

# Masamichi Shimosaka

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

309  
citations

1307594

7  
h-index

1372567

10  
g-index

37  
all docs

37  
docs citations

37  
times ranked

201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hand shape classification with a wrist contour sensor. , 2011, , .		52
2	Grasping by caging: A promising tool to deal with uncertainty. , 2012, , .		34
3	Anomaly detection algorithm based on life pattern extraction from accumulated pyroelectric sensor data. , 2008, , .		22
4	A new &#x201C;grasping by caging&#x201D; solution by using eigen-shapes and space mapping. , 2013, , .		18
5	Hand shape classification in various pronation angles using a wearable wrist contour sensor. Advanced Robotics, 2015, 29, 3-11.	1.8	17
6	Collective Activity Localization with Contextual Spatial Pyramid. Lecture Notes in Computer Science, 2012, , 243-252.	1.3	16
7	Moving objects detection and classification based on trajectories of LRF scan data on a grid map. , 2010, , .		12
8	Cooperative manipulation with least number of robots via robust caging. , 2012, , .		12
9	ZigBee based wireless indoor localization with sensor placement optimization towards practical home sensing*. Advanced Robotics, 2016, 30, 315-325.	1.8	11
10	Development of wrist contour measuring device for an interface using hand shape recognition. Advanced Robotics, 2013, 27, 481-492.	1.8	10
11	Efficient calibration for rssi-based indoor localization by bayesian experimental design on multi-task classification. , 2016, , .		10
12	Pose estimation of multiple people using contour features from multiple laser range finders. , 2009, , .		9
13	Integrated driver modelling considering state transition feature for individual adaptation of driver assistance systems. Vehicle System Dynamics, 2010, 48, 55-71.	3.7	9
14	On the caging region of a third finger with object boundary clouds and two given contact positions. , 2012, , .		9
15	A fully connected model for consistent collective activity recognition in videos. Pattern Recognition Letters, 2014, 43, 109-118.	4.2	9
16	Hand-shape classification with a wrist contour sensor: Analyses of feature types, resemblance between subjects, and data variation with pronation angle. International Journal of Robotics Research, 2014, 33, 658-671.	8.5	8
17	Viewpoint Invariant Collective Activity Recognition with Relative Action Context. Lecture Notes in Computer Science, 2012, , 253-262.	1.3	8
18	Anomaly Detection and Life Pattern Estimation for the Elderly Based on Categorization of Accumulated Data. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Robustifying Wi-Fi Localization by Between-Location Data Augmentation. IEEE Sensors Journal, 2022, 22, 5407-5416.	4.7	5
20	Spatiality Preservable Factored Poisson Regression for Large-Scale Fine-Grained GPS-Based Population Analysis. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1142-1149.	4.9	4
21	Fast Online Action Recognition with Boosted Combinational Motion Features. , 2006, , .		3
22	Fast online human pose estimation via 3D voxel data. , 2007, , .		3
23	Discriminative Data Visualization for Daily Behavior Modeling. Advanced Robotics, 2009, 23, 429-441.	1.8	3
24	Sensor Arrangement for Classification of Life Activities with Pyroelectric Sensors - Arrangement to Save Sensors and to Quasi-Maximize Classification Precision. Journal of Robotics and Mechatronics, 2011, 23, 494-504.	1.0	3
25	Recognition of Human Daily Actions Based on Continuous Hidden Markov Models and Hierarchical Structure of Actions as Tree Representation. Journal of the Robotics Society of Japan, 2005, 23, 957-966.	0.1	3
26	Online action recognition with wrapped boosting. , 2007, , .		2
27	Non-industrial stacker crane with compatibility/extensibility between manual operation and electrical driving. , 2012, , .		2
28	Collective activity localization by spatiality preservation search. Advanced Robotics, 2016, 30, 784-794.	1.8	2
29	Online Action Recognition with Margin-Based Query Learning. Journal of the Robotics Society of Japan, 2006, 24, 861-872.	0.1	2
30	Fast Online Human Pose Estimation via 3D Voxel Data. Journal of the Robotics Society of Japan, 2008, 26, 913-924.	0.1	2
31	AI-BPO. , 2021, , .		2
32	Human Like Segmentation of Daily Actions based on Switching Model of Linear Dynamical Systems and Human Body Hierarchy. , 2006, , .		1
33	Robust indoor activity recognition via boosting. , 2008, , .		1
34	From analysis to practice: Three-finger caging of planar convex objects. , 2011, , .		0
35	Robust Health Score Prediction from Pyro-Sensor Activity Data based on Greedy Feature Selection. , 2019, , .		0
36	Measurement of Dense Static Point Cloud and Online Behavior Recognition Using Horizontal LIDAR and Pan Rotation of Vertical LIDAR with Mirrors. SICE Journal of Control Measurement and System Integration, 2014, 7, 12-20.	0.7	0