Yukiyasu Domae

List of Publications by Year
in descending order

35	300	1478505 6	1372567 10
papers	citations	h-index	g-index

35	35	35	183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast graspability evaluation on single depth maps for bin picking with general grippers. , 2014, , .		83
2	Learning Based Robotic Bin-picking for Potentially Tangled Objects. , 2019, , .		26
3	Development of Production Robot System that can Assemble Products with Cable and Connector. Journal of Robotics and Mechatronics, 2011, 23, 939-950.	1.0	20
4	Learning Based Industrial Bin-Picking Trained with Approximate Physics Simulator. Advances in Intelligent Systems and Computing, 2019, , 786-798.	0.6	19
5	Planning an Efficient and Robust Base Sequence for a Mobile Manipulator Performing Multiple Pick-and-place Tasks. , 2020, , .		18
6	Recent Trends in the Research of Industrial Robots and Future Outlook. Journal of Robotics and Mechatronics, 2019, 31, 57-62.	1.0	18
7	Team O2AS at the world robot summit 2018: an approach to robotic kitting and assembly tasks using general purpose grippers and tools. Advanced Robotics, 0, , 1-17.	1.8	11
8	A robotic assembly system capable of handling flexible cables with connector. , 2011, , .		10
9	Robust tracking based on orientation code matching under irregular conditions. , 2005, , .		9
10	3-D Sensing for Flexible Linear Object Alignment in Robot Cell Production System. Journal of Robotics and Mechatronics, 2010, 22, 100-111.	1.0	9
11	A Topological Solution of Entanglement for Complex-shaped Parts in Robotic Bin-Picking. , 2021, , .		8
12	Bin-picking System for General Objects. Journal of the Robotics Society of Japan, 2015, 33, 387-394.	0.1	7
13	Robotic General Parts Feeder: Bin-picking, Regrasping, and Kitting. , 2020, , .		7
14	Current Status and Future Trends on Robot Vision Technology. Journal of Robotics and Mechatronics, 2017, 29, 275-286.	1.0	7
15	Planning a Minimum Sequence of Positions for Picking Parts From Multiple Trays Using a Mobile Manipulator. IEEE Access, 2021, 9, 165526-165541.	4.2	7
16	3D Object Discovery and Modeling Using Single RGB-D Images Containing Multiple Object Instances. , 2017, , .		6
17	Shape recognition of flexible cables by Outer Edge FCM clustering. , 2011, , .		5
18	Bin-picking Robot using a Multi-gripper Switching Strategy based on Object Sparseness. , 2019, , .		4

#	Article	IF	Citations
19	Team O2AS' approach for the task-board task of the World Robot Challenge 2018. Advanced Robotics, 0, , 1-22.	1.8	4
20	Development of a shape-memorable adaptive pin array fixture. Advanced Robotics, 2021, 35, 591-602.	1.8	4
21	Material Classification Using Active Temperature Controllable Robotic Gripper. , 2022, , .		4
22	Grasp pose detection for deformable daily items by pix2stiffness estimation. Advanced Robotics, 2022, 36, 600-610.	1.8	3
23	Fast and Precise Detection of Object Grasping Positions with Eigenvalue Templates. , 2019, , .		2
24	Selecting and designing grippers for an assembly task in a structured approach. Advanced Robotics, 2021, 35, 381-397.	1.8	2
25	Self-calibration of Hand-eye Coodinate Systems by Five Observations of an Uncalibrated Mark. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 968-974.	0.2	2
26	Technology Trends and Future about Picking and Manipulation by Robots. Journal of the Robotics Society of Japan, 2017, 35, 13-16.	0.1	2
27	Segment handling system prototype progress for Thirty Meter Telescope. Proceedings of SPIE, 2016, , .	0.8	1
28	Cyber Physical Systems and Human-Machine (Robot) Collaboration. Journal of the Robotics Society of Japan, 2019, 37, 683-686.	0.1	1
29	Team C2M: Two Cooperative Robots for Picking and Stowing in Amazon Picking Challenge 2016. , 2020, , 101-112.		1
30	3-dimentional measurement of cable configuration being based on feature tracking motion stereo. , 2007, , .		0
31	Motion Stereo including Tracking Stability Analysis for Eye-in-Hand Systems. Journal of the Japan Society for Precision Engineering, 2011, 77, 90-96.	0.1	0
32	Improvement of Pose Estimation by Reliability Evaluation based on Repeated Voting of Point Pair Features. Journal of the Japan Society for Precision Engineering, 2014, 80, 1097-1101.	0.1	0
33	Cost-oriented Planning for Error Recovery in an Automation Plant. Journal of Robotics, Networking and Artificial Life, 2020, 6, 225.	0.4	0
34	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
35	6. Machine Vision for Warehouse Automation. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2019, 73, 233-236.	0.1	0