Christopher Kanan

List of Publications by Year
in descending order

34 papers	3,372 citations	623734 14 h-index	642732 23 g-index
34 all docs	34 docs citations	34 times ranked	3286 citing authors

#	Article	IF	Citations
1	Continual lifelong learning with neural networks: A review. Neural Networks, 2019, 113, 54-71.	5.9	1,365
2	Algorithms for semantic segmentation of multispectral remote sensing imagery using deep learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 60-77.	11.1	347
3	Color-to-Grayscale: Does the Method Matter in Image Recognition?. PLoS ONE, 2012, 7, e29740.	2.5	240
4	SUN: Top-down saliency using natural statistics. Visual Cognition, 2009, 17, 979-1003.	1.6	230
5	Visual question answering: Datasets, algorithms, and future challenges. Computer Vision and Image Understanding, 2017, 163, 3-20.	4.7	131
6	An Analysis of Visual Question Answering Algorithms. , 2017, , .		124
7	DVQA: Understanding Data Visualizations via Question Answering. , 2018, , .		103
8	Novel artificial intelligence system increases the detection of prostate cancer in whole slide images of core needle biopsies. Modern Pathology, 2020, 33, 2058-2066.	5.5	101
9	Self-Taught Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2693-2705.	6.3	90
10	Memory Efficient Experience Replay for Streaming Learning. , 2019, , .		80
11	REMIND Your Neural Network to Prevent Catastrophic Forgetting. Lecture Notes in Computer Science, 2020, , 466-483.	1.3	78
12	Answer-Type Prediction for Visual Question Answering. , 2016, , .		69
13	Humans have idiosyncratic and task-specific scanpaths for judging faces. Vision Research, 2015, 108, 67-76.	1.4	66
14	Answer Them All! Toward Universal Visual Question Answering Models. , 2019, , .		56
15	Lifelong Machine Learning with Deep Streaming Linear Discriminant Analysis. , 2020, , .		45
16	Avalanche: an End-to-End Library for Continual Learning. , 2021, , .		42
17	Replay in Deep Learning: Current Approaches and Missing Biological Elements. Neural Computation, 2021, 33, 1-44.	2.2	32
18	AeroRIT: A New Scene for Hyperspectral Image Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8116-8124.	6.3	28

#	Article	IF	Citations
19	Challenges and Prospects in Vision and Language Research. Frontiers in Artificial Intelligence, 2019, 2, 28.	3.4	22
20	Answering Questions about Data Visualizations using Efficient Bimodal Fusion. , 2020, , .		21
21	Predicting Top-of-Atmosphere Thermal Radiance Using MERRA-2 Atmospheric Data with Deep Learning. Remote Sensing, 2017, 9, 1133.	4.0	18
22	Are open set classification methods effective on large-scale datasets?. PLoS ONE, 2020, 15, e0238302.	2.5	16
23	The Moving Window Technique: A Window Into Developmental Changes in Attention During Facial Emotion Recognition. Child Development, 2013, 84, 1407-1424.	3.0	13
24	New Metrics and Experimental Paradigms for Continual Learning. , 2018, , .		12
25	Color Constancy Algorithms for Object and Face Recognition. Lecture Notes in Computer Science, 2010, , 199-210.	1.3	9
26	Recognizing Sights, Smells, and Sounds with Gnostic Fields. PLoS ONE, 2013, 8, e54088.	2.5	8
27	Active Object Recognition with a Space-Variant Retina. , 2013, 2013, 1-10.		7
28	A neuromorphic system for visual object recognition. Biologically Inspired Cognitive Architectures, 2014, 8, 33-45.	0.9	7
29	Selective Replay Enhances Learning in Online Continual Analogical Reasoning. , 2021, , .		4
30	Modeling Hand-Eye Movements in a Virtual Ball Catching Setup using Deep Recurrent Neural Network. Journal of Vision, 2017, 17, 17.	0.3	3
31	Gaze-in-World movement Classification for Unconstrained Head Motion during Natural Tasks.. Journal of Vision, 2017, 17, 1156.	0.3	2
32	Classification and Statistics of Gaze In World Events. Journal of Vision, 2018, 18, 376.	0.3	1
33	A Bayesian Model of Visual Question Answering. Journal of Vision, 2016, 16, 332.	0.3	1
34	Improved Robustness to Open Set Inputs via Tempered Mixup. Lecture Notes in Computer Science, 2020, , 186-201.	1.3	1