Jun Ota

List of Publications by Year in descending order

336 papers	2,300 citations	361296 20 h-index	395590 33 g-index
344 all docs	344 docs citations	344 times ranked	1627 citing authors

#	Article	IF	Citations
1	A Neural Controller Model Considering the Vestibulospinal Tract in Human Postural Control. Frontiers in Computational Neuroscience, 2022, 16, 785099.	1.2	2
2	Passive Way of Measuring QOL/Well-Being Levels Using Smartphone Log. Frontiers in Digital Health, 2022, 4, 780566.	1.5	1
3	An Accurate and Efficient Voting Scheme for a Maximally All-Inlier 3D Correspondence Set. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2287-2298.	9.7	8
4	Development and Validation of Robot Patient Equipped with an Inertial Measurement Unit and Angular Position Sensors to Evaluate Transfer Skills of Nurses. International Journal of Social Robotics, 2021, 13, 899-917.	3.1	11
5	Multistream Temporal Convolutional Network for Correct/Incorrect Patient Transfer Action Detection Using Body Sensor Network. IEEE Internet of Things Journal, 2021, , 1-1.	5.5	0
6	Development of Robot Patient Lower Limbs to Reproduce the Sit-to-Stand Movement with Correct and Incorrect Applications of Transfer Skills by Nurses. Applied Sciences (Switzerland), 2021, 11, 2872.	1.3	4
7	Evaluating quiet standing posture of post-stroke patients by classifying cerebral infarction and cerebral hemorrhage patients. Advanced Robotics, 2021, 35, 878-888.	1.1	3
8	Effects of medication and dual tasking on postural sway in Parkinsonâ€™s disease: A pilot case study. Advanced Robotics, 2021, 35, 889-897.	1.1	0
9	A Novel Cable-Driven 7-DOF Anthropomorphic Manipulator. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2174-2185.	3.7	14
10	Increase in muscle tone promotes the use of ankle strategies during perturbed stance. Gait and Posture, 2021, 90, 67-72.	0.6	12
11	Throughput analysis of conveyor systems involving multiple materials based on capability decomposition. Computers in Industry, 2021, 132, 103526.	5.7	5
12	Proposal of a Neuromusculoskeletal Model Considering Muscle Tone in Human Gait. , 2021, , .		3
13	Evaluation of Postural Sway in Post-stroke Patients by Dynamic Time Warping Clustering. Frontiers in Human Neuroscience, 2021, 15, 731677.	1.0	5
14	Development of a Learning Factory Based on â€˜Digital Tripletâ€™ Concept. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2021, 2021.10, 189-183.	0.0	1
15	Human position and head direction tracking in fisheye camera using randomized ferns and fisheye histograms of oriented gradients. Visual Computer, 2020, 36, 1443-1456.	2.5	8
16	Investigation of the effect of tonus on the change in postural control strategy using musculoskeletal simulation. Gait and Posture, 2020, 76, 298-304.	0.6	7
17	Analysis of firefighting skill with a teleoperated robot. ROBOMECH Journal, 2020, 7, .	0.9	11
18	Characteristics of Skilled and Unskilled System Engineers in Troubleshooting for Network Systems. IEEE Access, 2020, 8, 80779-80791.	2.6	3

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19	Joint torque estimation for the human arm from sEMG using backpropagation neural networks and autoencoders. Biomedical Signal Processing and Control, 2020, 62, 102051.	3.5	16
20	Muscle Activation Patterns Estimation during Repeated Wrist Movements from MRI and sEMG*. , 2020, , .		0
21	Buffer Allocation via Bottleneck-Based Variable Neighborhood Search. Applied Sciences (Switzerland), 2020, 10, 8569.	1.3	4
22	Development of a robotic finger with a branching tendon mechanism and sensing based on the moment-equivalent point. Robotics and Autonomous Systems, 2020, 129, 103538.	3.0	1
23	Indoor human face following with environmental fisheye cameras and blimp. Advanced Robotics, 2020, 34, 621-636.	1.1	4
24	Motion Planning for Bandaging Task With Abnormal Posture Detection and Avoidance. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2364-2375.	3.7	6
25	Towards a Simplified Estimation of Muscle Activation Pattern from MRI and EMG Using Electrical Network and Graph Theory. Sensors, 2020, 20, 724.	2.1	5
26	Automatic risk assessment integrated with activity segmentation in the order picking process to support health management. CIRP Annals - Manufacturing Technology, 2020, 69, 17-20.	1.7	8
27	Multi-attention deep recurrent neural network for nursing action evaluation using wearable sensor. , 2020, , .		3
28	Objective Functions of Principal Contact Estimation from Motion Based on the Geometrical Singular Condition. , 2020, , .		0
29	Cross-feedback with Partner Contributes to Performance Accuracy in Finger-tapping Rhythm Synchronization between One Leader and Two Followers. Scientific Reports, 2019, 9, 7800.	1.6	3
30	Efficient Throughput Analysis of Production Lines Based on Modular Queues. IEEE Access, 2019, 7, 95314-95326.	2.6	8
31	Contact-Event-Triggered Mode Estimation for Dynamic Rigid Body Impedance-Controlled Capture. , 2019, , .		2
32	3D Affine: An Embedding of Local Image Features for Viewpoint Invariance Using RGB-D Sensor Data. Sensors, 2019, 19, 291.	2.1	4
33	Modal Planning for Cooperative Non-Prehensile Manipulation by Mobile Robots. Applied Sciences (Switzerland), 2019, 9, 462.	1.3	7
34	Kinematic Synthesis of a Serial Robotic Manipulator by Using Generalized Differential Inverse Kinematics. IEEE Transactions on Robotics, 2019, 35, 1047-1054.	7.3	15
35	Least Action Sequence Determination in the Planning of Non-prehensile Manipulation with Multiple Mobile Robots. Advances in Intelligent Systems and Computing, 2019, , 174-185.	0.5	1
36	Postural control of a musculoskeletal model against multidirectional support surface translations. PLoS ONE, 2019, 14, e0212613.	1.1	17

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37	A generalised makespan estimation for shop scheduling problems, using visual data and a convolutional neural network. International Journal of Computer Integrated Manufacturing, 2019, 32, 559-568.	2.9	8
38	Predicting anxiety state using smartphone-based passive sensing. Journal of Biomedical Informatics, 2019, 93, 103151.	2.5	51
39	Effect of practice on similar and dissimilar skills in patient transfer through training with a robot patient. Advanced Robotics, 2019, 33, 278-292.	1.1	6
40	Development of an SEMG-Handgrip Force Model Based on Cross Model Selection. IEEE Sensors Journal, 2019, 19, 1829-1838.	2.4	7
41	Generation of 2.5D Map for Mobile Robots on Indoor Floor with Non-Horizontal Partial Areas. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 732-744.	0.1	0
42	Automated inference of cognitive performance by fusing multimodal information acquired by smartphone. , 2019, , .		2
43	Study of design factors for transfer-aid equipment based on caregiversâ€™ feelings. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0013-JAMDSM0013.	0.3	3
44	Development of a Mobile Robot Capable of Tilting Heavy Objects and its Safe Placement with Respect to Target Objects. , 2018, , .		0
45	Fast Buffer Size Design of Production Lines for Meeting the Desired Throughput. , 2018, , .		1
46	Physiological Stress Level Estimation Based on Smartphone Logs. , 2018, , .		8
47	Translational Acceleration, Rotational Speed, and Joint Angle of Patients Related to Correct/Incorrect Methods of Transfer Skills by Nurses. Sensors, 2018, 18, 2975.	2.1	8
48	Jet-HR1: Stepping Posture Optimization for Bipedal Robot Over Large Ditch Based on a Ducted-fan Propulsion System. , 2018, , .		6
49	Analyzing the Relationship between Cognitive Performance and Time to Find Intended Mobile App. , 2018, , .		0
50	Queuing theory based part-flow estimation in a pick-and-place task with a multi-robot system. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0061-JAMDSM0061.	0.3	3
51	Collision-Based Contact Mode Estimation for Dynamic Rigid Body Capture. , 2018, , .		1
52	Mechanism allowing large-force application by a mobile robot, and development of ARODA. Robotics and Autonomous Systems, 2018, 110, 92-101.	3.0	2
53	Musculoskeletal simulations to investigate influences of muscle weakness and sensory noise to postural control with high stiffness. , 2018, , .		0
54	Automated Field-of-View, Illumination, and Recognition Algorithm Design of a Vision System for Pick-and-Place Considering Colour Information in Illumination and Images. Sensors, 2018, 18, 1656.	2.1	6

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55	Estimation of Handgrip Force from SEMG Based on Wavelet Scale Selection. Sensors, 2018, 18, 663.	2.1	19
56	Modeling Weather Context Dependent Food Choice Process. Journal of Information Processing, 2018, 26, 386-395.	0.3	2
57	Usability Analysis of Information on Workerâ€™s Hands in Animated Assembly Manuals. International Journal of Automation Technology, 2018, 12, 524-532.	0.5	3
58	Refining Two Robots Task Execution Through Tuning Behavior Trajectory and Balancing the Communication. Journal of Robotics and Mechatronics, 2018, 30, 613-623.	0.5	1
59	A model for the initial diagnosis of cerebellar disease. Advanced Robotics, 2017, 31, 143-154.	1.1	0
60	A postural control model incorporating multisensory inputs for maintaining a musculoskeletal model in a stance posture. Advanced Robotics, 2017, 31, 55-67.	1.1	12
61	Human-tracking system using quadrotors and multiple environmental cameras for face-tracking application. International Journal of Advanced Robotic Systems, 2017, 14, 172988141772735.	1.3	11
62	Automated design of image recognition in capturing environment. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, S49.	0.8	2
63	Robot Patient Design to Simulate Various Patients for Transfer Training. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2079-2090.	3.7	13
64	Novel frictional-locking-mechanism for a flat belt: Theory, mechanism, and validation. Mechanism and Machine Theory, 2017, 116, 371-382.	2.7	5
65	Impact of Using a Robot Patient for Nursing Skill Training in Patient Transfer. IEEE Transactions on Learning Technologies, 2017, 10, 355-366.	2.2	22
66	Automated design of the field-of-view, illumination, and image pre-processing parameters of an image recognition system. , 2017, , .		1
67	Compact design of a redundant manipulator system and application to multiple-goal tasks with temporal constraint. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2017, 11, JAMDSM0012-JAMDSM0012.	0.3	2
68	Vision-guided peg-in-hole assembly by Baxter robot. Advances in Mechanical Engineering, 2017, 9, 168781401774807.	0.8	16
69	Big data in automation: Towards generalized makespan estimation in shop scheduling problems. , 2017, , .		3
70	Recognizing whether a person is eating alone or has company by using wearable devices. , 2017, , .		2
71	Multisensory alterations in visual, vestibular and proprioceptive cues for modeling of postural control. , 2017, , .		0
72	Estimation of fingertip forces using high-density surface electromyography. , 2017, , .		2

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73	Non-invasive estimation method for lumbar spinal motion using flat belts and wires. , 2017, , .		1
74	Proprioceptive postural control of a musculoskeletal model against horizontal disturbances. , 2017, , .		1
75	Jet-HR1: Two-dimensional bipedal robot step over large obstacle based on a ducted-fan propulsion system. , 2017, , .		11
76	Peg-in-Hole Assembly Based on Two-phase Scheme and F/T Sensor for Dual-arm Robot. Sensors, 2017, 17, 2004.	2.1	24
77	The Effects of the Robot Patientâ€™s Patient-Likeness on Nursing Students. Lecture Notes in Computer Science, 2017, , 457-465.	1.0	1
78	An Analysis of the Cognitive Processes Related to â€œService Awarenessâ€•of Cabin Attendants. Lecture Notes in Computer Science, 2017, , 91-100.	1.0	2
79	Robot Patient Imitating Paralysis Patients for Nursing Students to Learn Patient Transfer Skill. Advances in Intelligent Systems and Computing, 2017, , 549-560.	0.5	0
80	Overview of Embodied-brain Systems Science. Journal of the Robotics Society of Japan, 2017, 35, 498-499.	0.0	0
81	Teaching Tasks to Multiple Small Robots by Classifying and Splitting a Human Example. Journal of Robotics and Mechatronics, 2017, 29, 419-433.	0.5	4
82	IR based Task-Model Learning: Automating the hierarchical structuring of tasks. Web Intelligence, 2016, 14, 31-41.	0.1	0
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84	Mannequin system for the self-training of nurses in the changing of clothes. Kybernetes, 2016, 45, 839-852.	1.2	4
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86	Teaching multiple robots by a human. , 2016, , .		0
87	Design of AVS/RS under group constraint. Advanced Robotics, 2016, 30, 1446-1457.	1.1	3
88	Working Environment Design for Effective Palletizing with a 6-DOF Manipulator. International Journal of Advanced Robotic Systems, 2016, 13, 68.	1.3	4
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90	Realization of heavy object transportation by mobile robots using handcarts and outrigger. ROBOMECH Journal, 2016, 3, .	0.9	17

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91	Hereditary sensory and autonomic neuropathy types 4 and 5: Review and proposal of a new rehabilitation method. Neuroscience Research, 2016, 104, 105-111.	1.0	24
92	Body representation in the brain. Neuroscience Research, 2016, 104, 1-3.	1.0	8
93	Kinematic Control With Singularity Avoidance for Teaching-Playback Robot Manipulator System. IEEE Transactions on Automation Science and Engineering, 2016, 13, 729-742.	3.4	37
94	Human upright posture control models based on multisensory inputs; in fast and slow dynamics. Neuroscience Research, 2016, 104, 96-104.	1.0	130
95	Design of Face Tracking System Using Environmental Cameras and Flying Robot for Evaluation of Health Care. Lecture Notes in Computer Science, 2016, , 264-273.	1.0	2
96	Generation of the Human Biped Stance by a Neural Controller Able to Compensate Neurological Time Delay. PLoS ONE, 2016, 11, e0163212.	1.1	25
97	Automated Design of Image Recognition Process for Picking System. International Journal of Automation Technology, 2016, 10, 737-752.	0.5	3
98	Evaluation of Taxiing at a Large Airport Considering Customer Satisfaction. , 2016, , 67-78.		0
99	Teaching Mobile Robots Using Custom-Made Tools by a Semi-Direct Method. Journal of Robotics and Mechatronics, 2016, 28, 242-254.	0.5	2
100	Generation of biped stance motion in consideration of neurological time delay through forward dynamics simulation. , 2015, , .		1
101	Foreground segmentation with efficient selection from ICP outliers in 3D scene. , 2015, , .		1
102	Modeling method in embodied-brain systems science. , 2015, , .		1
103	Exploratory activity search. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2015, 19, 15-25.	0.7	0
104	Notice of Removal Proposal of a neural controller able to compensate neurological time delay for stance postural control. , 2015, , .		0
105	Climate condition that mostly affects the change of tweet content. , 2015, , .		1
106	Design and evaluation of robot patient for nursing skill training in patient transfer. Advanced Robotics, 2015, 29, 1269-1285.	1.1	21
107	Robust multi-robot coordination in pick-and-place tasks based on part-dispatching rules. Robotics and Autonomous Systems, 2015, 64, 70-83.	3.0	26
108	A Novel Algorithm for Continuous Steel Casting Scheduling with Focus on Quality Property Constraint and Slab Width Maximization. International Journal of Automation Technology, 2015, 9, 235-247.	0.5	7

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109	New research trends in artifactology. Synthesiology, 2015, 7, 200-209.	0.2	1
110	Order scheduling of multiple stacker cranes on common rails in an automated storage/retrieval system. International Journal of Production Research, 2014, 52, 1171-1187.	4.9	30
111	Companion context dependent topic modeling. , 2014, , .		1
112	Automatic face tracking system using quadrotors: Control by goal position thresholding. , 2014, , .		1
113	Object Transportation by Two Mobile Robots with Hand Carts. International Scholarly Research Notices, 2014, 2014, 1-15.	0.9	5
114	Simultaneous design of image conversion parameters and classifier in object recognition for a picking task. , 2014, , .		0
115	Self-Help Training System for Nursing Students to Learn Patient Transfer Skills. IEEE Transactions on Learning Technologies, 2014, 7, 319-332.	2.2	20
116	Transportation of a large object by small mobile robots with handcarts and outrigger. , 2014, , .		1
117	Stance postural control of a musculoskeletal model able to compensate neurological time delay. , 2014, , .		5
118	Realization method for a rearrangement task by multiple mobile robots in consideration of map errors. ROBOMECH Journal, 2014, 1, .	0.9	1
119	Location based video navigation using task extracted from the web. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2014, 18, 43-54.	0.7	1
120	Estimation of user's activity from tweets through tri-layer clustering model. , 2014, , .		0
121	Real-time spacecraft actuator fault diagnosis with state-segmented particle filtering. Advanced Robotics, 2014, 28, 1265-1276.	1.1	2
122	Destination prediction considering both tweet contents and location transition hitstory. , 2014, , .		0
123	Activity-based topic discovery. Web Intelligence and Agent Systems, 2014, 12, 193-209.	0.4	3
124	Support for describing service delivery processes using collection of structure patterns of process. Transactions of the JSME (in Japanese), 2014, 80, DSM0336-DSM0336.	0.1	0
125	Automatic Evaluation of Trainee Nurses' Patient Transfer Skills Using Multiple Kinect Sensors. IEICE Transactions on Information and Systems, 2014, E97.D, 107-118.	0.4	13
126	Teaching multiple robots by a human — Teaching data generation. , 2014, , .		0

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127	Robot Patient for Nursing Self-training in Transferring Patient from Bed to Wheel Chair. Lecture Notes in Computer Science, 2014, , 361-368.	1.0	4
128	Robotics as a Tool in Fundamental Nursing Education. Lecture Notes in Computer Science, 2014, , 392-402.	1.0	4
129	New research trends in artifactology. Synthesiology, 2014, 7, 211-219.	0.2	2
130	Relationship between nursing students' preference for types of teaching materials and learning effects of self-learning tool. Studies in Health Technology and Informatics, 2014, 201, 39-47.	0.2	1
131	Teaching-playback robot manipulator system in consideration of singularities. , 2013, , .		1
132	Simulation-Based Simple and Robust Rule Generation for Motion Coordination of Multi-agent System. , 2013, , .		1
133	Stance control model in consideration of feed-forward control by reticulospinal tract. , 2013, , .		0
134	Integrated design of multi-robot system for pick-and-place tasks. , 2013, , .		3
135	A strategy for fast grasping of unknown objects using partial shape information from range sensors. Advanced Robotics, 2013, 27, 581-595.	1.1	7
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137	Tri-layer-cluster Generation Model for Activity Prediction. , 2013, , .		0
138	Fast grasping of unknown objects through automatic determination of the required number of mobile robots. Advanced Robotics, 2013, 27, 445-458.	1.1	9
139	Modeling and designing aircraft taxiing patterns for a large airport. Advanced Robotics, 2013, 27, 1059-1072.	1.1	8
140	Design of Warehouse Including Temporary Storage Using Queuing Network Theory. , 2013, , .		3
141	Task apportionment in a rearrangement problem of multiple mobile robots. Advanced Robotics, 2013, 27, 93-107.	1.1	1
142	Selection of manipulator system for multiple-goal task by evaluating task completion time and cost with computational time constraints. Advanced Robotics, 2013, 27, 233-245.	1.1	13
143	Duplication Analysis of Conversation and Its Application to Cognitive Training of Older Adults in Care Facilities. Journal of Medical Imaging and Health Informatics, 2013, 3, 615-621.	0.2	4
144	Feedback-Based Self-training System of Patient Transfer. Lecture Notes in Computer Science, 2013, , 197-203.	1.0	4

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146	2315 Architecture Construction of Tourist Attractions. The Proceedings of Design & Systems Conference, 2013, 2013.23, _2315-1_-_2315-4_.	0.0	0
147	Development of a Measurement and Evaluation System for Bed-Making Activity for Self-training. Lecture Notes in Computer Science, 2013, , 268-275.	1.0	0
148	The Relationship between Nursing Studentsâ€™ Attitudes towards Learning and Effects of Self-learning System Using Kinect. Lecture Notes in Computer Science, 2013, , 111-116.	1.0	4
149	Motion Planning for Two Robots of an Object Handling System Considering Fast Transition Between Stable States. Advanced Robotics, 2012, 26, 1291-1316.	1.1	4
150	Supporting system for self training of bed-making using image processing with color and distance information. , 2012, , .		1
151	The concept of mobiligence and its future. , 2012, , .		0
152	Part dispatching rule-based multi-robot coordination in pick-and-place task. , 2012, , .		5
153	Intuitive Topic Discovery by Incorporating Word-Pair's Connection Into LDA. , 2012, , .		6
154	Dynamic scheduling-based inpatient nursing support: applicability evaluation by laboratory experiments. International Journal of Autonomous and Adaptive Communications Systems, 2012, 5, 39.	0.2	3
155	Sweeping Task of Multiple Mobile Agents by Utilizing Behavior Selection Model with Interaction-Based Efficacy Dynamics. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 3028-3032.	0.2	3
156	Multi-Level and Multi-Objective Design Methodology of Taxiways for Large Airports. Journal of Mechanical Systems for Transportation and Logistics, 2012, 6, 1-14.	0.2	0
157	Experimental Analysis of Cooperative Behavior of Autonomous Mobile Robots against Congestion. Journal of Mechanical Systems for Transportation and Logistics, 2012, 5, 58-70.	0.2	0
158	Motion Planning of Two Stacker Cranes in a Large-Scale Automated Storage/Retrieval System. Journal of Mechanical Systems for Transportation and Logistics, 2012, 5, 71-85.	0.2	8
159	Cooperative rhythm production between three people through auditory signals. , 2012, , .		0
160	Posture study for self-training system of patient transfer. , 2012, , .		5
161	Analytic Flow Design Method for an Automated Distribution Center with Multiple Shipping Areas. Advanced Robotics, 2012, 26, 1229-1252.	1.1	5
162	Transportation of a large object by small mobile robots using hand carts. , 2012, , .		1

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164	Quantitative estimation of muscle fatigue on cyclic handgrip tasks. International Journal of Industrial Ergonomics, 2012, 42, 103-112.	1.5	17
165	A neuromodulation model of behavior selection in the fighting behavior of male crickets. Robotics and Autonomous Systems, 2012, 60, 707-713.	3.0	12
166	Model of a sensoryâ€“behavioral relation mechanism for aggressive behavior in crickets. Robotics and Autonomous Systems, 2012, 60, 700-706.	3.0	5
167	Genetically optimizing query expansion for retrieving activities from the web. , 2012, , .		4
168	Motion Planning Method for Two Stacker Cranes in an Automated Storage and Retrieval System. International Journal of Automation Technology, 2012, 6, 792-801.	0.5	7
169	Long-Term Goal Discovery in the Twitter Posts through the Word-Pair LDA Model. Lecture Notes in Computer Science, 2012, , 262-267.	1.0	0
170	Coordination of Multiple Mobile Robots based on Adaptive Cruise Control. Journal of the Robotics Society of Japan, 2012, 30, 788-796.	0.0	0
171	Multiple-goal task realization utilizing redundant degrees of freedom of task and tool attachment optimization. , 2011, , .		4
172	Practical Point-to-Point Multiple-Goal Task Realization in a Robot Arm with a Rotating Table. Advanced Robotics, 2011, 25, 717-738.	1.1	12
173	A measurement and evaluation method of a support system to teach how to improve transferring patients. , 2011, , .		6
174	Fast and automatic robotic grasping of unknown objects. , 2011, , .		3
175	Feature extraction from partial shape information for fast grasping of unknown objects. , 2011, , .		2
176	Territorial and Effective Task Decomposition for Rearrangement Planning of Multiple Objects by Multiple Mobile Robots. Advanced Robotics, 2011, 25, 47-74.	1.1	6
177	Analysis of congestion of taxiing aircraft at a large airport. , 2011, , .		4
178	Motion planning of two stacker cranes in a large-scale automated storage/retrieval system. , 2011, , .		2
179	Mixed-Load Transportation Scheduling of Multiple Agents in a Warehouse Environment. Advanced Robotics, 2011, 25, 1557-1576.	1.1	1
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181	User-centered profile representation for recommendations across multiple content domains. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2011, 15, 1-14.	0.7	9
182	Online rescheduling of multiple picking agents for warehouse management. Robotics and Computer-Integrated Manufacturing, 2011, 27, 62-71.	6.1	38
183	Exploration in a boundary environment with unknown obstacles using Reaction-Diffusion equation on a graph. , 2011, , .		0
184	Multi-robot manipulation and maintenance for fault-tolerant systems. , 2011, , .		1
185	Realization of a Multiple Object Rearrangement Task with Two Multi-Task Functional Robots. Advanced Robotics, 2011, 25, 1365-1383.	1.1	4
186	Manipulator system selection based on evaluation of task completion time and cost. , 2011, , .		1
187	Automatically Constructing Concept Hierarchies of Health-Related Human Goals. Lecture Notes in Computer Science, 2011, , 124-135.	1.0	2
188	Manipulator system selection based on evaluation of task completion time and cost. , 2011, , .		1
189	Multiscale Service Design Method and Its Application to Sustainable Service for Prevention and Recovery from Dementia. Lecture Notes in Computer Science, 2011, , 321-330.	1.0	2
190	Methodology for Solving Congestion Formed by Multiple Mobile Robots -Development of Intelligent Cruise Control Technique and Behavior Rule-. Journal of the Robotics Society of Japan, 2011, 29, 726-736.	0.0	0
191	A Compressed Annealing Approach with Pre-Process for the Asymmetric Traveling Salesman Problem with Time Windows. International Journal of Automation Technology, 2011, 5, 669-678.	0.5	0
192	Optimal maintenance strategy in fault-tolerant multi-robot systems. , 2011, , .		1
193	Managing execution variants in task coordination by exploiting design-time models at run-time. , 2011, , .		0
194	Optimal gait switching for legged locomotion. , 2011, , .		0
195	Autonomous cruise control of circulating multi-robot for congestion. , 2010, , .		6
196	Design of Redundant Degrees of Freedom in Task Realization of a Robot System with Positioning Errors of Objects. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2010, 4, 1234-1245.	0.3	3
197	Dynamic Role-assignment of Transfer Cranes in a Container Terminal. Journal of Mechanical Systems for Transportation and Logistics, 2010, 3, 457-468.	0.2	1
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200	Neural network estimation of LAL/VPC resions of silkmoth using Genetic Algorithm. , 2010, , .		3
201	Multirobot Coordination for Flexible Batch Manufacturing Systems Experiencing Bottlenecks. IEEE Transactions on Automation Science and Engineering, 2010, 7, 887-901.	3.4	21
202	Multiple Robot Rearrangement Planning Using a Territorial Approach and an Extended Project Scheduling Problem Solver. Advanced Robotics, 2010, 24, 103-122.	1.1	7
203	Automatic modeling of user's real world activities from the web for semantic IR. , 2010, , .		11
204	Integrated Design for Automated Guided Vehicle Systems Using Cooperative Co-evolution. Advanced Robotics, 2010, 24, 25-45.	1.1	10
205	Estimation of handgrip force using frequency-band technique during fatiguing muscle contraction. Journal of Electromyography and Kinesiology, 2010, 20, 888-895.	0.7	20
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207	Manipulation of an irregularly shaped object by two mobile robots. , 2010, , .		6
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