Sing Bing Kang

List of Publications by Year
in descending order

34 papers	3,236 citations	567144 15 h-index	677027 22 g-index
34 all docs	34 docs citations	34 times ranked	1945 citing authors

#	Article	IF	Citations
1	High-quality video view interpolation using a layered representation. ACM Transactions on Graphics, 2004, 23, 600-608.	4.9	1,025
2	Automatic Estimation and Removal of Noise from a Single Image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 299-314.	9.7	384
3	High dynamic range video. ACM Transactions on Graphics, 2003, 22, 319-325.	4.9	324
4	Stereo for Image-Based Rendering using Image Over-Segmentation. International Journal of Computer Vision, 2007, 75, 49-65.	10.9	226
5	Recovering 3D Shape and Motion from Image Streams Using Nonlinear Least Squares. Journal of Visual Communication and Image Representation, 1994, 5, 10-28.	1.7	216
6	Extracting layers and analyzing their specular properties using epipolar-plane-image analysis. Computer Vision and Image Understanding, 2005, 97, 51-85.	3.0	120
7	Consistent segmentation for optical flow estimation. , 2005, , .		92
8	Toward automatic robot instruction from perception-recognizing a grasp from observation. IEEE Transactions on Automation Science and Engineering, 1993, 9, 432-443.	2.4	88
9	Learning the Change for Automatic Image Cropping. , 2013, , .		86
10	Diffuse-Specular Separation and Depth Recovery from Image Sequences. Lecture Notes in Computer Science, 2002, , 210-224.	1.0	83
11	3-D Scene Data Recovery Using Omnidirectional Multibaseline Stereo. International Journal of Computer Vision, 1997, 25, 167-183.	10.9	80
12	Direct methods for visual scene reconstruction. , 0, , .		70
13	Shape ambiguities in structure from motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 506-512.	9.7	70
14	Personalization of image enhancement. , 2010, , .		57
15	Automatic Removal of Chromatic Aberration from a Single Image. , 2007, , .		53
16	On the Motion and Appearance of Specularities in Image Sequences. Lecture Notes in Computer Science, 2002, , 508-523.	1.0	34
17	Collaborative personalization of image enhancement. , 2011, , .		33
18	Boundary matting for view synthesis. Computer Vision and Image Understanding, 2006, 103, 22-32.	3.0	31

#	Article	IF	Citations
19	Video Snapshots: Creating High-Quality Images from Video Clips. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 1868-1879.	2.9	22
20	Change-Based Image Cropping with Exclusion and Compositional Features. International Journal of Computer Vision, 2015, 114, 74-87.	10.9	17
21	Error analysis of pure rotation-based self-calibration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 275-280.	9.7	15
22	Collaborative Personalization of Image Enhancement. International Journal of Computer Vision, 2014, 108, 148-164.	10.9	15
23	Boundary Matting for View Synthesis. , 0, , .		14
24	Characterization of Errors in Compositing Panoramic Images. Computer Vision and Image Understanding, 1999, 73, 269-280.	3.0	13
25	Improving sub-pixel correspondence through upsampling. Computer Vision and Image Understanding, 2012, 116, 250-261.	3.0	11
26	Shape ambiguities in structure from motion. Lecture Notes in Computer Science, 1996, , 709-721.	1.0	10
27	Characterization of errors in compositing panoramic images. , 0, , .		10
28	A Parallel Feature Tracker for Extended Image Sequences. Computer Vision and Image Understanding, 1997, 67, 296-310.	3.0	9
29	Robot task programming by human demonstration. , 1995, , 119-136.		7
30	Geometrically valid pixel reprojection methods for novel view synthesis. ISPRS Journal of Photogrammetry and Remote Sensing, 1998, 53, 342-353.	4.9	6
31	Rendering with Non-uniform Approximate Concentric Mosaics. Lecture Notes in Computer Science, 2001, , 94-108.	1.0	6
32	Is appearance-based structure from motion viable?. , 0, , .		4
33	Error analysis of pure rotation-based self-calibration. , 0, , .		4
34	Video editing using figure tracking and image-based rendering. , 2000, , .		1