Naoyuki Kubota

List of Publications by Year
in descending order

272 papers	2,136 citations	516710 16 h-index	434195 31 g-index
276 all docs	276 docs citations	276 times ranked	1274 citing authors

#	Article	IF	Citations
1	BCI-based hit-loop agent for human and AI robot co-learning with AIoT application. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 3583-3607.	4.9	1
2	Combining Reflexes and External Sensory Information in a Neuromusculoskeletal Model to Control a Quadruped Robot. IEEE Transactions on Cybernetics, 2022, 52, 7981-7994.	9.5	10
3	Adaptive Fuzzy Neural Agent for Human and Machine Co-learning. International Journal of Fuzzy Systems, 2022, 24, 778-798.	4.0	2
4	Topological Tracking for Mobility Support Robots Based on Multi-scale Batch Learning Growing Neural Gas. EAI/Springer Innovations in Communication and Computing, 2022, , 17-31.	1.1	2
5	A Multi-Agent Approach for Personalized Hypertension Risk Prediction. IEEE Access, 2021, 9, 75090-75106.	4.2	6
6	An Expansion and Application of Human Coexistence Robot System Using Smart Devices. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2021, 25, 234-241.	0.9	2
7	AQuRo: A Cat-like Adaptive Quadruped Robot With Novel Bio-Inspired Capabilities. Frontiers in Robotics and AI, 2021, 8, 562524.	3.2	14
8	Lifelong Robot Edutainment based on Self-Efficacy. , 2021, , .		1
9	Behavior Estimation Based on Multiple Vibration Sensors for Elderly Monitoring Systems. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2021, 25, 489-497.	0.9	6
10	An Elderly Monitoring System Based on Multiple Ultra-Sensitive Vibration and Pneumatic Sensors. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2021, 25, 423-431.	0.9	2
11	Feature-based Egocentric Grasp Pose Classification for Expanding Human-Object Interactions. , 2021, , .		4
12	Development of Esteem Support based on Psychodrama and Design Thinking approach. , 2021, , .		0
13	Intelligent agent for real-world applications on robotic edutainment and humanized co-learning. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3121-3139.	4.9	17
14	Guest Editorial: Special Section on Latest Advances on Industrial Intelligent Video Systems and Analytics. IEEE Transactions on Industrial Informatics, 2020, 16, 475-476.	11.3	0
15	Design and Usage Support System of Robot Partners based on a User-centric Modular Structure. , 2020, , .		1
16	Robot Partner Development Platform for Human-Robot Interaction Based on a User-Centered Design Approach. Applied Sciences (Switzerland), 2020, 10, 7992.	2.5	7
17	Elderly Health Promotion using Multiple Ball-robots based on Evolutionary Robot. , 2020, , .		0
18	A Study on AI-FML Robotic Agent for Student Learning Behavior Ontology Construction. , 2020, , .		4

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19	Ecological-Inspired System Design for Safety Manipulation Strategy in Home-care Robot. , 2020, , .		3
20	A Muscle-Reflex Model of Forelimb and Hindlimb of Felidae Family of Animal with Dynamic Pattern Formation Stimuli. , 2020, , .		6
21	A Lightweight Neural-Net with Assistive Mobile Robot for Human Fall Detection System. , 2020, , .		1
22	Development of Smart Device Interlocked Robot Partners for Information Support and Smart Recommendation. , 2020, , .		0
23	Physical Contact Interaction based on Touch Sensory Information for Robot Partners. , 2020, , .		2
24	AI-FML Agent for Robotic Game of Go and AIoT Real-World Co-Learning Applications. , 2020, , .		5
25	Attention mechanism-based CNN for facial expression recognition. Neurocomputing, 2020, 411, 340-350.	5.9	178
26	A Discriminative Deep Model With Feature Fusion and Temporal Attention for Human Action Recognition. IEEE Access, 2020, 8, 43243-43255.	4.2	34
27	Human Intelligence Meets Smart Machine: A Special Event at the IEEE International Conference on Systems, Man, and Cybernetics 2018. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 23-31.	1.4	5
28	Chatbot for Peer Support Realization based on Mutual Care. , 2020, , .		5
29	Interactive Information Support by Robot Partners Based on Informationally Structured Space. Journal of Robotics and Mechatronics, 2020, 32, 236-243.	1.0	12
30	A Modular Structured Architecture Using Smart Devices for Socially-Embedded Robot Partners. Advances in Computational Intelligence and Robotics Book Series, 2020, , 288-309.	0.4	4
31	AI-FML Agent with Patch Learning Mechanism for Robotic Game of Go Application. , 2020, , .		2
32	Body-Sharing Multi-Robot System in Robot Theater towards Social Implementation. , 2020, , .		2
33	A Neural Primitive model with Sensorimotor Coordination for Dynamic Quadruped Locomotion with Malfunction Compensation. , 2020, , .		6
34	Evolving a Sensory–Motor Interconnection Structure for Adaptive Biped Robot Locomotion. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 244-256.	3.8	9
35	Method on Human Activity Recognition Based on Convolutional Neural Network. Lecture Notes in Computer Science, 2019, , 63-71.	1.3	2
36	3-D Vision for Robot Perception. International Journal of Advanced Robotic Systems, 2019, 16, 172988141985549.	2.1	1

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37	A GFML-based Robot Agent for Human and Machine Cooperative Learning on Game of Go. , 2019, , .		3
38	Layered neural-based locomotion for biped robot movement with carrying dynamic payload. Procedia Computer Science, 2019, 159, 418-427.	2.0	2
39	Action Acquisition Method for Constructing Cognitive Development System Through Instructed Learning. , 2019, , .		3
40	Bio-Signal Analysis for Human Machine Interaction. International Journal of Humanoid Robotics, 2019, 16, 1902002.	1.1	1
41	WAREC-1 â€" A Four-Limbed Robot with Advanced Locomotion and Manipulation Capabilities. Springer Tracts in Advanced Robotics, 2019, , 327-397.	0.4	4
42	Topological Clustering via Adaptive Resonance Theory With Information Theoretic Learning. IEEE Access, 2019, 7, 76920-76936.	4.2	17
43	Dynamic Density Topological Structure Generation for Real-Time Ladder Affordance Detection. , 2019, , .		11
44	Effects of the Audience Robot on Robot Interactive Theater Considering the State of Audiences. , 2019, , .		4
45	Topology Acquisition in Unknown Environment and Learn the Route to Destination Point by Autonomous Mobile Robots. Transactions of the Institute of Systems Control and Information Engineers, 2019, 32, 256-264.	0.1	0
46	A Human-Friendly Communication Robot for Public Service Based on iBeacon Technology. , 2019, , .		0
47	Behavior Acquisition on a Mobile Robot Using Reinforcement Learning With Continuous State Space. , 2019, , .		0
48	A Novel Capabilities of Quadruped Robot Moving through Vertical Ladder without Handrail Support. , 2019, , .		11
49	FML-based Intelligent Agent for Robotic e-Learning and Entertainment Application. , 2019, , .		1
50	A Fuzzy Spiking Neural Network with State Transition Diagram for Behavior Estimation in Elderly Health Care System. , 2019, , .		0
51	Spatial Map Learning with Self-Organizing Adaptive Recurrent Incremental Network. , 2019, , .		3
52	Intelligent control of illuminance measurement robot based on multi-sensor fusion. , 2019, , .		0
53	Real-time Grasp Affordance Detection of Unknown Object for Robot-Human Interaction. , 2019, , .		9
54	Self-Adapting Chatbot Personalities for Better Peer Support. , 2019, , .		13

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55	Episodic Memory Multimodal Learning for Robot Sensorimotor Map Building and Navigation. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 210-220.	3.8	11
56	Elderly Health Care System Based on High Precision Vibration Sensor. , 2019, , .		3
57	Human Posture Recognition for Estimation of Human Body Condition. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2019, 23, 519-527.	0.9	6
58	Navigate to Remember: A Declarative Memory Model for Incremental Semantic Mapping. Lecture Notes in Computer Science, 2019, , 142-153.	1.3	0
59	Human-Robot Interaction Design Using Smart Device Based Robot Partner. , 2019, , 119-140.		0
60	Automatic Fiber Detection and Focus System from Image Frames. Lecture Notes in Computer Science, 2019, , 101-108.	1.3	0
61	A study of whiplash injury occurrence mechanisms using human head-neck finite element model (Analysis of factors on the gender difference). Transactions of the JSME (in Japanese), 2019, 85, 19-00059-19-00059.	0.2	1
62	Lifelog Generation Based on Informationally Structured Space. Lecture Notes in Computer Science, 2019, , 109-116.	1.3	0
63	Global path and action planning for mobile robot using a spatiotemporal graph in environments with predictable moving obstacles. Transactions of the JSME (in Japanese), 2019, 85, 18-00254-18-00254.	0.2	1
64	ImPACT-TRC Legged Robot Improvement and User Interface. Journal of the Robotics Society of Japan, 2019, 37, 818-823.	0.1	1
65	Nonverbal Communication Based on Instructed Learning for Socially Embedded Robot Partners. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2019, 23, 584-591.	0.9	2
66	A Fuzzy Inference-Based Spiking Neural Network for Behavior Estimation in Elderly Health Care System. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2019, 23, 528-535.	0.9	3
67	Research and Development Towards Social Implementation of Communication Robots. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2019, 31, 147-153.	0.0	0
68	Human-Centric Automation and Optimization for Smart Homes. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1759-1771.	5.2	6
69	Human and Smart Machine Co-Learning: Brain-Computer Interaction at the 2017 IEEE International Conference on Systems, Man, and Cybernetics. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 6-13.	1.4	3
70	Quantum-Inspired Multidirectional Associative Memory With a Self-Convergent Iterative Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1058-1068.	11.3	9
71	Neuro-Activity-Based Dynamic Path Planner for 3-D Rough Terrain. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 138-150.	3.8	12
72	The Return Way Path Planning of an Autonomous Mobile Robot considering Traveling Risk of the Road. , 2018, , .		2

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73	A Fuzzy Spiking Neural Network for Behavior Estimation by Multiple Environmental Sensors. , 2018, , .		4
74	Cognitive Environment System by Joint Attention Behaviors and Relevance Theory for Robot Partners. , 2018, , .		0
75	An Incremental Episodic Memory Framework for Topological Map Building. , 2018, , .		3
76	A Multi-channel Episodic Memory Model for Human Action Learning and Recognition. , 2018, , .		2
77	A Robot Assisted Stress Management Framework: Using Conversation to Measure Occupational Stress. , 2018, , .		11
78	Fuzzy Semantic Agent Based on Ontology Model for Chinese Lyrics Classification. , 2018, , .		0
79	Optimization Model of Fast and Untrapped Neural Based Inverse Kinematic: Implementation on Multiple-Links Planar Robot. , 2018, , .		0
80	Topological Structure Learning Based Enclosing Formation Behavior for Monitoring System. , 2018, , .		4
81	Intelligent Technology for Socially Embedded Robot Partners. , 2018, , .		1
82	Ontology-based Fuzzy Markup Language Agent for Student and Robot Co-Learning. , 2018, , .		4
83	Control a Mobile Robot for Guide a Person Cosidering Each Specific induction Distance. , 2018, , .		0
84	Reinforcement Learning Based on State Space Model using Growing Neural Gas for a Mobile Robot. , 2018, , .		2
85	An iBeacon Indoor Positioning System Based on Multi-Sensor Fusion. , 2018, , .		3
86	Synthesis of Neural Oscillator based Dynamic Rhythmic Generation in Quadruped Robot Locomotion. , 2018, , .		4
87	Rehabilitation Support System for Attentional Deficits Based on Trail-Making Test. , 2018, , .		2
88	Ontology-based Adaptive e-Textbook Platform for Student and Machine Co-Learning. , 2018, , .		0
89	Evolving a Sensory-Motor Interconnection for Dynamic Quadruped Robot Locomotion Behavior. , 2018, , .		3
90	Improved leaderless consensus criteria of networked multi-agent systems based on the sampled data. International Journal of Systems Science, 2018, 49, 2737-2752.	5.5	9

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91	An Episodic Memory Model with Slow Features Extraction for Topological Map Building. , 2018, , .		0
92	Advanced Intelligent Systems for Humanoid Robotics. International Journal of Humanoid Robotics, 2018, 15, 1802002.	1.1	1
93	Cooperative Human-Robot Interaction Based on Pointing Gesture in Informationally Structured Space. , 2018, , .		2
94	Integrated Robotic Control System for Public Nursing. , 2018, , .		2
95	A Socially Interactive Robot Partner Using Content-Based Conversation System for Information Support. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2018, 22, 989-997.	0.9	11
96	Guest Editorial Special Issue on Human-Like Intelligence and Robotics. IEEE Systems Journal, 2017, 11, 1269-1271.	4.6	0
97	Arm motion analysis using genetic algorithm for rehabilitation and healthcare. Applied Soft Computing Journal, 2017, 52, 81-92.	7.2	9
98	FML-based Dynamic Assessment Agent for Human-Machine Cooperative System on Game of Go. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 677-705.	1.9	10
99	A neuro-based network for on-line topological map building and dynamic path planning. , 2017, , .		4
100	System Integration for Cognitive Model of a Robot Partner. Intelligent Automation and Soft Computing, 2017, , 1-14.	2.1	11
101	A modular cognitive model of socially embedded robot partners for information support. ROBOMECH Journal, 2017, 4, .	1.6	11
102	FML-based linguistic classification agent for social media application. , 2017, , .		2
103	Weather forecast support system implemented into robot partner for supporting elderly people using fuzzy logic. , 2017, , .		5
104	Centered learning model in omni-directional controller of neural oscillator based biped locomotion. , 2017, , .		5
105	Synchronization control in multiplex networks of nonlinear multi-agent systems. Chaos, 2017, 27, 123104.	2.5	18
106	Optimal placement for indoor positioning and monitoring system in public area. , 2017, , .		1
107	FML-based prediction agent and its application to game of Go. , 2017, , .		2
108	A writing pressure analysis method for evaluation of trail making test using smart device. , 2017, , .		0

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109	FML-based robotic summarization agent and its application. , 2017, , .		0
110	Interaction content design for information support based on robot partner. , 2017, , .		8
111	Human-robot interaction based on cognitive bias to increase motivation for daily exercise. , 2017, , .		7
112	Fuzzy echo state network for heartbeat detection using ultrasensitive vibration sensor. , 2017, , .		2
113	Unsupervised neural network based topological learning from point clouds for map building. , 2017, , .		8
114	Pointing gesture detection for human-robot communication in informationally structured space. , 2017, , .		2
115	Path planning of the autonomous mobile robot by using real-time rolling risk estimation with fuzzy inference. , 2017, , .		4
116	Motion analysis for unilateral spatial neglect in computational system rehabilitation. , 2017, , .		3
117	Introduction to the focused section on sensing and perception for autonomous and networked robotics. International Journal of Intelligent Robotics and Applications, 2017, 1, 369-371.	2.8	1
118	From Human-Centric Systems to Community-Centric Systems. International Journal of Artificial Life Research, 2017, 7, 1-23.	0.1	6
119	Evolutionary People Tracking for Robot Partner of Information Service in Public Areas. Lecture Notes in Computer Science, 2017, , 703-714.	1.3	6
120	Intelligential Control of Variable Sokuiki Sensor Array for Environmental Sensing. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1P1-Q06.	0.0	1
121	Emotional Empathy Model For Robot Partners Using Recurrent Spiking Neural Network Model With Hebbian-Lms Learning. Malaysian Journal of Computer Science, 2017, 30, 258-285.	0.8	11
122	Communities and Systems. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2017, 29, 120-127.	0.0	0
123	A non-contacted ultrasound system for inner muscle evaluation in rehabilitation support system. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 495-501.	0.6	0
124	Weighted Constraint Satisfaction for Smart Home Automation and Optimization. Advances in Artificial Intelligence, 2016, 2016, 1-15.	0.9	2
125	An Odometry-Free Approach for Simultaneous Localization and Online Hybrid Map Building. Frontiers in Robotics and AI, 2016, 3, .	3.2	1
126	Informationally structured space for multimodal monitoring in smart houses. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 511-516.	0.6	1

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127	Stereo surveillance system for fall detection. , 2016, , .		0
128	A wave detection method for air-coupled ultrasound system on human abdominal region. , 2016, , .		0
129	Neuro-based controller for push recovery behavior under external perturbations in biped robot. , 2016, , .		0
130	Bacterial memetic algorithm based feature selection for surface EMG based hand motion recognition in long-term use. , 2016, , .		15
131	Motion generation of multi-legged robot by using knowledge transfer in rough terrain. , 2016, , .		4
132	Smart Device Interlocked Robot Partners for Information Support Systems in Sightseeing Guide. , 2016, , .		7
133	BÃ©zier curve model for efficient bio-inspired locomotion of low cost four legged robot. , 2016, , .		11
134	Health Promotion Using Smart Device Interlocked Robot Partners for Elderly People. , 2016, , .		7
135	Imitative motion generation for smart device interlocked robot partner based on neuro-genetic approach. , 2016, , .		1
136	Human-friendly Communication for Smart Device Interlocked Robot Partners. IFAC-PapersOnLine, 2016, 49, 132-137.	0.9	1
137	Evolution strategy for anomaly detection in daily life monitoring of elderly people. , 2016, , .		7
138	Remote multi-robot cooperation for human-robot communication in community-centric systems. , 2016, , .		1
139	Enhanced robot learning using fuzzy Q-Learning & context-aware middleware. , 2016, , .		1
140	Walking speed control in human behavior inspired gait generation system for biped robot. , 2016, , .		2
141	Multimodal Recurrent Neural Network (MRNN) Based Self Balancing System: Applied into Two-Wheeled Robot. Lecture Notes in Computer Science, 2016, , 596-608.	1.3	2
142	Configurable sensor node for sensor networks. , 2016, , .		0
143	Evolutionary ensemble learning of fuzzy randomized neural network for posture recognition. , 2016, , .		0
144	Fatigue level estimation system based on sole pressure analysis. , 2016, , .		2

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145	Real-time 3D point cloud segmentation using Growing Neural Gas with Utility. , 2016, , .		18
146	Social rhythm management support system based on Informationally Structured Space. , 2016, , .		3
147	Optimization of a Proportional-Summation-Difference Controller for a Line-Tracing Robot Using Bacterial Memetic Algorithm. Lecture Notes in Computer Science, 2016, , 362-372.	1.3	3
148	Human-centric point of view for a robot partner: A cooperative project between France and Japan. , 2016, , .		6
149	Community-centric Approach for Social Robots. Journal of the Robotics Society of Japan, 2016, 34, 292-298.	0.1	2
150	Robot Partner Technology Based on Information Support System for Elderly People and Their Family. , 2016, , .		1
151	Service robot planning via solving constraint satisfaction problem. ROBOMECH Journal, 2016, 3, .	1.6	4
152	Energy-Efficient Activity Recognition on Smartphone. , 2016, , .		4
153	Hybrid evolutionary neuro-fuzzy approach based on mutual adaptation for human gesture recognition. Applied Soft Computing Journal, 2016, 42, 377-389.	7.2	13
154	Joint probabilistic approach for real-time face recognition with transfer learning. Robotics and Autonomous Systems, 2016, 75, 409-421.	5.1	5
155	Biologically Inspired Control System for 3-D Locomotion of a Humanoid Biped Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 898-911.	9.3	49
156	Classifying Stress From Heart Rate Variability Using Salivary Biomarkers as Reference. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2035-2046.	11.3	24
157	Multi-channel Bayesian Adaptive Resonance Associate Memory for on-line topological map building. Applied Soft Computing Journal, 2016, 38, 269-280.	7.2	13
158	Rehabilitation Support System Using Multimodal Interface Device for Aphasia Patients. Lecture Notes in Computer Science, 2016, , 395-404.	1.3	3
159	Evolution Strategy Sampling Consensus for Robust Estimator. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 788-802.	0.9	2
160	Human-Robot Interaction Design Using Smart Device Based Robot Partner. International Journal of Artificial Life Research, 2016, 6, 23-43.	0.1	4
161	Location Monitoring Support Application in Smart Phones for Elderly People, Using Suitable Interface Design. Lecture Notes in Computer Science, 2016, , 3-14.	1.3	6
162	Smart Device Interlocked Robot Partner for Elderly Care. Lecture Notes in Computer Science, 2016, , 36-47.	1.3	2

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163	Intensity Histogram Based Segmentation of 3D Point Cloud Using Growing Neural Gas. Lecture Notes in Computer Science, 2016, , 335-345.	1.3	2
164	Practical Robot Edutainment Activities Program for Junior High School Students. Lecture Notes in Computer Science, 2016, , 111-121.	1.3	0
165	Joint Angle Estimation of Upper Limb based on Evolutionary Multi-criterion Optimization using 3D Image Sensor. Transactions of the Institute of Systems Control and Information Engineers, 2016, 29, 114-121.	0.1	0
166	Mutual adaptation in neuro fuzzy system for human posture recognition. , 2015, , .		2
167	Fall down detection for surveillance system of health care. , 2015, , .		1
168	Content-based conversation for robot partners based on life hub. , 2015, , .		6
169	Multi-objective evolutionary algorithm for neural oscillator based robot locomotion. , 2015, , .		12
170	Evolving spiking neural network for robot locomotion generation. , 2015, , .		3
171	Human behavior modeling for multimodal interaction with robot partner. , 2015, , .		0
172	A Health Promotion Support System for Increasing Motivation Using a Robot Partner. Transactions of the Institute of Systems Control and Information Engineers, 2015, 28, 161-171.	0.1	13
173	Aphasia Rehabilitation Support System by Using Multimodal Interface Device. , 2015, , .		1
174	Genetic Bayesian ARAM for Simultaneous Localization and Hybrid Map Building. , 2015, , .		0
175	Wearable sensor-based monitoring system for human behavior estimation. , 2015, , .		2
176	Robot posture generation based on genetic algorithm for imitation. , 2015, , .		6
177	Lifelog visualization for elderly health care in Informationally Structured Space. , 2015, , .		2
178	Self-efficacy estimation for health promotion support with robot partner. , 2015, , .		3
179	Development of simulator for pressure controlled cooling pumps. , 2015, , .		0
180	Robot communication based on relational trust model. , 2015, , .		8

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181	Multi-channel Bayesian adaptive resonance associative memory for environment learning and topological map building. , 2015, , .		2
182	Imitation learning for daily exercise support with robot partner. , 2015, , .		16
183	Verbal conversation system for a socially embedded robot partner using emotional model. , 2015, , .		22
184	Multicolor and multiple QR Code based information support system during disaster for elderly people. , 2015, , .		2
185	Informationally Structured Space for Life Log Monitoring in Elderly Care. , 2015, , .		5
186	Behavior Pattern Extraction Based on Growing Neural Networks for Informationally Structured Space. , 2015, , .		2
187	Interconnection Structure Optimization for Neural Oscillator Based Biped Robot Locomotion. , 2015, , .		6
188	Fuzzy Spiking Neural Network for Abnormality Detection in Cognitive Robot Life Supporting System. , 2015, , .		3
189	A novel multimodal communication framework using robot partner for aging population. Expert Systems With Applications, 2015, 42, 4540-4555.	7.6	54
190	Adaptive motion pattern generation on balancing of humanoid robot movement. , 2015, , .		11
191	Efficiency energy on humanoid robot walking using evolutionary algorithm. , 2015, , .		10
192	Simultaneous Localization and Mapping Based on (Î¼+1)-Evolution Strategy for Mobile Robots. Lecture Notes in Computer Science, 2015, , , 62-69.	1.3	0
193	Interaction, Communication, and Experience Design in Robot Edutainment. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 159-160.	0.0	1
194	Structured Learning for Extraction of Daily Life Log Measured by Smart Phone Sensors. Smart Innovation, Systems and Technologies, 2015, , 277-293.	0.6	1
195	Joint angle estimation system for rehabilitation evaluation support. , 2014, , .		10
196	Robot-human interaction to encourage voluntary action. , 2014, , .		2
197	Spiking neural network based emotional model for robot partner. , 2014, , .		5
198	Quantum-Inspired Bidirectional Associative Memory for Human–Robot Communication. International Journal of Humanoid Robotics, 2014, 11, 1450006.	1.1	0

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199	Computational system rehabilitation for patients with aphasia. , 2014, , .		2
200	Stress-inspired dynamic optimisation on working memory for cognitive robot social support systems. , 2014, , .		2
201	A route planning for disaster waste disposal based on robot technology. , 2014, , .		6
202	Visualization for motion analysis in computational system rehabilitation. , 2014, , .		1
203	Conversation system for natural communication with robot partner. , 2014, , .		18
204	Word-of-mouth recommender system using preference extraction based on IEC. , 2014, , .		1
205	Behavior analysis of Evolution Strategy Sample Consensus. , 2014, , .		1
206	Gestural and facial communication with smart phone based robot partner using emotional model. , 2014, , .		12
207	Facial and gestural expression generation for robot partners. , 2014, , .		18
208	Exercise support system with robot partner based on feeling of self-efficacy. , 2014, , .		3
209	Combining pose control and angular velocity control for motion balance of humanoid robot soccer EROS. , 2014, , .		15
210	Average Edit Distance Bacterial Mutation Algorithm for effective optimisation. , 2014, , .		3
211	Behavior pattern learning for robot partner based on growing neural networks in informationally structured space. , 2014, , .		0
212	Structured learning in fuzzy spiking neural networks for human state estimation. , 2014, , .		0
213	Reinforcement Learning in non-stationary environments: An intrinsically motivated stress based memory retrieval performance (SBMRP) model. , 2014, , .		3
214	Robust face recognition via transfer learning for robot partner. , 2014, , .		2
215	Growing neural gas based conversation selection model for robot partner and human communication system. , 2014, , .		1
216	Special Issue on Computational Intelligence for Community-Centric Systems [Guest Editorial]. IEEE Computational Intelligence Magazine, 2014, 9, 15-17.	3.2	4

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217	Dynamic Programming for Guided Gene Transfer in Bacterial Memetic Algorithm. Lecture Notes in Computer Science, 2014, , 596-603.	1.3	4
218	Intelligent Video Systems and Analytics: A Survey. IEEE Transactions on Industrial Informatics, 2013, 9, 1222-1233.	11.3	174
219	Self-Localization Based on Multiresolution Map for Remote Control of Multiple Mobile Robots. IEEE Transactions on Industrial Informatics, 2013, 9, 1772-1781.	11.3	40
220	Extraction of Daily Life Log Measured by Smart Phone Sensors Using Neural Computing. Procedia Computer Science, 2013, 22, 883-892.	2.0	12
221	Life Log Visualization System Based on Informationally Structured Space for Supporting Elderly People. , 2013, , .		6
222	Emotional models for multi-modal communication of robot partners. , 2013, , .		9
223	Cooperative Formation of Multi-robot Based on Spring Model. , 2013, , .		0
224	Cyclic motion generation for intelligent robot by evolutionary computation. , 2013, , .		2
225	Feature extraction based on hierarchical growing neural gas for informationally structured space. , 2013, , .		1
226	An interactive support system for activating shopping streets using robot partners in informationally structured space. , 2013, , .		10
227	Estimation of human transport modes by fuzzy spiking neural network and evolution strategy in informationally structured space. , 2013, , .		10
228	Human-friendly communication for robot partners using social networking service. , 2013, , .		1
229	Self-efficacy using fuzzy control for long-term communication in robot-assisted language learning. , 2013, , .		4
230	Conversation System Based on Computational Intelligence for Robot Partner Using Smart Phone. , 2013, , .		17
231	Communication based on Frankl's psychology for humanoid robot partners using emotional model. , 2013, , .		1
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