Ronen Basri

List of Publications by Year
in descending order

33 papers	2,261 citations	393982 19 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	2098 citing authors

#	ARTICLE	IF	CITATIONS
1	The Trimmed Lasso: Sparse Recovery Guarantees and Practical Optimization by the Generalized Soft-Min Penalty. SIAM Journal on Mathematics of Data Science, 2021, 3, 900-929.	1.0	5
2	On Detection of Faint Edges in Noisy Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 894-908.	9.7	22
3	Solving Uncalibrated Photometric Stereo Using Fewer Images by Jointly Optimizing Low-rank Matrix Completion and Integrability. Journal of Mathematical Imaging and Vision, 2018, 60, 563-575.	0.8	9
4	Photometric Stereo by Hemispherical Metric Embedding. Journal of Mathematical Imaging and Vision, 2018, 60, 148-162.	0.8	4
5	Perceptual Dominance in Brief Presentations of Mixed Images: Human Perception vs. Deep Neural Networks. Frontiers in Computational Neuroscience, 2018, 12, 57.	1.2	9
6	A survey of structure from motion.. Acta Numerica, 2017, 26, 305-364.	6.3	234
7	Learning 3D Deformation of Animals from 2D Images. Computer Graphics Forum, 2016, 35, 365-374.	1.8	24
8	Guest Editorial: Special Section on CVPR 2014. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1281-1282.	9.7	0
9	Detection of Long Edges on a Computational Budget: A Sublinear Approach. SIAM Journal on Imaging Sciences, 2015, 8, 458-483.	1.3	10
10	Tight Relaxation of Quadratic Matching. Computer Graphics Forum, 2015, 34, 115-128.	1.8	48
11	Stable Camera Motion Estimation Using Convex Programming. SIAM Journal on Imaging Sciences, 2015, 8, 1220-1262.	1.3	32
12	Review of Methods Inspired by Algebraic-Multigrid for Data and Image Analysis Applications. Numerical Mathematics, 2015, 8, 283-312.	0.6	5
13	A Linear Elastic Force Optimization Model for Shape Matching. Journal of Mathematical Imaging and Vision, 2015, 51, 260-278.	0.8	6
14	WIS–neuromath enables versatile high throughput analyses of neuronal processes. Developmental Neurobiology, 2013, 73, 247-256.	1.5	54
15	Viewpoint-aware object detection and continuous pose estimation. Image and Vision Computing, 2012, 30, 923-933.	2.7	34
16	Automatic Segmentation and Classification of Multiple Sclerosis in Multichannel MRI. IEEE Transactions on Biomedical Engineering, 2009, 56, 2461-2469.	2.5	62
17	Shape Based Detection and Top-Down Delineation Using Image Segments. International Journal of Computer Vision, 2009, 83, 211-232.	10.9	15
18	Photometric Stereo with General, Unknown Lighting. International Journal of Computer Vision, 2007, 72, 239-257.	10.9	316

#	Article	IF	Citations
19	Hierarchy and adaptivity in segmenting visual scenes. Nature, 2006, 442, 810-813.	13.7	207
20	Inferring region salience from binary and gray-level images. Pattern Recognition, 2003, 36, 2349-2362.	5.1	7
21	Spectral Biclustering of Microarray Data: Coclustering Genes and Conditions. Genome Research, 2003, 13, 703-716.	2.4	536
22	Separation of Transparent Layers using Focus. International Journal of Computer Vision, 2000, 39, 25-39.	10.9	96
23	3-D to 2-D Pose Determination with Regions. International Journal of Computer Vision, 1999, 34, 123-145.	10.9	20
24	When is it Possible to Identify 3D Objects From Single Images Using Class Constraints?. International Journal of Computer Vision, 1999, 33, 95-116.	10.9	6
25	Visual Homing: Surfing on the Epipoles. International Journal of Computer Vision, 1999, 33, 117-137.	10.9	70
26	The role of convexity in perceptual completion: beyond good continuation. Vision Research, 1999, 39, 4244-4257.	0.7	73
27	Extracting Salient Curves from Images: An Analysis of the Saliency Network. International Journal of Computer Vision, 1998, 27, 51-69.	10.9	45
28	EFFICIENT DETERMINATION OF SHAPE FROM MULTIPLE IMAGES CONTAINING PARTIAL INFORMATION. Pattern Recognition, 1998, 31, 1691-1703.	5.1	2
29	Determining the similarity of deformable shapes. Vision Research, 1998, 38, 2365-2385.	0.7	210
30	Constancy and Similarity. Computer Vision and Image Understanding, 1997, 65, 447-449.	3.0	2
31	Recognition Using Region Correspondences. International Journal of Computer Vision, 1997, 25, 145-166.	10.9	38
32	Recognition by prototypes. International Journal of Computer Vision, 1996, 19, 147-167.	10.9	33
33	Paraperspective ? affine. International Journal of Computer Vision, 1996, 19, 169-179.	10.9	27