Daisuke Miyazaki

List of Publications by Year in Descending Order

36 papers	403 citations	9 h-index	20 g-index
41 ext. papers	482 ext. citations	2.3 avg, IF	3.39 L-index

#	Paper	IF	Citations
36	Color Exaggeration for Dichromats Using Weighted Edge. *Communications in Computer and Information Science*, **2022**, 18-33	0.3	
35	Multi-band Photometric Stereo Using Random Sampling of Channels and Pixels. *Communications in Computer and Information Science*, **2022**, 64-79	0.3	
34	Surface normal estimation from polarization and shading under the convexity assumption. *Optical Review*, **2021**, 28, 411-424	0.9	
33	Uncalibrated photometric stereo refined by polarization angle. *Optical Review*, **2021**, 28, 119-133	0.9	1
32	Photometric Stereo. *Advances in Computer Vision and Pattern Recognition*, **2020**, 107-123	1.1	
31	Visualization/AR/VR/MR Systems. *Advances in Computer Vision and Pattern Recognition*, **2020**, 213-239	1.1	
30	Shape estimation of concave specular object from multiview polarization. *Journal of Electronic Imaging*, **2020**, 29, 1	0.7	3
29	Structured Light. *Advances in Computer Vision and Pattern Recognition*, **2020**, 125-155	1.1	
28	Robot Vision, Autonomous Vehicles, and Human Robot Interaction. *Advances in Computer Vision and Pattern Recognition*, **2020**, 289-303	1.1	
27	Other Shape Reconstruction Techniques. *Advances in Computer Vision and Pattern Recognition*, **2020**, 157-181	1.1	
26	Multispectral Photometric Stereo Using Intrinsic Image Decomposition. *Communications in Computer and Information Science*, **2020**, 289-304	0.3	1
25	Photometric Estimation. *Advances in Computer Vision and Pattern Recognition*, **2020**, 183-209	1.1	
24	Photometry. *Advances in Computer Vision and Pattern Recognition*, **2020**, 3-29	1.1	
23	E-Heritage. *Advances in Computer Vision and Pattern Recognition*, **2020**, 263-287	1.1	
22	Biomedical Application. *Advances in Computer Vision and Pattern Recognition*, **2020**, 241-262	1.1	
21	Light Source. *Advances in Computer Vision and Pattern Recognition*, **2020**, 89-103	1.1	
20	Sensor. *Advances in Computer Vision and Pattern Recognition*, **2020**, 63-87	1.1	

#	Title		
19	Active Lighting and Its Application for Computer Vision. *Advances in Computer Vision and Pattern Recognition*, **2020**,	1.1	2
18	Extending the Visibility of Dichromats Using Histogram Equalization of Hue Value Defined for Dichromats. *International Journal of Image and Graphics*, **2019**, 19, 1950016	0.5	3
17	Color Photometric Stereo Using Multi-Band Camera Constrained by Median Filter and Occluding Boundary. *Journal of Imaging*, **2019**, 5,	3.1	4
16	Surface normal estimation of black specular objects from multiview polarization images. *Optical Engineering*, **2016**, 56, 041303	1.1	22
15	2-DOF auto-calibration for a 3D endoscope system based on active stereo. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 7937-41	0.9	12
14	**2010**,		12
13	Photometric stereo using graph cut and M-estimation for a virtual tumulus in the presence of highlights and shadows **2010**,		4
12	Interactive Removal of Shadows from a Single Image Using Hierarchical Graph Cut. *IPSJ Transactions on Computer Vision and Applications*, **2010**, 2, 235-252	3.3	3
11	Temperature control technology by heat capacity change upon lock and key binding. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 375, 165-169	2.3	1
10	Wavelet-Texture Method: Appearance Compression by Polarization, Parametric Reflection Model, and Daubechies Wavelet. *International Journal of Computer Vision*, **2010**, 86, 171-191	10.6	3
9	Median Photometric Stereo as Applied to the Segonko Tumulus and Museum Objects. *International Journal of Computer Vision*, **2010**, 86, 229-242	10.6	46
8	Estimating Sunlight Polarization Using a Fish-eye Lens. *IPSJ Transactions on Computer Vision and Applications*, **2009**, 1, 288-300	3.3	20
7	Digitally Archiving Cultural Objects **2008**,		20
6	Shape estimation of transparent objects by using inverse polarization ray tracing. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 2018-29	13.3	38
5	Shape Estimation of Transparent Objects by Using Polarization Analyses. *IPSJ Digital Courier*, **2006**, 2, 407-427		0
4	Polarization-based shape estimation of transparent objects by using raytracing and PLZT camera **2005**,		5
3	Creating photorealistic virtual model with polarization-based vision system **2005**,		3
2	Transparent surface modeling from a pair of polarization images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2004**, 26, 73-82	13.3	128

1 Determining surface orientations of transparent objects based on polarization degrees in visible and infrared wavelengths. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2002**, 19, 687-94   1.8   70