

William T Freeman

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

9,322
citations

304743

22
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

7205
citing authors

#	ARTICLE	IF	CITATIONS
1	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	8.3	163
2	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	8.3	20
3	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	8.3	142
4	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	8.3	137
5	Two-Dimensional Non-Line-of-Sight Scene Estimation From a Single Edge Occluder. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 58-72.	4.4	20
6	Toward Automatic Interpretation of 3D Plots. <i>Lecture Notes in Computer Science</i> , 2021, , 35-50.	1.3	1
7	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
8	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
9	Medical Image Imputation From Image Collections. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 504-514.	8.9	33
10	Visual Dynamics: Stochastic Future Generation via Layered Cross Convolutional Networks. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 2236-2250.	13.9	15
11	Corner Occluder Computational Periscopy: Estimating a Hidden Scene from a Single Photograph. , 2019, , .		23
12	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
13	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
14	Using Unknown Occluders to Recover Hidden Scenes. , 2019, , .		29
15	Exploiting Occlusion in Non-Line-of-Sight Active Imaging. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 419-431.	4.4	50
16	Reconstructing Video of Time-Varying Sources From Radio Interferometric Measurements. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 512-527.	4.4	22
17	Video Camera-Based Vibration Measurement for Civil Infrastructure Applications. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.8	130
18	Motion microscopy for visualizing and quantifying small motions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11639-11644.	7.1	55

#	ARTICLE	IF	CITATIONS
19	Turning Corners into Cameras: Principles and Methods. , 2017, , .		82
20	Population Based Image Imputation. Lecture Notes in Computer Science, 2017, 10265, 659-671.	1.3	17
21	Observing“and Imaging“Active Galactic Nuclei with the Event Horizon Telescope. Galaxies, 2016, 4, 54.	3.0	63
22	Computational Imaging for VLBI Image Reconstruction. , 2016, , .		27
23	A Compositional Model for Low-Dimensional Image Set Representation. , 2014, , .		16
24	Seeing the Arrow of Time. , 2014, , .		50
25	Accidental Pinhole and Pinspeck Cameras. International Journal of Computer Vision, 2014, 110, 92-112.	15.6	27
26	Refraction Wiggles for Measuring Fluid Depth and Velocity from Video. Lecture Notes in Computer Science, 2014, , 767-782.	1.3	27
27	Accidental pinhole and pinspeck cameras: Revealing the scene outside the picture. , 2012, , .		22
28	35.3: Overview of Computational Photography. Digest of Technical Papers SID International Symposium, 2012, 43, 467-468.	0.3	0
29	Evaluation of image features using a photorealistic virtual world. , 2011, , .		51
30	Where computer vision needs help from computer science. , 2011, , .		2
31	Compressed History Matching: Exploiting Transform-Domain Sparsity for Regularization of“Nonlinear Dynamic Data Integration Problems. Mathematical Geosciences, 2010, 42, 1-27.	2.4	83
32	Infinite Images: Creating and Exploring a Large Photorealistic Virtual Space. Proceedings of the IEEE, 2010, 98, 1391-1407.	21.3	19
33	Noise-optimal capture for high dynamic range photography. , 2010, , .		152
34	Search-and-replace editing for personal photo collections. , 2010, , .		5
35	Transform-domain sparsity regularization for inverse problems in geosciences. Geophysics, 2009, 74, R69-R83.	2.6	68
36	Describing Visual Scenes Using Transformed Objects and Parts. International Journal of Computer Vision, 2008, 77, 291-330.	15.6	122

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37	LabelMe: A Database and Web-Based Tool for Image Annotation. International Journal of Computer Vision, 2008, 77, 157-173.	15.6	2,723
38	Motion-invariant photography. ACM Transactions on Graphics, 2008, 27, 1-9.	7.2	126
39	A reliable skin mole localization scheme. , 2007, , .		13
40	Image and depth from a conventional camera with a coded aperture. ACM Transactions on Graphics, 2007, 26, 70.	7.2	861
41	Face Hallucination: Theory and Practice. International Journal of Computer Vision, 2007, 75, 115-134.	15.6	392
42	The generic viewpoint assumption in a framework for visual perception. Nature, 1994, 368, 542-545.	27.8	182