

Hiroshi Kawasaki

List of Publications by Year in descending order

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46
papers

443
citations

1307594

7
h-index

1372567

10
g-index

50
all docs

50
docs citations

50
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Dense 3D reconstruction method using a single pattern for fast moving object. , 2009, , .		74
2	Grid-Based Active Stereo with Single-Colored Wave Pattern for Dense One-shot 3D Scan. , 2012, , .		43
3	Dense one-shot 3D reconstruction by detecting continuous regions with parallel line projection. , 2011, , .		42
4	Shape Acquisition and Registration for 3D Endoscope Based on Grid Pattern Projection. Lecture Notes in Computer Science, 2016, , 399-415.	1.3	24
5	One-shot Entire Shape Acquisition Method Using Multiple Projectors and Cameras. , 2010, , .		22
6	Laser range scanner based on self-calibration techniques using coplanarities and metric constraints. Computer Vision and Image Understanding, 2009, 113, 1118-1129.	4.7	20
7	3D endoscope system using DOE projector. , 2016, 2016, 2091-2094.		17
8	Active One-Shot Scan for Wide Depth Range Using a Light Field Projector Based on Coded Aperture. , 2015, , .		16
9	2-DOF auto-calibration for a 3D endoscope system based on active stereo. , 2015, 2015, 7937-41.		16
10	Shape Reconstruction and Camera Self-Calibration Using Cast Shadows and Scene Geometries. International Journal of Computer Vision, 2009, 83, 135-148.	15.6	15
11	Calibration of a 3D endoscopic system based on active stereo method for shape measurement of biological tissues and specimen. , 2014, 2014, 4991-4.		14
12	Self-Calibration of Multiple Laser Planes for 3D Scene Reconstruction. , 2006, , .		11
13	Depth from Projector's Defocus Based on Multiple Focus Pattern Projection. IPSJ Transactions on Computer Vision and Applications, 2014, 6, 88-92.	4.4	11
14	Structured light with coded aperture for wide range 3D measurement. , 2012, , .		10
15	One-Shot Entire Shape Scanning by Utilizing Multiple Projector-Camera Constraints of Grid Patterns. , 2013, , .		10
16	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
17	Robust and Accurate One-Shot 3D Reconstruction by 2C1P System with Wave Grid Pattern. , 2013, , .		9
18	Efficient rate-distortion compression of dynamic point cloud for grid-pattern-based 3D scanning systems. 3D Research, 2012, 3, 1.	1.8	8

#	ARTICLE	IF	CITATIONS
19	One-shot range scanner using coplanarity constraints. , 2008, , .		7
20	Single colour one-shot scan using modified Penrose tiling pattern. IET Computer Vision, 2013, 7, 293-301.	2.0	7
21	Proposal on 3-D endoscope by using grid-based active stereo. , 2013, 2013, 5694-7.		7
22	Optimized Aperture for Estimating Depth from Projector's Defocus. , 2013, , .		6
23	Multi-view reconstruction for projector camera systems based on bundle adjustment. , 2009, , .		5
24	Active Lighting and Its Application for Computer Vision. Advances in Computer Vision and Pattern Recognition, 2020, , .	1.3	5
25	Simultaneous Camera, Light Position and Radiant Intensity Distribution Calibration. Lecture Notes in Computer Science, 2016, , 557-571.	1.3	5
26	Realtime Novel View Synthesis with Eigen-Texture Regression. , 2017, , .		5
27	Shape Reconstruction from Cast Shadows Using Coplanarities and Metric Constraints. , 2007, , 847-857.		5
28	Simultaneous deblur and super-resolution technique for video sequence captured by hand-held video camera. , 2014, , .		4
29	Noncontact measurement of cardiac beat by using active stereo with waved-grid pattern projection. , 2013, 2013, 1756-9.		3
30	Super resolution of fisheye images captured by on-vehicle camera for visibility support. , 2015, , .		3
31	Human Shape Reconstruction with Loose Clothes from Partially Observed Data by Pose Specific Deformation. Lecture Notes in Computer Science, 2019, , 225-239.	1.3	3
32	Single-shot dense active stereo with pixel-wise phase estimation based on grid-structure using CNN and correspondence estimation using GCN. , 2022, , .		3
33	4D Capture Using Visibility Information of Multiple Projector Camera System. , 2014, , .		2
34	Representing a Partially Observed Non-Rigid 3D Human Using Eigen-Texture and Eigen-Deformation. , 2018, , .		2
35	Distortion-free fusion of multiple video camera images using EPI analysis. Electronics and Communications in Japan, 2007, 90, 85-98.	0.2	0
36	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.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Other Shape Reconstruction Techniques. Advances in Computer Vision and Pattern Recognition, 2020, , 157-181.	1.3	0
38	Photometry. Advances in Computer Vision and Pattern Recognition, 2020, , 3-29.	1.3	0
39	Biomedical Application. Advances in Computer Vision and Pattern Recognition, 2020, , 241-262.	1.3	0
40	Sensor. Advances in Computer Vision and Pattern Recognition, 2020, , 63-87.	1.3	0
41	Photometric Stereo. Advances in Computer Vision and Pattern Recognition, 2020, , 107-123.	1.3	0
42	Visualization/AR/VR/MR Systems. Advances in Computer Vision and Pattern Recognition, 2020, , 213-239.	1.3	0
43	Structured Light. Advances in Computer Vision and Pattern Recognition, 2020, , 125-155.	1.3	0
44	Robot Vision, Autonomous Vehicles, and Human Robot Interaction. Advances in Computer Vision and Pattern Recognition, 2020, , 289-303.	1.3	0
45	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.	1.9	0
46	Multi-view reconstruction for projector camera systems based on bundle adjustment. , 2009, , .		0