

Michal Irani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11064912/publications.pdf>

Version: 2024-02-01

43
papers

8,658
citations

430874

18
h-index

610901

24
g-index

43
all docs

43
docs citations

43
times ranked

4913
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving resolution by image registration. Graphical Models, 1991, 53, 231-239.	0.6	1,419
2	Super-resolution from a single image. , 2009, , .		1,325
3	Matching Local Self-Similarities across Images and Videos. , 2007, , .		761
4	Motion Analysis for Image Enhancement: Resolution, Occlusion, and Transparency. Journal of Visual Communication and Image Representation, 1993, 4, 324-335.	2.8	724
5	Space-Time Completion of Video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 463-476.	13.9	579
6	Zero-Shot Super-Resolution Using Deep Internal Learning. , 2018, , .		504
7	Summarizing visual data using bidirectional similarity. , 2008, , .		457
8	Detecting Irregularities in Images and in Video. International Journal of Computer Vision, 2007, 74, 17-31.	15.6	336
9	Computing occluding and transparent motions. International Journal of Computer Vision, 1994, 12, 5-16.	15.6	321
10	Internal statistics of a single natural image. , 2011, , .		246
11	Nonparametric Blind Super-resolution. , 2013, , .		212
12	Efficient representations of video sequences and their applications. Signal Processing: Image Communication, 1996, 8, 327-351.	3.2	182
13	Feature-Based Sequence-to-Sequence Matching. International Journal of Computer Vision, 2006, 68, 53-64.	15.6	132
14	Detecting and tracking multiple moving objects using temporal integration. Lecture Notes in Computer Science, 1992, , 282-287.	1.3	109
15	Multi-Frame Correspondence Estimation Using Subspace Constraints. International Journal of Computer Vision, 2002, 48, 173-194.	15.6	88
16	Statistical analysis of dynamic actions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1530-1535.	13.9	87
17	Space-time super-resolution from a single video. , 2011, , .		78
18	Co-segmentation by Composition. , 2013, , .		78

#	ARTICLE	IF	CITATIONS
19	Convergent evolution of face spaces across human face-selective neuronal groups and deep convolutional networks. <i>Nature Communications</i> , 2019, 10, 4934.	12.8	76
20	InGAN: Capturing and Retargeting the "DNA" of a Natural Image. , 2019, , .		76
21	AIM 2019 Challenge on Real-World Image Super-Resolution: Methods and Results. , 2019, , .		73
22	Combining the power of Internal and External denoising. , 2013, , .		72
23	Super-resolved spatially encoded single-scan 2D MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1594-1600.	3.0	71
24	Separating Signal from Noise Using Patch Recurrence across Scales. , 2013, , .		71
25	Video compression using mosaic representations. <i>Signal Processing: Image Communication</i> , 1995, 7, 529-552.	3.2	62
26	Title is missing!. <i>International Journal of Computer Vision</i> , 2002, 48, 39-51.	15.6	61
27	What Is a Good Image Segment? A Unified Approach to Segment Extraction. <i>Lecture Notes in Computer Science</i> , 2008, , 30-44.	1.3	58
28	Blind dehazing using internal patch recurrence. , 2016, , .		58
29	Non-uniform Blind Deblurring by Reblurring. , 2017, , .		58
30	Parallax geometry of pairs of points for 3D scene analysis. <i>Lecture Notes in Computer Science</i> , 1996, , 17-30.	1.3	49
31	Factorization with Uncertainty. <i>International Journal of Computer Vision</i> , 2002, 49, 101-116.	15.6	39
32	Regenerative morphing. , 2010, , .		39
33	Revealing and modifying non-local variations in a single image. <i>ACM Transactions on Graphics</i> , 2015, 34, 1-11.	7.2	32
34	Detecting and sketching the common. , 2010, , .		29
35	Needle-Match: Reliable Patch Matching under High Uncertainty. , 2016, , .		19
36	Self-supervised Natural Image Reconstruction and Large-scale Semantic Classification from Brain Activity. <i>NeuroImage</i> , 2022, 254, 119121.	4.2	18

#	ARTICLE	IF	CITATIONS
37	Direct Recovery of Planar-Parallax from Multiple Frames. Lecture Notes in Computer Science, 2000, , 85-99.	1.3	17
38	Across Scales and Across Dimensions: Temporal Super-Resolution Using Deep Internal Learning. Lecture Notes in Computer Science, 2020, , 52-68.	1.3	16
39	On Single-Sequence and Multi-Sequence Factorizations. International Journal of Computer Vision, 2006, 67, 313-326.	15.6	9
40	Perceptual Dominance in Brief Presentations of Mixed Images: Human Perception vs. Deep Neural Networks. Frontiers in Computational Neuroscience, 2018, 12, 57.	2.1	9
41	Robust recovery of ego-motion. Lecture Notes in Computer Science, 1993, , 371-378.	1.3	8
42	“Blind” visual inference by composition. Pattern Recognition Letters, 2019, 124, 39-54.	4.2	0
43	Seeing the Invisible and Predicting the Unexpected. Lecture Notes in Computer Science, 2007, , 7-8.	1.3	0