Ryusuke Sagawa

List of Publications by Citations

57 papers	571 citations	11 h-index	23 g-index
62 ext. papers	668 ext. citations	1.8 avg, IF	3.36 L-index

#	Paper	IF	Citations
57	Gait Recognition Using a View Transformation Model in the Frequency Domain. *Lecture Notes in Computer Science*, **2006**, 151-163	0.9	169
56	The Great Buddha Project: Digitally Archiving, Restoring, and Analyzing Cultural Heritage Objects. *International Journal of Computer Vision*, **2007**, 75, 189-208	10.6	73
55	**2009**,		57
54	Grid-Based Active Stereo with Single-Colored Wave Pattern for Dense One-shot 3D Scan **2012**,		38
53	Dense one-shot 3D reconstruction by detecting continuous regions with parallel line projection **2011**,		30
52	Dense 3D Reconstruction from High Frame-Rate Video Using a Static Grid Pattern. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 1733-47	13.3	21
51	Hole filling of a 3D model by flipping signs of a signed distance field in adaptive resolution. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 686-99	13.3	21
50	One-shot Entire Shape Acquisition Method Using Multiple Projectors and Cameras **2010**,		17
49	3D endoscope system using DOE projector. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 2091-2094	0.9	13
48	2-DOF auto-calibration for a 3D endoscope system based on active stereo. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 7937-41	0.9	12
47	Calibration of a 3D endoscopic system based on active stereo method for shape measurement of biological tissues and specimen. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 4991-4	0.9	12
46	Symmetry-Aware Nonrigid Matching of Incomplete 3D Surfaces **2014**,		9
45	Phase Registration of a Single Quasi-Periodic Signal Using Self Dynamic Time Warping. *Lecture Notes in Computer Science*, **2011**, 667-678	0.9	9
44	Phase Estimation of a Single Quasi-Periodic Signal. *IEEE Transactions on Signal Processing*, **2014**, 62, 2066-2079	4.2	8
43	Fully Auto-calibrated Active-stereo-based 3D Endoscopic System using Correspondence Estimation with Graph Convolutional Network. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2020**, 2020, 4357-4360	0.9	8
42	One-Shot Entire Shape Scanning by Utilizing Multiple Projector-Camera Constraints of Grid Patterns **2013**,		6
41	Illuminant-Camera Communication to Observe Moving Objects under Strong External Light by Spread Spectrum Modulation **2017**,		6

40	Efficient rate-distortion compression of dynamic point cloud for grid-pattern-based 3D scanning systems. *3D Research*, **2012**, 3, 1	2.4	6
39	Single colour one-shot scan using modified Penrose tiling pattern. *IET Computer Vision*, **2013**, 7, 293-301	1.4	6
38	Proposal on 3-D endoscope by using grid-based active stereo. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 5694-7	0.9	6
37	Entire Shape Acquisition Technique Using Multiple Projectors and Cameras with Parallel Pattern Projection. *IPSJ Transactions on Computer Vision and Applications*, **2012**, 4, 40-52	3.3	6
36	Shape from Grid Pattern Based on Coplanarity Constraints for One-shot Scanning. *IPSJ Transactions on Computer Vision and Applications*, **2009**, 1, 139-157	3.3	6
35	Robust and Accurate One-Shot 3D Reconstruction by 2C1P System with Wave Grid Pattern **2013**,		5
34	**2011**,		5
33	Temporal Octrees for Compressing Dynamic Point Cloud Streams **2014**,		3
32	Noncontact measurement of cardiac beat by using active stereo with waved-grid pattern projection. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 1756-9	0.9	3
31	Extraction and Visualization of Cardiac Beat by Grid-Based Active Stereo. *Lecture Notes in Computer Science*, **2013**, 146-157	0.9	3
30	Calibration Technique for Underwater Active Oneshot Scanning System with Static Pattern Projector and Multiple Cameras **2017**,		2
29	Active Lighting and Its Application for Computer Vision. *Advances in Computer Vision and Pattern Recognition*, **2020**,	1.1	2
28	Entire shape scan system with multiple pro-cams using texture information and accurate silhouette creating technique **2015**,		1
27	Visibility reduction based performance evaluation of vision-based safety sensors **2015**,		1
26	4D Capture Using Visibility Information of Multiple Projector Camera System **2014**,		1
25	Basic study on non-contact measurement of cardiac beat by using grid-based active stereo. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 2036-9	0.9	1
24	Analyzing Muscle Activity and Force with Skin Shape Captured by Non-contact Visual Sensor. *Lecture Notes in Computer Science*, **2016**, 488-501	0.9	1
23	Single Color One-Shot Scan Using Topology Information. *Lecture Notes in Computer Science*, **2012**, 486-495	0.9	1

22	Automatic feature extraction using CNN for robust active one-shot scanning **2016**,		1
21	GCN-Calculated Graph-Feature Embedding for 3D Endoscopic System Based on Active Stereo. *Communications in Computer and Information Science*, **2021**, 253-266	0.3	1
20	Single-shot dense active stereo with pixel-wise phase estimation based on grid-structure using CNN and correspondence estimation using GCN **2022**,		1
19	Dynamic Compression of Curve-Based Point Cloud. *Lecture Notes in Computer Science*, **2011**, 323-334	0.9	0
18	Underwater Active Oneshot Scan with Static Wave Pattern and Bundle Adjustment. *Lecture Notes in Computer Science*, **2016**, 404-418	0.9	0
17	Predicting Muscle Activity and Joint Angle from Skin Shape. *Lecture Notes in Computer Science*, **2019**, 488-502	0.9	
16	A Triangle Mesh Reconstruction Method Taking into Account Silhouette Images. *Lecture Notes in Computer Science*, **2016**, 582-593	0.9	
15	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*,1-9	0.9	
14	Photometric Stereo. *Advances in Computer Vision and Pattern Recognition*, **2020**, 107-123	1.1	
13	Visualization/AR/VR/MR Systems. *Advances in Computer Vision and Pattern Recognition*, **2020**, 213-239	1.1	
12	Structured Light. *Advances in Computer Vision and Pattern Recognition*, **2020**, 125-155	1.1	
11	Robot Vision, Autonomous Vehicles, and Human Robot Interaction. *Advances in Computer Vision and Pattern Recognition*, **2020**, 289-303	1.1	
10	Other Shape Reconstruction Techniques. *Advances in Computer Vision and Pattern Recognition*, **2020** , 157-181	1.1	
9	Photometric Estimation. *Advances in Computer Vision and Pattern Recognition*, **2020**, 183-209	1.1	
8	Photometry. *Advances in Computer Vision and Pattern Recognition*, **2020**, 3-29	1.1	
7	E-Heritage. *Advances in Computer Vision and Pattern Recognition*, **2020**, 263-287	1.1	
6	Biomedical Application. *Advances in Computer Vision and Pattern Recognition*, **2020**, 241-262	1.1	
5	Light Source. *Advances in Computer Vision and Pattern Recognition*, **2020**, 89-103	1.1	

4	Sensor. *Advances in Computer Vision and Pattern Recognition*, **2020**, 63-87	1.1
3	Marker-less Facial Motion Capture based on the Recognition of the Parts. *Journal of the Japan Society for Precision Engineering*, **2013**, 79, 1152-1158	0.1
2	Challenges on Active 3D Scan for Ultra-Fast Motion, Micro Scale and Extreme Environment. *Journal of the Japan Society for Precision Engineering*, **2021**, 87, 656-661	0.1
1	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	0.9