Seung-Hwan Baek

List of Publications by Year
in descending order

17 papers	523 citations	933447 10 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	347 citing authors

#	Article	IF	Citations
1	Neural nano-optics for high-quality thin lens imaging. Nature Communications, 2021, 12, 6493.	12.8	116
2	Compact snapshot hyperspectral imaging with diffracted rotation. ACM Transactions on Graphics, 2019, 38, 1-13.	7.2	77
3	Enhancing the Spatial Resolution of Stereo Images Using a Parallax Prior. , 2018, , .		76
4	Compact single-shot hyperspectral imaging using a prism. ACM Transactions on Graphics, 2017, 36, 1-12.	7.2	56
5	Simultaneous acquisition of polarimetric SVBRDF and normals. ACM Transactions on Graphics, 2018, 37, 1-15.	7.2	49
6	Image-based acquisition and modeling of polarimetric reflectance. ACM Transactions on Graphics, 2020, 39, .	7.2	26
7	Reconstructing Interlaced High-Dynamic-Range Video Using Joint Learning. IEEE Transactions on Image Processing, 2017, 26, 5353-5366.	9.8	22
8	Multiview Image Completion with Space Structure Propagation. , 2016, , .		20
9	Polka Lines: Learning Structured Illumination and Reconstruction for Active Stereo. , 2021, , .		14
10	Birefractive stereo imaging for single-shot depth acquisition. ACM Transactions on Graphics, 2016, 35, 1-11.	7.2	13
11	Electrothermal MEMS parallel plate rotation for single-imager stereoscopic endoscopes. Optics Express, 2016, 24, 9667.	3.4	12
12	Polarimetric spatio-temporal light transport probing. ACM Transactions on Graphics, 2021, 40, 1-18.	7.2	12
13	Stereo fusion: Combining refractive and binocular disparity. Computer Vision and Image Understanding, 2016, 146, 52-66.	4.7	10
14	Progressive Acquisition of SVBRDF and Shape in Motion. Computer Graphics Forum, 2020, 39, 480-495.	3.0	6
15	Single-Shot Monocular RGB-D Imaging Using Uneven Double Refraction. , 2020, , .		5
16	Mask-ToF: Learning Microlens Masks for Flying Pixel Correction in Time-of-Flight Imaging. , 2021, , .		4
17	Centimeter-wave Free-space Neural Time-of-Flight Imaging. ACM Transactions on Graphics, 2023, 42, 1-18.	7.2	4