

Michal Irani

List of Publications by Year in descending order

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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	Self-supervised Natural Image Reconstruction and Large-scale Semantic Classification from Brain Activity. <i>NeuroImage</i> , 2022, 254, 119121.	4.2	18
2	Across Scales and Across Dimensions: Temporal Super-Resolution Using Deep Internal Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 52-68.	1.3	16
3	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
4	InGAN: Capturing and Retargeting the "DNA" of a Natural Image. , 2019, , .		76
5	AIM 2019 Challenge on Real-World Image Super-Resolution: Methods and Results. , 2019, , .		73
6	"Blind" visual inference by composition. <i>Pattern Recognition Letters</i> , 2019, 124, 39-54.	4.2	0
7	Zero-Shot Super-Resolution Using Deep Internal Learning. , 2018, , .		504
8	Perceptual Dominance in Brief Presentations of Mixed Images: Human Perception vs. Deep Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 57.	2.1	9
9	Non-uniform Blind Deblurring by Reblurring. , 2017, , .		58
10	Needle-Match: Reliable Patch Matching under High Uncertainty. , 2016, , .		19
11	Blind dehazing using internal patch recurrence. , 2016, , .		58
12	Revealing and modifying non-local variations in a single image. <i>ACM Transactions on Graphics</i> , 2015, 34, 1-11.	7.2	32
13	Nonparametric Blind Super-resolution. , 2013, , .		212
14	Separating Signal from Noise Using Patch Recurrence across Scales. , 2013, , .		71
15	Combining the power of Internal and External denoising. , 2013, , .		72
16	Co-segmentation by Composition. , 2013, , .		78
17	Internal statistics of a single natural image. , 2011, , .		246
18	Space-time super-resolution from a single video. , 2011, , .		78

#	ARTICLE	IF	CITATIONS
19	Super-resolution spatially encoded single-scan 2D MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1594-1600.	3.0	71
20	Regenerative morphing. , 2010, , .		39
21	Detecting and sketching the common. , 2010, , .		29
22	Super-resolution from a single image. , 2009, , .		1,325
23	Summarizing visual data using bidirectional similarity. , 2008, , .		457
24	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
25	Matching Local Self-Similarities across Images and Videos. , 2007, , .		761
26	Space-Time Completion of Video. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007, 29, 463-476.	13.9	579
27	Detecting Irregularities in Images and in Video. <i>International Journal of Computer Vision</i> , 2007, 74, 17-31.	15.6	336
28	Seeing the Invisible and Predicting the Unexpected. <i>Lecture Notes in Computer Science</i> , 2007, , 7-8.	1.3	0
29	Statistical analysis of dynamic actions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006, 28, 1530-1535.	13.9	87
30	Feature-Based Sequence-to-Sequence Matching. <i>International Journal of Computer Vision</i> , 2006, 68, 53-64.	15.6	132
31	On Single-Sequence and Multi-Sequence Factorizations. <i>International Journal of Computer Vision</i> , 2006, 67, 313-326.	15.6	9
32	Title is missing!. <i>International Journal of Computer Vision</i> , 2002, 48, 39-51.	15.6	61
33	Multi-Frame Correspondence Estimation Using Subspace Constraints. <i>International Journal of Computer Vision</i> , 2002, 48, 173-194.	15.6	88
34	Factorization with Uncertainty. <i>International Journal of Computer Vision</i> , 2002, 49, 101-116.	15.6	39
35	Direct Recovery of Planar-Parallax from Multiple Frames. <i>Lecture Notes in Computer Science</i> , 2000, , 85-99.	1.3	17
36	Parallax geometry of pairs of points for 3D scene analysis. <i>Lecture Notes in Computer Science</i> , 1996, , 17-30.	1.3	49

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37	Efficient representations of video sequences and their applications. Signal Processing: Image Communication, 1996, 8, 327-351.	3.2	182
38	Video compression using mosaic representations. Signal Processing: Image Communication, 1995, 7, 529-552.	3.2	62
39	Computing occluding and transparent motions. International Journal of Computer Vision, 1994, 12, 5-16.	15.6	321
40	Motion Analysis for Image Enhancement: Resolution, Occlusion, and Transparency. Journal of Visual Communication and Image Representation, 1993, 4, 324-335.	2.8	724
41	Robust recovery of ego-motion. Lecture Notes in Computer Science, 1993, , 371-378.	1.3	8
42	Detecting and tracking multiple moving objects using temporal integration. Lecture Notes in Computer Science, 1992, , 282-287.	1.3	109
43	Improving resolution by image registration. Graphical Models, 1991, 53, 231-239.	0.6	1,419