Hiroshi Kawasaki

List of Publications by Year
in descending order

46	443	1464605 7	1526636 10
papers	citations	h-index	g-index

50	50	50	222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-shot dense active stereo with pixel-wise phase estimation based on grid-structure using CNN and correspondence estimation using GCN. , 2022, , .		3
2	Dense Pixel-Wise Micro-motion Estimation of Object Surface by Using Low Dimensional Embedding of Laser Speckle Pattern. Lecture Notes in Computer Science, 2021, , 700-715.	1.0	0
3	Active Lighting and Its Application for Computer Vision. Advances in Computer Vision and Pattern Recognition, 2020, , .	0.9	5
4	Other Shape Reconstruction Techniques. Advances in Computer Vision and Pattern Recognition, 2020, , 157-181.	0.9	0
5	Photometry. Advances in Computer Vision and Pattern Recognition, 2020, , 3-29.	0.9	0
6	Biomedical Application. Advances in Computer Vision and Pattern Recognition, 2020, , 241-262.	0.9	0
7	Sensor. Advances in Computer Vision and Pattern Recognition, 2020, , 63-87.	0.9	0
8	Photometric Stereo. Advances in Computer Vision and Pattern Recognition, 2020, , 107-123.	0.9	0
9	Visualization/AR/VR/MR Systems. Advances in Computer Vision and Pattern Recognition, 2020, , 213-239.	0.9	0
10	Structured Light. Advances in Computer Vision and Pattern Recognition, 2020, , 125-155.	0.9	0
11	Robot Vision, Autonomous Vehicles, and Human Robot Interaction. Advances in Computer Vision and Pattern Recognition, 2020, , 289-303.	0.9	0
12	Human Shape Reconstruction with Loose Clothes from Partially Observed Data by Pose Specific Deformation. Lecture Notes in Computer Science, 2019, , 225-239.	1.0	3
13	Representing a Partially Observed Non-Rigid 3D Human Using Eigen-Texture and Eigen-Deformation. , 2018, , .		2
14	Realtime Novel View Synthesis with Eigen-Texture Regression. , 2017, , .		5
15	Shape Acquisition and Registration for 3D Endoscope Based on Grid Pattern Projection. Lecture Notes in Computer Science, 2016, , 399-415.	1.0	24
16	3D endoscope system using DOE projector. , 2016, 2016, 2091-2094.		17
17	Simultaneous Camera, Light Position and Radiant Intensity Distribution Calibration. Lecture Notes in Computer Science, 2016, , 557-571.	1.0	5
18	Active One-Shot Scan for Wide Depth Range Using a Light Field Projector Based on Coded Aperture. , 2015, , .		16

#	Article	IF	Citations
19	Super resolution of fisheye images captured by on-vehicle camera for visibility support. , 2015, , .		3
20	2-DOF auto-calibration for a 3D endoscope system based on active stereo. , 2015, 2015, 7937-41.		16
21	Calibration of a 3D endoscopic system based on active stereo method for shape measurement of biological tissues and specimen. , 2014, 2014, 4991-4.		14
22	Simultaneous deblur and super-resolution technique for video sequence captured by hand-held video camera. , 2014, , .		4
23	4D Capture Using Visibility Information of Multiple Projector Camera System. , 2014, , .		2
24	Depth from Projector^|^apos;s Defocus Based on Multiple Focus Pattern Projection. IPSJ Transactions on Computer Vision and Applications, 2014, 6, 88-92.	4.4	11
25	Robust and Accurate One-Shot 3D Reconstruction by 2C1P System with Wave Grid Pattern. , 2013, , .		9
26	One-Shot Entire Shape Scanning by Utilizing Multiple Projector-Camera Constraints of Grid Patterns. , 2013, , .		10
27	Single colour oneâ€shot scan using modified Penrose tiling pattern. IET Computer Vision, 2013, 7, 293-301.	1.3	7
28	Optimized Aperture for Estimating Depth from Projector's Defocus. , 2013, , .		6
29	Proposal on 3-D endoscope by using grid-based active stereo. , 2013, 2013, 5694-7.		7
30	Noncontact measurement of cardiac beat by using active stereo with waved-grid pattern projection. , 2013, 2013, 1756-9.		3
31	Structured light with coded aperture for wide range 3D measurement. , 2012, , .		10
32	Grid-Based Active Stereo with Single-Colored Wave Pattern for Dense One-shot 3D Scan. , 2012, , .		43
33	Efficient rate-distortion compression of dynamic point cloud for grid-pattern-based 3D scanning systems. 3D Research, 2012, 3, 1.	1.8	8
34	Dense one-shot 3D reconstruction by detecting continuous regions with parallel line projection. , 2011, , .		42
35	One-shot Entire Shape Acquisition Method Using Multiple Projectors and Cameras. , 2010, , .		22
36	Dense 3D reconstruction method using a single pattern for fast moving object. , 2009, , .		74

#	Article	IF	Citations
37	Shape Reconstruction and Camera Self-Calibration Using Cast Shadows and Scene Geometries. International Journal of Computer Vision, 2009, 83, 135-148.	10.9	15
38	Laser range scanner based on self-calibration techniques using coplanarities and metric constraints. Computer Vision and Image Understanding, 2009, 113, 1118-1129.	3.0	20
39	Multi-view reconstruction for projector camera systems based on bundle adjustment. , 2009, , .		5
40	Shape from Grid Pattern Based on Coplanarity Constraints for One-shot Scanning. IPSJ Transactions on Computer Vision and Applications, 2009, 1, 139-157.	4.4	9
41	Multi-view reconstruction for projector camera systems based on bundle adjustment. , 2009, , .		0
42	One-shot range scanner using coplanarity constraints. , 2008, , .		7
43	Distortion-free fusion of multiple video camera images using EPI analysis. Electronics and Communications in Japan, 2007, 90, 85-98.	0.2	0
44	Shape Reconstruction from Cast Shadows Using Coplanarities and Metric Constraints. , 2007, , 847-857.		5
45	Self-Calibration of Multiple Laser Planes for 3D Scene Reconstruction. , 2006, , .		11
46	Simultaneous estimation of projector and camera poses for multiple oneshot scan using pixel-wise correspondences estimated by U-Nets and GCN. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-9.	1.3	0