

# Ryo Furukawa

## List of Publications by Year in descending order

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38  
papers

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citations

1464605

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docs citations

43  
times ranked

299  
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	Fully Auto-calibrated Active-stereo-based 3D Endoscopic System using Correspondence Estimation with Graph Convolutional Network. , 2020, 2020, 4357-4360.		14
4	Active Lighting and Its Application for Computer Vision. Advances in Computer Vision and Pattern Recognition, 2020, , .	0.9	5
5	Other Shape Reconstruction Techniques. Advances in Computer Vision and Pattern Recognition, 2020, , 157-181.	0.9	0
6	Photometry. Advances in Computer Vision and Pattern Recognition, 2020, , 3-29.	0.9	0
7	Biomedical Application. Advances in Computer Vision and Pattern Recognition, 2020, , 241-262.	0.9	0
8	Sensor. Advances in Computer Vision and Pattern Recognition, 2020, , 63-87.	0.9	0
9	Photometric Stereo. Advances in Computer Vision and Pattern Recognition, 2020, , 107-123.	0.9	0
10	Visualization/AR/VR/MR Systems. Advances in Computer Vision and Pattern Recognition, 2020, , 213-239.	0.9	0
11	Structured Light. Advances in Computer Vision and Pattern Recognition, 2020, , 125-155.	0.9	0
12	Robot Vision, Autonomous Vehicles, and Human Robot Interaction. Advances in Computer Vision and Pattern Recognition, 2020, , 289-303.	0.9	0
13	Simultaneous shape and camera-projector parameter estimation for 3D endoscopic system using CNN-based grid-oneshot scan. Healthcare Technology Letters, 2019, 6, 249-254.	1.9	13
14	A structured light laser probe for gastrointestinal polyp size measurement: a preliminary comparative study. Endoscopy International Open, 2018, 06, E602-E609.	0.9	18
15	Auto-calibration Method for Active 3D Endoscope System Using Silhouette of Pattern Projector. Lecture Notes in Computer Science, 2018, , 222-236.	1.0	0
16	3D Endoscope System Using Asynchronously Blinking Grid Pattern Projection for HDR Image Synthesis. Lecture Notes in Computer Science, 2017, , 16-28.	1.0	1
17	Shape Acquisition and Registration for 3D Endoscope Based on Grid Pattern Projection. Lecture Notes in Computer Science, 2016, , 399-415.	1.0	24
18	3D endoscope system using DOE projector. , 2016, 2016, 2091-2094.		17

#	ARTICLE	IF	CITATIONS
19	Surface normal estimation of black specular objects from multiview polarization images. Optical Engineering, 2016, 56, 041303.	0.5	43
20	Optimization of LED Illumination for Generating Metamerism. Journal of Imaging Science and Technology, 2016, 60, 605021-6050215.	0.3	2
21	Active One-Shot Scan for Wide Depth Range Using a Light Field Projector Based on Coded Aperture. , 2015, , .		16
22	2-DOF auto-calibration for a 3D endoscope system based on active stereo. , 2015, 2015, 7937-41.		16
23	Calibration of a 3D endoscopic system based on active stereo method for shape measurement of biological tissues and specimen. , 2014, 2014, 4991-4.		14
24	4D Capture Using Visibility Information of Multiple Projector Camera System. , 2014, , .		2
25	Dense 3D Reconstruction from High Frame-Rate Video Using a Static Grid Pattern. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1733-1747.	9.7	30
26	Robust and Accurate One-Shot 3D Reconstruction by 2C1P System with Wave Grid Pattern. , 2013, , .		9
27	One-Shot Entire Shape Scanning by Utilizing Multiple Projector-Camera Constraints of Grid Patterns. , 2013, , .		10
28	Proposal on 3-D endoscope by using grid-based active stereo. , 2013, 2013, 5694-7.		7
29	Noncontact measurement of cardiac beat by using active stereo with waved-grid pattern projection. , 2013, 2013, 1756-9.		3
30	Grid-Based Active Stereo with Single-Colored Wave Pattern for Dense One-shot 3D Scan. , 2012, , .		43
31	Dense one-shot 3D reconstruction by detecting continuous regions with parallel line projection. , 2011, , .		42
32	One-shot Entire Shape Acquisition Method Using Multiple Projectors and Cameras. , 2010, , .		22
33	Dense 3D reconstruction method using a single pattern for fast moving object. , 2009, , .		74
34	Shape Reconstruction and Camera Self-Calibration Using Cast Shadows and Scene Geometries. International Journal of Computer Vision, 2009, 83, 135-148.	10.9	15
35	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
36	Shape Reconstruction from Cast Shadows Using Coplanarities and Metric Constraints. , 2007, , 847-857.		5

#	ARTICLE	IF	CITATIONS
37	Self-Calibration of Multiple Laser Planes for 3D Scene Reconstruction. , 2006, , .		11
38	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