Michal Irani

List of Publications by Year in Descending Order

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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.

43 papers	6,052 citations	29 h-index	43 g-index
43 ext. papers	7,402 ext. citations	5.8 avg, IF	6.09 L-index

#	Paper	IF	Citations
43	Self-Supervised Natural Image Reconstruction and Large-Scale Semantic Classification from Brain Activity.. *NeuroImage*, **2022**, 119121	7.9	1
42	Across Scales and Across Dimensions: Temporal Super-Resolution Using Deep Internal Learning. *Lecture Notes in Computer Science*, **2020**, 52-68	0.9	8
41	Convergent evolution of face spaces across human face-selective neuronal groups and deep convolutional networks. *Nature Communications*, **2019**, 10, 4934	17.4	32
40	InGAN: Capturing and Retargeting the DNA of a Natural Image **2019**,		35
39	AIM 2019 Challenge on Real-World Image Super-Resolution: Methods and Results **2019**,		49
38	Blind visual inference by composition. *Pattern Recognition Letters*, **2019**, 124, 39-54	4.7	
37	Perceptual Dominance in Brief Presentations of Mixed Images: Human Perception vs. Deep Neural Networks. *Frontiers in Computational Neuroscience*, **2018**, 12, 57	3.5	5
36	Zero-Shot Super-Resolution Using Deep Internal Learning **2018**,		244
35	Non-uniform Blind Deblurring by Reblurring **2017**,		33
34	Blind dehazing using internal patch recurrence **2016**,		41
33	Needle-Match: Reliable Patch Matching under High Uncertainty **2016**,		10
32	Revealing and modifying non-local variations in a single image. *ACM Transactions on Graphics*, **2015**, 34, 1-11	7.6	21
31	Nonparametric Blind Super-resolution **2013**,		138
30	Separating Signal from Noise Using Patch Recurrence across Scales **2013**,		52
29	Combining the power of Internal and External denoising **2013**,		60
28	Co-segmentation by Composition **2013**,		60
27	Internal statistics of a single natural image **2011**,		160

26	Space-time super-resolution from a single video **2011**,		52
25	Regenerative morphing **2010**,		29
24	Detecting and sketching the common **2010**,		21
23	Super-resolved spatially encoded single-scan 2D MRI. *Magnetic Resonance in Medicine*, **2010**, 63, 1594-600	4.4	62
22	Super-resolution from a single image **2009**,		919
21	**2008**,		335
20	What Is a Good Image Segment? A Unified Approach to Segment Extraction. *Lecture Notes in Computer Science*, **2008**, 30-44	0.9	28
19	Detecting Irregularities in Images and in Video. *International Journal of Computer Vision*, **2007**, 74, 17-31	10.6	265
18	Matching Local Self-Similarities across Images and Videos **2007**,		586
17	Space-time completion of video. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 463-76	13.3	448
16	Seeing the Invisible and Predicting the Unexpected. *Lecture Notes in Computer Science*, **2007**, 7-8	0.9	
15	Statistical analysis of dynamic actions. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 1530-5	13.3	70
14	Feature-Based Sequence-to-Sequence Matching. *International Journal of Computer Vision*, **2006**, 68, 53-64	10.6	91
13	On Single-Sequence and Multi-Sequence Factorizations. *International Journal of Computer Vision*, **2006**, 67, 313-326	10.6	7
12	. *International Journal of Computer Vision*, **2002**, 48, 39-51	10.6	49
11	Multi-Frame Correspondence Estimation Using Subspace Constraints. *International Journal of Computer Vision*, **2002**, 48, 173-194	10.6	69
10	Factorization with Uncertainty. *International Journal of Computer Vision*, **2002**, 49, 101-116	10.6	32
9	Direct Recovery of Planar-Parallax from Multiple Frames. *Lecture Notes in Computer Science*, **2000**, 85-99	0.9	9

8	Parallax geometry of pairs of points for 3D scene analysis. *Lecture Notes in Computer Science*, **1996**, 17-30	0.9	28
7	Efficient representations of video sequences and their applications. *Signal Processing: Image Communication*, **1996**, 8, 327-351	2.8	133
6	Video compression using mosaic representations. *Signal Processing: Image Communication*, **1995**, 7, 529-552	2.8	46
5	Computing occluding and transparent motions. *International Journal of Computer Vision*, **1994**, 12, 5-16	10.6	249
4	Motion Analysis for Image Enhancement: Resolution, Occlusion, and Transparency. *Journal of Visual Communication and Image Representation*, **1993**, 4, 324-335	2.7	554
3	Robust recovery of ego-motion. *Lecture Notes in Computer Science*, **1993**, 371-378	0.9	4
2	Detecting and tracking multiple moving objects using temporal integration. *Lecture Notes in Computer Science*, **1992**, 282-287	0.9	42
1	Improving resolution by image registration. *Graphical Models*, **1991**, 53, 231-239		975