

Manabu Hashimoto

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

260
citations

1307594

7
h-index

1058476

14
g-index

51
all docs

51
docs citations

51
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-occurrence probability-based pixel pairs background model for robust object detection in dynamic scenes. <i>Pattern Recognition</i> , 2015, 48, 1374-1390.	8.1	57
2	A brief review of affordance in robotic manipulation research. <i>Advanced Robotics</i> , 2017, 31, 1086-1101.	1.8	38
3	Foreground detection based on co-occurrence background model with hypothesis on degradation modification in dynamic scenes. <i>Signal Processing</i> , 2019, 160, 66-79.	3.7	15
4	Enhanced convolutional LSTM with spatial and temporal skip connections and temporal gates for facial expression recognition from video. <i>Neural Computing and Applications</i> , 2021, 33, 7381-7392.	5.6	14
5	Marker-less piano fingering recognition using sequential depth images. , 2013, , .		13
6	High-speed template matching algorithm using information of contour points. <i>Systems and Computers in Japan</i> , 1992, 23, 78-87.	0.2	9
7	Stable Position and Pose Estimation of Industrial Parts Using Evaluation of Observability of 3D Vector Pairs. <i>Journal of Robotics and Mechatronics</i> , 2015, 27, 174-181.	1.0	9
8	Robust Object Detection in Severe Imaging Conditions using Co-Occurrence Background Model. <i>International Journal of Optomechatronics</i> , 2014, 8, 14-29.	6.6	8
9	Extraction of unique pixels based on co-occurrence probability for high-speed template matching. , 2010, , .		7
10	Co-occurrence-based adaptive background model for robust object detection. , 2013, , .		7
11	DPN-LRF: A Local Reference Frame for Robustly Handling Density Differences and Partial Occlusions. <i>Lecture Notes in Computer Science</i> , 2015, , 878-887.	1.3	7
12	Current Status and Future Trends on Robot Vision Technology. <i>Journal of Robotics and Mechatronics</i> , 2017, 29, 275-286.	1.0	7
13	High-speed and reliable object recognition using distinctive 3-D vector-pairs in a range image. , 2012, , .		6
14	An extended method of the parametric eigenspace method by automatic background elimination. , 2013, , .		6
15	Facial-Expression Recognition from Video using Enhanced Convolutional LSTM. , 2019, , .		6
16	SHORT: A fast 3D feature description based on estimating occupancy in spherical shell regions. , 2015, , .		5
17	A Survey and Technology Trends of 3D Features for Object Recognition. <i>Electronics and Communications in Japan</i> , 2017, 100, 31-42.	0.5	5
18	Detection of Semantic Grasping-Parameter using Part-Affordance Recognition. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	A Fast and Robust Image Matching for Illumination Variation using Stable Pixel Template based on Co-occurrence Analysis. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1010-1016.	0.2	5
20	Bin-picking Robot using a Multi-gripper Switching Strategy based on Object Sparseness. , 2019, , .		4
21	High-Speed Image Matching Using Unique Reference Pixels Selected on the Basis of Co-occurrence Probability. IEEJ Transactions on Industry Applications, 2011, 131, 531-538.	0.2	4
22	Robust Picture Matching Using Optimum Selection of Partial Templates. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 629-636.	0.2	3
23	High-speed Object Pose Recognition using Distinctive 3-D Vector Pairs. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1853-1854.	0.2	2
24	A Robust Matching Method for Low-Texture Images Based on Co-Occurrence Probability of Geometry-Optimized Pixel Patterns. Electronics and Communications in Japan, 2015, 98, 14-22.	0.5	2
25	A Co-occurrence Background Model with Hypothesis on Degradation Modification for Object Detection in Strong Background Changes. , 2018, , .		2
26	Foreground Detection based on Co-occurrence Background Model with Hypothesis on Degradation Modification in Background Changes. , 2018, , .		2
27	A Survey and Technology Trends of 3D Features for Object Recognition. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 1038-1046.	0.2	2
28	Evaluation of JPEG Blockiness by the Fast Analysis of Information on Local Image Frequency. IEEJ Transactions on Industry Applications, 2011, 131, 600-607.	0.2	2
29	Semi-automatic Training Data Generation for Semantic Segmentation using 6DoF Pose Estimation. , 2019, , .		2
30	Multiple straight line detection based on labeling of pixels by Genetic Algorithm. , 2011, , .		1
31	Statistical spatial multi-pixel-pair model for object detection. , 2012, , .		1
32	Position and pose recognition of randomly stacked objects using highly observable 3D vector pairs. , 2014, , .		1
33	Accuracy improvement of functional attribute recognition by dense CRF considering object shape. Electronics and Communications in Japan, 2019, 102, 56-62.	0.5	1
34	Various Human-Trajectory Recognition and its Applications. Journal of the Institute of Electrical Engineers of Japan, 2005, 125, 705-707.	0.0	1
35	Current Technologies and its Trends of Machine Vision in the Field of Security and Disaster Prevention. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 466-471.	0.2	1
36	Recognition of multiple objects based on global image consistency between a scene hypothesis and the acquired image. Systems and Computers in Japan, 2001, 32, 19-31.	0.2	0

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37	Vision system for object handling robot using a low-resolution range image and an intensity image. Systems and Computers in Japan, 2002, 33, 21-29.	0.2	0
38	Robust image matching for irregular illumination variation based on spatio-temporal analysis of image intensity. , 2012, , .		0
39	High-speed and reliable object recognition based on low-dimensional local shape features. , 2014, , .		0
40	Improved method of reducing mismatching in manifold template matching. , 2018, , .		0
41	Multi-Dimensional Sensing for Security in Everyday Life. IEEJ Transactions on Industry Applications, 2011, 131, 418-425.	0.2	0
42	Application of Multi-Dimensional Sensing Technologies in Production Systems. IEEJ Transactions on Industry Applications, 2011, 131, 426-432.	0.2	0
43	Proposal of Relative Rareness Measure for Pixel Blocks and Its Application to Region Extraction. IEEJ Transactions on Industry Applications, 2011, 131, 539-547.	0.2	0
44	A Robust Matching Method for Low-textured Image based on Co-occurrence Probability of Geometry-Optimized Pixel Patterns. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1943-1949.	0.2	0
45	A Proposal of 3D Feature based on Occupancy of Point Cloud in Multi-Scale Shell Region. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 1078-1084.	0.2	0
46	Person-invariant Facial Expression Recognition based on Coded Movement Direction of Keypoints of Facial Parts. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 611-618.	0.2	0
47	Accuracy Improvement of Functional Attribute Recognition by Dense CRF Considering Object Shape. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 1088-1093.	0.2	0
48	3D Primitive Approximation Method for Model-less Determining of Grasping Parameters. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 35-41.	0.2	0
49	A Multi-purpose RGB-D Dataset for Understanding Everyday Objects. , 2020, , .		0
50	Picking Robot based on a Two-finger Gripper for Various Mixed Items in Shelves. Journal of the Robotics Society of Japan, 2020, 38, 95-103.	0.1	0
51	Proposal of Recurrent Attention Module for Capturing Subtle Facial Expression Changes. Journal of the Japan Society for Precision Engineering, 2022, 88, 168-173.	0.1	0