Hiromitsu Fujii

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5770308/publications.pdf

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43	217	2148532	1905433
papers	citations	4 h-index	7 g-index

43	43	43	168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weakly Supervised Acoustic Defect Detection in Concrete Structures Using Clustering-Based Augmentation. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2826-2834.	3.7	4
2	Complementarity of Sensors and Weak Supervision for Defect Detection in Concrete Structures. , 2020, , .		4
3	360Â° Depth Estimation from Multiple Fisheye Images with Origami Crown Representation of Icosahedron. , 2020, , .		12
4	Automatic Transfer Rate Adjustment for Transfer Reinforcement Learning. International Journal of Artificial Intelligence & Applications, 2020, 11, 47-54.	0.3	1
5	Development of Perilous Environment Estimation System Using a Teleoperated Rescue Robot with On-board LiDAR. , 2019, , .		4
6	Octave Deep Plane-Sweeping Network: Reducing Spatial Redundancy for Learning-Based Plane-Sweeping Stereo. IEEE Access, 2019, 7, 150306-150317.	2.6	3
7	Weakly Supervised Approach to Defect Detection in Concrete Structures Using Hammering Test. , 2019, , .		6
8	3D Measurement of Large Structure by Multiple Cameras and a Ring Laser. Journal of Robotics and Mechatronics, 2019, 31, 251-262.	0.5	8
9	Fuzzy Clustering of Spatially Relevant Acoustic Data for Defect Detection. IEEE Robotics and Automation Letters, 2018, 3, 2616-2623.	3.3	14
10	Real-Time Registration of Rgb-D Image Pair for See-Through System. , 2018, , .		1
11	Distortion-Robust Spherical Camera Motion Estimation via Dense Optical Flow. , 2018, , .		6
12	Line-Based Global Localization of a Spherical Camera in Manhattan Worlds. , 2018, , .		12
13	Refraction-Based Bundle Adjustment for Scale Reconstructible Structure from Motion. Journal of Robotics and Mechatronics, 2018, 30, 660-670.	0.5	4
14	Spatio-Temporal Video Completion in Spherical Image Sequences. IEEE Robotics and Automation Letters, 2017, 2, 2032-2039.	3.3	5
15	Multi-modal diagnostic method for detection of concrete crack direction using light-section method and hammering test. , 2017, , .		9
16	Safeness visualization of terrain for teleoperation of mobile robot using 3D environment map and dynamic simulator. , 2017, , .		1
17	Estimation of scale and slope information for structure from motion-based 3D map. , 2017, , .		2
18	Clustering of spatially relevant audio data using mel-frequency cepstrum for diagnosis of concrete structure by hammering test. , 2017, , .		9

#	Article	IF	Citations
19	Virtual reality with motion parallax by dense optical flow-based depth generation from two spherical images. , 2017, , .		5
20	Spherical Video Stabilization by Estimating Rotation from Dense Optical Flow Fields. Journal of Robotics and Mechatronics, 2017, 29, 566-579.	0.5	2
21	Defect detection with estimation of material condition using ensemble learning for hammering test. , 2016, , .		21
22	Hammering diagnosis algorithm with automated calibration. Transactions of the JSME (in Japanese), 2016, 82, 15-00426-15-00426.	0.1	3
23	Correction of over- and underexposed images using multiple lighting system for exploration robot in dark environments. , 2016, , .		0
24	3D reconstruction of structures using spherical cameras with small motion. , 2016, , .		10
25	Scale reconstructable structure from motion using refraction with omnidirectional camera. , 2016, , .		1
26	Aurora 3d-measurement from whole-sky time series image using fish-eye stereo camera. Transactions of the JSME (in Japanese), 2016, 82, 15-00428-15-00428.	0.1	0
27	Creating see-through image using two RGB-D sensors for remote control robot. , 2016, , .		2
28	Simultaneous tele-visualization of construction machine and environment using body mounted cameras. , 2016, , .		14
29	Optical flow-based video completion in spherical image sequences. , 2016, , .		5
30	Development of bird's-eye view system in unmanned construction. Transactions of the JSME (in) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	4
31	Absolute scale structure from motion using a refractive plate. , 2015, , .		9
32	Scale-reconstructable Structure from Motion using refraction with a single camera. , 2015, , .		12
33	Bird's-eye View Image Generation with Camera Malfunction in Irradiation Environment. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 177-178.	0.0	4
34	3D Measurement of Large Structures with a Ring Laser and a Camera Using Structure from Motion for Integrating Cross Sections. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 233-234.	0.0	3
35	Unsupervised Learning Approach to Detection of Void-type Defects in Concrete Structure Using Hammering and Clustering. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 319-320.	0.0	2
36	Robot Body Occlusion Removal in Omnidirectional Video Using Color and Shape Information. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 49-50.	0.0	0

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37	Seeing through Obstacles by Using Movable RGB-D Sensors. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 29-30.	0.0	0
38	Boosting-based Visualization of Concrete Defects for Hammering Inspection. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 55.	0.0	0
39	Three-dimensional measurement of objects in liquid with an unknown refractive index using fisheye stereo camera. , 2014, , .		1
40	Automated diagnosis of material condition in hammering test using a boosting algorithm. , 2014, , .		12
41	Analysis of assembly skills for dry battery insertion based on force control parameters. , 2009, , .		1
42	Motion generation for clutch assembly by integration of multiple existing policies. , 2008, , .		1
43	Analysis of Clutch Assembly with Dynamic Simulator. Journal of the Japan Society for Precision Engineering, 2007, 73, 475-480.	0.0	0