated Noise. , 2018, , .		2

#	Article	IF	Citations
19	Designing learned CO_2 â€‘based occupancy estimation in smart buildings. IET Wireless Sensor Systems, 2018, 8, 249-255.	1.3	18
20	Deep Learning Object Detection Methods for Ecological Camera Trap Data. , 2018, , .		93
21	Distributed Sensor Network for Indirect Occupancy Measurement in Smart Buildings. , 2018, , .		3
22	Can Drosophila melanogaster tell whoâ€™s who?. PLoS ONE, 2018, 13, e0205043.	1.1	18
23	BLE Beacon Based Patient Tracking in Smart Care Facilities. , 2018, , .		2
24	Domain Adaptation Using Representation Learning for the Classification of Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4198-4209.	2.3	61
25	Modout: Learning Multi-Modal Architectures by Stochastic Regularization. , 2017, , .		10
26	The Ciona17 Dataset for Semantic Segmentation of Invasive Species in a Marine Aquaculture Environment. , 2017, , .		6
27	Learning a metric for class-conditional KNN. , 2016, , .		2
28	Learning Human Identity From Motion Patterns. IEEE Access, 2016, 4, 1810-1820.	2.6	133
29	Automatic moth detection from trap images for pest management. Computers and Electronics in Agriculture, 2016, 123, 17-28.	3.7	250
30	Deep Learning Architectures for Soil Property Prediction. , 2015, , .		29
31	An Integrated System for Mapping Red Clover Ground Cover Using Unmanned Aerial Vehicles: A Case Study in Precision Agriculture. , 2015, , .		8
32	Learning with hidden variables. Current Opinion in Neurobiology, 2015, 35, 110-118.	2.0	14
33	Semisupervised Hyperspectral Image Classification via Neighborhood Graph Learning. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1913-1917.	1.4	20
34	Multi-task Learning of Facial Landmarks and Expression. , 2014, , .		66
35	Neural Response Time Analysis: XAI Using Only a Stopwatchâ€. Applied AI Letters, 0, , .	1.4	1
36	Predicting dreissenid mussel abundance in nearshore waters using underwater imagery and deep learning. Limnology and Oceanography: Methods, 0, , .	1.0	2