

Lior Wolf

List of Publications by Citations

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Version: 2023-05-30

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

4,937
citations

29
h-index

70
g-index

93
ext. papers

5,901
ext. citations

4.6
avg, IF

6.09
L-index

#	Paper	IF	Citations
83	Robust object recognition with cortex-like mechanisms. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 411-26	11.5	1091
82	Face recognition in unconstrained videos with matched background similarity 2011 ,		557
81	A Biologically Inspired System for Action Recognition 2007 ,		374
80	Non-homogeneous Content-driven Video-retargeting 2007 ,		223
79	Plasmonic nanostructure design and characterization via Deep Learning. <i>Light: Science and Applications</i> , 2018 , 7, 60	16.2	203
78	Local Trinary Patterns for human action recognition 2009 ,		177
77	Chest pathology detection using deep learning with non-medical training 2015 ,		138
76	Optimizing Photo Composition. <i>Computer Graphics Forum</i> , 2010 , 29, 469-478	2.2	136
75	Associating neural word embeddings with deep image representations using Fisher Vectors 2015 ,		115
74	A Critical View of Context. <i>International Journal of Computer Vision</i> , 2006 , 69, 251-261	9.4	102
73	Using Biologically Inspired Features for Face Processing. <i>International Journal of Computer Vision</i> , 2007 , 76, 93-104	9.4	96
72	Metabolic associations of reduced proliferation and oxidative stress in advanced breast cancer. <i>Cancer Research</i> , 2012 , 72, 5712-20	9.6	97
71	Improved Stereo Matching with Constant Highway Networks and Reflective Confidence Learning 2017 ,		70
70	Linking Image and Text with 2-Way Nets 2017 ,		71
69	Semi-automatic stereo extraction from video footage 2009 ,		57
68	The One-Shot similarity kernel 2009 ,		64
67	Channel-level acceleration of deep face representations. <i>IEEE Access</i> , 2015 , 3, 2163-2175	3.2	61

66	Prior Knowledge for Part Correspondence. <i>Computer Graphics Forum</i> , 2011 , 30, 553-562	2.2	60
65	Recognition of the Cornelia de Lange syndrome phenotype with facial dysmorphology novel analysis. <i>Clinical Genetics</i> , 2016 , 89, 557-63	3.9	51
64	PatchBatch: A Batch Augmented Loss for Optical Flow 2016 ,		35
63	The SVM-Minus Similarity Score for Video Face Recognition 2013 ,		38
62	Gene expression in the rodent brain is associated with its regional connectivity. <i>PLoS Computational Biology</i> , 2011 , 7, e1002040	4.8	44
61	CNN-N-Gram for Handwriting Word Recognition 2016 ,		37
60	Propagating waves of directionality and coordination orchestrate collective cell migration. <i>PLoS Computational Biology</i> , 2014 , 10, e1003747	4.8	37
59	Wide Baseline Matching between Unsynchronized Video Sequences. <i>International Journal of Computer Vision</i> , 2006 , 68, 43-52	9.4	34
58	A Dynamic Convolutional Layer for short rangeweather prediction 2015 ,		33
57	A Simple and Fast Word Spotting Method 2014 ,		28
56	Cell motility dynamics: a novel segmentation algorithm to quantify multi-cellular bright field microscopy images. <i>PLoS ONE</i> , 2011 , 6, e27593	3.6	30
55	Transformer Interpretability Beyond Attention Visualization 2021 ,		21
54	On Projection Matrices (P^k to P^2 , $k = 3, \dots, 6$) and their Applications in Computer Vision. <i>International Journal of Computer Vision</i> , 2002 , 48, 53-67	9.4	26
53	Modeling Appearances with Low-Rank SVM 2007 ,		25
52	Identifying Join Candidates in the Cairo Genizah. <i>International Journal of Computer Vision</i> , 2011 , 94, 118-135	9.4	25
51	Velopharyngeal anatomy in patients with obstructive sleep apnea versus normal subjects. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014 , 72, 1350-72	1.5	24
50	Chest pathology identification using deep feature selection with non-medical training. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2018 , 6, 259-263	0.8	23
49	Glucose tolerance female-specific QTL mapped in collaborative cross mice. <i>Mammalian Genome</i> , 2017 , 28, 20-30	3.1	21

48	Live Repetition Counting 2015 ,		20
47	InterpoNet, a Brain Inspired Neural Network for Optical Flow Dense Interpolation 2017 ,		16
46	Unsupervised Creation of Parameterized Avatars 2017 ,		16
45	When standard RANSAC is not enough: cross-media visual matching with hypothesis relevancy. <i>Machine Vision and Applications</i> , 2014 , 25, 971-983	2.6	15
44	An eye for an eye: A single camera gaze-replacement method 2010 ,		14
43	Temporal Tessellation: A Unified Approach for Video Analysis 2017 ,		13
42	The Virtual Director: a Correlation-Based Online Viewing of Human Motion. <i>Computer Graphics Forum</i> , 2010 , 29, 595-604	2.2	11
41	Diorama Construction From a Single Image. <i>Computer Graphics Forum</i> , 2007 , 26, 599-608	2.2	11
40	Content aware video manipulation. <i>Computer Vision and Image Understanding</i> , 2011 , 115, 1662-1678	3.9	10
39	Male preference for sexual signalling over crypsis is associated with alternative mating tactics. <i>Animal Behaviour</i> , 2016 , 117, 43-49	2.8	9
38	End-To-End Supervised Product Quantization for Image Search and Retrieval 2019 ,		9
37	Confidence Prediction for Lexicon-Free OCR 2018 ,		6
36	Computerized paleography: Tools for historical manuscripts 2011 ,		6
35	Alternative Mating Tactics in Male Chameleons (<i>Chamaeleo chamaeleon</i>) Are Evident in Both Long-Term Body Color and Short-Term Courtship Pattern. <i>PLoS ONE</i> , 2016 , 11, e0159032	3.6	6
34	OCR-Free Transcript Alignment 2013 ,		6
33	Supervised and Unsupervised Learning of Parameterized Color Enhancement 2020 ,		5
32	Machine learning for nanophotonics. <i>MRS Bulletin</i> , 2020 , 45, 221-229	3	7
31	Deep learning model of fMRI connectivity predicts PTSD symptom trajectories in recent trauma survivors. <i>NeuroImage</i> , 2021 , 238, 118242	7.7	6

30	A theoretical framework for deep transfer learning. <i>Information and Inference</i> , 2016 , 5, 159-209	2.3	3
29	The Multiverse Loss for Robust Transfer Learning 2016 ,		5
28	Optical Flow Requires Multiple Strategies (but Only One Network) 2017 ,		5
27	Predicting Affect Classification in Mental Status Examination Using Machine Learning Face Action Recognition System: A Pilot Study in Schizophrenia Patients. <i>Frontiers in Psychiatry</i> , 2019 , 10, 288	4.9	4
26	Characterization of facial phenotypes of children with congenital hypopituitarism and their parents: a matched case-control study. <i>American Journal of Medical Genetics, Part A</i> , 2015 , 167, 1525-33	2.4	4
25	I know that voice: Identifying the voice actor behind the voice 2015 ,		4
24	Domain Intersection and Domain Difference 2019 ,		5
23	Active clustering of document fragments using information derived from both images and catalogs 2011 ,		4
22	Automatic extraction of catalog data from digital images of historical manuscripts. <i>Literary and Linguistic Computing</i> , 2013 , 28, 315-330		5
21	Evaluation Metrics for Conditional Image Generation. <i>International Journal of Computer Vision</i> , 2021 , 129, 1712-1731	9.4	6
20	Improving OCR for an under-resourced script using unsupervised word-spotting 2015 ,		2
19	Effectively using unsupervised machine learning in next generation astronomical surveys. <i>Astronomy and Computing</i> , 2021 , 34, 100437	2.3	3
18	Inverse design of unparametrized nanostructures by generating images from spectra. <i>Optics Letters</i> , 2021 , 46, 2087-2090	2.9	3
17	Congruency-Based Reranking 2014 ,		2
16	Automatically identifying join candidates in the Cairo Genizah 2009 ,		2
15	Relative Attributing Propagation: Interpreting the Comparative Contributions of Individual Units in Deep Neural Networks. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 2501-2508 ^{3,4}		3
14	Artificial Complex Cells via the Tropical Semiring 2007 ,		2
13	Detect the Unexpected: Novelty Detection in Large Astrophysical Surveys using Fisher Vectors 2019 ,		1

12	Combined neuroimaging and gene expression analysis of the genetic basis of brain plasticity indicates across species homology. <i>Human Brain Mapping</i> , 2014 , 35, 5888-902	5.8	1
11	Viewing the viewers: how adults with attentional deficits watch educational videos. <i>Journal of Attention Disorders</i> , 2014 , 18, 585-93	3.6	1
10	A Piggyback Representation for Action Recognition 2014 ,		1
9	Integrating Copies Obtained from Old and New Preservation Efforts 2013 ,		1
8	Automatic cephalometric evaluation of patients suffering from sleep-disordered breathing. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 642-9	0.8	1
7	End to End Lip Synchronization with a Temporal AutoEncoder 2020 ,		1
6	The automatic recognition of ceramics from only one photo: The ArchAIDE app. <i>Journal of Archaeological Science: Reports</i> , 2021 , 36, 102788	0.7	1
5	Deep learning based reconstruction of directional coupler geometry from electromagnetic near-field distribution. <i>OSA Continuum</i> , 2020 , 3, 2222	1.4	1
4	Scene Graph to Image Generation with Contextualized Object Layout Refinement 2021 ,		1
3	Structural Analogy from a Single Image Pair. <i>Computer Graphics Forum</i> , 2021 , 40, 249-265	2.2	3
2	Pseudo contrastive labeling for predicting IVF embryo developmental potential.. <i>Scientific Reports</i> , 2022 , 12, 2488	4.7	1
1	Tolerance is tolerance of similarities: behavioral and computational evidence for a view-tolerant identity representation in face-space. <i>Journal of Vision</i> , 2012 , 12, 497-497	0.3	