# Kei Okada

List of Publications by Year
in descending order

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|---|---|---|---|
| 158<br>papers | 1,621<br>citations | 933447<br>10<br>h-index | 677142<br>22<br>g-index |
| 160<br>all docs | 160<br>docs citations | 160<br>times ranked | 999<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Adaptive Body Schema Learning System Considering Additional Muscles for Musculoskeletal Humanoids. IEEE Robotics and Automation Letters, 2022, 7, 3459-3466. | 5.1 | 6 |
| 2 | Forceful Valve Manipulation With Arbitrary Direction by Articulated Aerial Robot Equipped With Thrust Vectoring Apparatus. IEEE Robotics and Automation Letters, 2022, 7, 4893-4900. | 5.1 | 7 |
| 3 | Robust continuous motion strategy against muscle rupture using online learning of redundant intersensory networks for musculoskeletal humanoids. Robotics and Autonomous Systems, 2022, 152, 104067. | 5.1 | 9 |
| 4 | Demonstration Experiment of Automobile Driving by Tendon-driven Humanoids and Prosthesis Development toward Social Implementation of Robot Technology. Journal of the Robotics Society of Japan, 2022, 40, 240-250. | 0.1 | 1 |
| 5 | Waterproof Soft Robot Hand with Variable Stiffness Wire-driven Finger Mechanism Using Low Melting Point Alloy for Contact Pressure Distribution and Concentration. , 2022, , . | | 1 |
| 6 | Self-Supervised Learning of Visual Servoing for Low-Rigidity Robots Considering Temporal Body Changes. IEEE Robotics and Automation Letters, 2022, 7, 7881-7887. | 5.1 | 4 |
| 7 | Construction of a Basic System for Research on Housework Assistance Robots through the Realization of Bento-serving Behavior as a Task That Requires Dialogue and Tool Use. Transactions of the Society of Instrument and Control Engineers, 2022, 58, 290-303. | 0.2 | 0 |
| 8 | Human-mimetic binaural ear design and sound source direction estimation for task realization of musculoskeletal humanoids. ROBOMECH Journal, 2022, 9, . | 1.6 | 1 |
| 9 | Design and Development for Humanoid-Vehicle Transformer Platform with Plastic Resin Structure and Distributed Redundant Sensors. , 2022, , . | | 3 |
| 10 | Development of prosthesis prototype through industry-government-academia collaboration of automobile driving by tendon-driven humanoids. , 2022, , . | | 0 |
| 11 | Grasp Pose Selection Under Region Constraints for Dirty Dish Grasps Based on Inference of Grasp Success Probability through Self-Supervised Learning. , 2022, , . | | 1 |
| 12 | Aerial Manipulation Using Contact with the Environment by Thrust Vectorable Multilinked Aerial Robot. , 2022, , . | | 2 |
| 13 | Online generation and control of quasi-static multi-contact motion by PWT Jacobian matrix with contact wrench estimation and joint load reduction*. Advanced Robotics, 2021, 35, 48-63. | 1.8 | 4 |
| 14 | Enhanced Modeling and Control for Multilinked Aerial Robot With Two DoF Force Vectoring Apparatus. IEEE Robotics and Automation Letters, 2021, 6, 135-142. | 5.1 | 10 |
| 15 | Stability Recognition with Active Vibration for Bracing Behaviors and Motion Extensions Using Environment in Musculoskeletal Humanoids. , 2021, , . | | 0 |
| 16 | Automatic Grouping of Redundant Sensors and Actuators Using Functional and Spatial Connections: Application to Muscle Grouping for Musculoskeletal Humanoids. IEEE Robotics and Automation Letters, 2021, 6, 1981-1988. | 5.1 | 1 |
| 17 | Adaptive Robotic Tool-Tip Control Learning Considering Online Changes in Grasping State. IEEE Robotics and Automation Letters, 2021, 6, 5992-5999. | 5.1 | 6 |
| 18 | A Basic Study for Acceptance of Robots as Meal Partners: Number of Robots During Mealtime, Frequency of Solitary Eating, and Past Experience with Robots. , 2021, , . | | 0 |

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|---|---------|-----|-----------|
| 19 | Extended balance stabilization control for humanoid robot on rotational slope based on seesaw-inverted-pendulum model. Advanced Robotics, 2021, 35, 1116-1130. | 1.8 | 1 |
| 20 | Miniature Tangible Cube: Concept and Design of Target-Object-Oriented User Interface for Dual-Arm Telemanipulation. IEEE Robotics and Automation Letters, 2021, 6, 6977-6984. | 5.1 | 3 |
| 21 | Biomimetic Operational Space Control for Musculoskeletal Humanoid Optimizing Across Muscle Activation and Joint Nullspace. , 2021, , . |  | 3 |
| 22 | Fixed-root Aerial Manipulator: Design, Modeling, and Control of Multilink Aerial Arm to Adhere Foot Module to Ceilings using Rotor Thrust. , 2021, , . |  | 1 |
| 23 | Motion Modification Method of Musculoskeletal Humanoids by Human Teaching Using Muscle-Based Compensation Control. , 2021, , . |  | 0 |
| 24 | Development of Musculoskeletal Legs with Planar Interskeletal Structures to Realize Human Comparable Moving Function. , 2021, , . |  | 2 |
| 25 | Development of Amphibious Humanoid for Behavior Acquisition on Land and Underwater. , 2021, , . |  | 3 |
| 26 | Online Learning of Danger Avoidance for Complex Structures of Musculoskeletal Humanoids and Its Applications. , 2021, , . |  | 2 |
| 27 | Imitation Learning With Additional Constraints on Motion Style Using Parametric Bias. IEEE Robotics and Automation Letters, 2021, 6, 5897-5904. | 5.1 | 5 |
| 28 | Design Optimization of Musculoskeletal Humanoids with Maximization of Redundancy to Compensate for Muscle Rupture. , 2021, , . |  | 5 |
| 29 | Environmentally Adaptive Control Including Variance Minimization Using Stochastic Predictive Network with Parametric Bias: Application to Mobile Robots. , 2021, , . |  | 3 |
| 30 | Model Reference Adaptive Control of Multirotor for Missions with Dynamic Change of Payloads During Flight. , 2020, , . |  | 5 |
| 31 | Toward Autonomous Driving by Musculoskeletal Humanoids: A Study of Developed Hardware and Learning-Based Software. IEEE Robotics and Automation Magazine, 2020, 27, 84-96. | 2.0 | 3 |
| 32 | Online Acquisition of Close-Range Proximity Sensor Models for Precise Object Grasping and Verification. IEEE Robotics and Automation Letters, 2020, 5, 5993-6000. | 5.1 | 6 |
| 33 | Aerial Regrasping: Pivoting with Transformable Multilink Aerial Robot. , 2020, , . |  | 14 |
| 34 | Bilateral Humanoid Teleoperation System Using Whole-Body Exoskeleton Cockpit TABLIS. IEEE Robotics and Automation Letters, 2020, 5, 6419-6426. | 5.1 | 21 |
| 35 | Development and Evaluation of Mixed Reality Co-eating System: Sharing the Behavior of Eating Food with a Robot Could Improve Our Dining Experience. , 2020, , . |  | 9 |
| 36 | Few-experiential learning system of robotic picking task with selective dual-arm grasping. Advanced Robotics, 2020, 34, 1171-1189. | 1.8 | 3 |

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|---|---------|----|-----------|
| 37 | Design Method for Weight Saving Based on Joint Drive Force and Frame Stiffness and Realization of Jump Motions by a Lightweight and High-Power Humanoid JAXON3-P. Journal of the Robotics Society of Japan, 2020, 38, 975-984. | 0.1 | 0 |
| 38 | Human Mimetic Forearm and Hand Design with a Radioulnar Joint and Flexible Machined Spring Finger for Human Skillful Motions. Journal of Robotics and Mechatronics, 2020, 32, 445-458. | 1.0 | 1 |
| 39 | Path Planning Based on Differential Kinematics for Passing Through Small Opening by Transformable Multilinked Aerial Robot. Springer Proceedings in Advanced Robotics, 2020, , 536-548. | 1.3 | 0 |
| 40 | Diabolo Orientation Stabilization by Learning Predictive Model for Unstable Unknown-Dynamics Juggling Manipulation. , 2020, , . | | 5 |
| 41 | Exceeding the Maximum Speed Limit of the Joint Angle for the Redundant Tendon-driven Structures of Musculoskeletal Humanoids. , 2020, , . | | 3 |
| 42 | Applications of Stretch Reflex for the Upper Limb of Musculoskeletal Humanoids: Protective Behavior, Postural Stability, and Active Induction. , 2020, , . | | 0 |
| 43 | Biomimetic Control Scheme for Musculoskeletal Humanoids Based on Motor Directional Tuning in the Brain. , 2020, , . | | 0 |
| 44 | Basic Implementation of FPGA-GPU Dual SoC Hybrid Architecture for Low-Latency Multi-DOF Robot Motion Control. , 2020, , . | | 2 |
| 45 | Drive-Train Design in JAXON3-P and Realization of Jump Motions: Impact Mitigation and Force Control Performance for Dynamic Motions. , 2020, , . | | 4 |
| 46 | External Wrench Estimation for Multilink Aerial Robot by Center of Mass Estimator Based on Distributed IMU System. , 2019, , . | | 12 |
| 47 | Multi-rigid-body dynamics and online model predictive control for transformable multi-links aerial robot. Advanced Robotics, 2019, 33, 971-984. | 1.8 | 11 |
| 48 | Musculoskeletal design, control, and application of human mimetic humanoid Kenshiro. Bioinspiration and Biomimetics, 2019, 14, 036011. | 2.9 | 8 |
| 49 | Ankle-hip-stepping stabilizer on tendon-driven humanoid Kengoro by integration of muscle-joint-work space controllers for knee-stretched humanoid balance. , 2019, , . | | 3 |
| 50 | Task-specific Self-body Controller Acquisition by Musculoskeletal Humanoids: Application to Pedal Control in Autonomous Driving. , 2019, , . | | 7 |
| 51 | Component Modularized Design of Musculoskeletal Humanoid Platform Musashi to Investigate Learning Control Systems. , 2019, , . | | 40 |
| 52 | Modification of muscle antagonistic relations and hand trajectory on the dynamic motion of Musculoskeletal Humanoid. , 2019, , . | | 3 |
| 53 | Continuous Modeling of Affordances in a Symbolic Knowledge Base. , 2019, , . | | 6 |
| 54 | Humanoid Robotâ€™s Force-Based Heavy Manipulation Tasks with Torque-Controlled Arms and Wrist Force Sensors. , 2019, , . | | 1 |

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| 55 | Achievement of Online Agile Manipulation Task for Aerial Transformable Multilink Robot. , 2019, , . | | 3 |
| 56 | Reflex-Based Motion Strategy of Musculoskeletal Humanoids under Environmental Contact Using Muscle Relaxation Control. , 2019, , . | | 6 |
| 57 | Robot Motion Generation by Time-series Inverse Kinematics Optimization Considering Time-variance/Time-invariance and Adjacency of Configuration. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 664-673. | 0.2 | 1 |
| 58 | Development of Waterproof Suit for Life-sized Humanoid and Walking Control in Water using Online Buoyancy Estimation and Footstep Modification. Journal of the Robotics Society of Japan, 2019, 37, 427-437. | 0.1 | 0 |
| 59 | Design of Soft Flexible Wire-driven Finger Mechanism for Contact Pressure Distribution. , 2019, , . | | 4 |
| 60 | The Exchange of Knowledge Using Cloud Robotics. IEEE Robotics and Automation Letters, 2018, 3, 1072-1079. | 5.1 | 32 |
| 61 | Design, Modeling, and Control of an Aerial Robot DRAGON: A Dual-Rotor-Embedded Multilink Robot With the Ability of Multi-Degree-of-Freedom Aerial Transformation. IEEE Robotics and Automation Letters, 2018, 3, 1176-1183. | 5.1 | 132 |
| 62 | Flight Motion of Passing Through Small Opening by DRAGON: Transformable Multilinked Aerial Robot. , 2018, , . | | 12 |
| 63 | A Method of Joint Angle Estimation Using Only Relative Changes in Muscle Lengths for Tendon-Driven Humanoids with Complex Musculoskeletal Structures. , 2018, , . | | 5 |
| 64 | Online Self-body Image Acquisition Considering Changes in Muscle Routes Caused by Softness of Body Tissue for Tendon-driven Musculoskeletal Humanoids. , 2018, , . | | 15 |
| 65 | Coarse-to-fine Humanoid Motion Planning Using COM Feasible Region and Achievement of Humanoids Ladder Climbing and Transition. Journal of the Robotics Society of Japan, 2018, 36, 66-77. | 0.1 | 0 |
| 66 | TWIMP: Two-Wheel Inverted Musculoskeletal Pendulum as a Learning Control Platform in the Real World with Environmental Physical Contact. , 2018, , . | | 5 |
| 67 | Speed governing behavior on parallel two-wheeled electric scooter by life-sized humanoid robot based on learning control with online tuning for PID gain during control. Transactions of the JSME (in Japanese), 2018, 84, 18-00032-18-00032. | 0.2 | 1 |
| 68 | Semi-Passive Walk and Active Walk by One Bipedal Robot. , 2018, , . | | 7 |
| 69 | Design of Tiny High-Power Motor Driver without Liquid Cooling for Humanoid JAXON. , 2018, , . | | 7 |
| 70 | Transparent Integration of Humanoid Robot System for Performing Various Tasks. , 2018, , . | | 0 |
| 71 | Goal-Oriented Simulation-Based Motion Interpolator for Complex Contact Transition: Experiments on Knee-Contact Behavior. , 2018, , . | | 6 |
| 72 | Does an Introduction of a Person in a Group by a Robot Have a Positive Effect on People's Communication?. , 2018, , . | | 0 |

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| 73 | Predicting Part Affordances of Objects Using Two-Stream Fully Convolutional Network with Multimodal Inputs. , 2018, , . | | 9 |
| 74 | Effect of Walking with a Robot on Child-Child Interactions. , 2018, , . | | 3 |
| 75 | Design, Control and Preliminary Test of Robotic Ankle Prosthesis. , 2018, , . | | 1 |
| 76 | High Speed Whole Body Dynamic Motion Experiment with Real Time Master-Slave Humanoid Robot System. , 2018, , . | | 23 |
| 77 | Development of Life-Sized Humanoid Robot Platform (RHP2) with Tough Contact Point for Continuing to Perform After Falls. Journal of the Robotics Society of Japan, 2018, 36, 703-712. | 0.1 | 0 |
| 78 | Global planning of whole-body manipulation by humanoid robot based on transition graph of object motion and contact switching. Advanced Robotics, 2017, 31, 322-340. | 1.8 | 16 |
| 79 | Pick-and-verify: verification-based highly reliable picking system for various target objects in clutter. Advanced Robotics, 2017, 31, 311-321. | 1.8 | 8 |
| 80 | Rotational Sliding Motion Generation for Humanoid Robot by Force Distribution in Each Contact Face. IEEE Robotics and Automation Letters, 2017, 2, 2088-2095. | 5.1 | 6 |
| 81 | Bipedal oriented whole body master-slave system for dynamic secured locomotion with LIP safety constraints. , 2017, , . | | 15 |
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| 83 | Perspective from International Robotics Competicion. Journal of the Robotics Society of Japan, 2017, 35, 9-12. | 0.1 | 2 |
| 84 | STAIR3D: Simultaneous tracking and incremental registration for modeling 3D handheld objects. , 2017, , . | | 2 |
| 85 | Development of life-sized humanoid robot platform with robustness for falling down, long time working and error occurrence. , 2017, , . | | 29 |
| 86 | Distributed torque estimation toward low-latency variable stiffness control for gear-driven torque sensorless humanoid. , 2017, , . | | 17 |
| 87 | Tool force adaptation in soil-digging task for humanoid robot. , 2017, , . | | 3 |
| 88 | Robust real-time visual tracking using dual-frame deep comparison network integrated with correlation filters. , 2017, , . | | 11 |
| 89 | ROS, 5 Years After. Journal of the Robotics Society of Japan, 2017, 35, 270-273. | 0.1 | 0 |
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| 91 | Retrieving unknown objects using robot in-the-loop based interactive segmentation. , 2016, , . | | 3 |
| 92 | What am i doing? Robotic self-action recognition. , 2016, , . | | 2 |
| 93 | Transformable semantic map based navigation using autonomous deep learning object segmentation. , 2016, , . | | 4 |
| 94 | Online master-slave footstep control for dynamical human-robot synchronization with wearable sole sensor. , 2016, , . | | 8 |
| 95 | Achievement of dynamic tennis swing motion by offline motion planning and online trajectory modification based on optimization with a humanoid robot. , 2016, , . | | 12 |
| 96 | Evaluation-controlling mechanism of perception, planning, and execution for a life-sized humanoid robot. , 2016, , . | | 1 |
| 97 | Achievement of localization system for humanoid robots with virtual horizontal scan relative to improved odometry fusing internal sensors and visual information. , 2016, , . | | 6 |
| 98 | Redundancy embedding for search space reduction using deep auto-encoder: Application to collision-free posture generation. , 2016, , . | | 0 |
| 99 | Transformable multirotor with two-dimensional multilinks: modeling, control, and motion planning for aerial transformation. Advanced Robotics, 2016, 30, 825-845. | 1.8 | 34 |
| 100 | Development of High-Speed and High-Power Humanoid Research Platform JAXON. Journal of the Robotics Society of Japan, 2016, 34, 458-467. | 0.1 | 2 |
| 101 | Whole-body Pushing Manipulation of Large and Heavy Objects by Life-sized Humanoidbased on Contact Posture Planning and Online Footstep Modification. Journal of the Robotics Society of Japan, 2016, 34, 448-457. | 0.1 | 1 |
| 102 | Tricycle Manipulation by Arms and Legs of Humanoid Robot based on Active and Passive Switching Control System. Journal of the Robotics Society of Japan, 2016, 34, 468-477. | 0.1 | 1 |
| 103 | Achievement of Pedaling Manipulation Based on Cooperative System for Active Leg and Passive Leg by Tendon-driven Humanoid. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 428-436. | 0.2 | 0 |
| 104 | Multi-layered real-time controllers for humanoid's manipulation and locomotion tasks with emergency stop. , 2015, , . | | 14 |
| 105 | Development of humanoid robot system for disaster response through team NEDO-JSK's approach to DARPA Robotics Challenge Finals. , 2015, , . | | 17 |
| 106 | Dual Connected Bi-Copter with New Locomotion Feasibility That Can Fly at Arbitrary Tilt Angle. Journal of the Robotics Society of Japan, 2015, 33, 285-291. | 0.1 | 1 |
| 107 | Design of Human Mimetic Musculoskeletal Upper Limb by Adhesion of Muscles and Bones. Journal of the Robotics Society of Japan, 2015, 33, 704-711. | 0.1 | 1 |
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| 109 | Shuffle motion for humanoid robot by sole load distribution and foot force control. , 2015, , . | | 13 |
| 110 | Development of life-sized high-power humanoid robot JAXON for real-world use. , 2015, , . | | 95 |
| 111 | Implementation of a framework for learning handover grasp configurations through observation during human-robot object handovers. , 2015, , . | | 6 |
| 112 | Achievement of recognition guided teleoperation driving system for humanoid robots with vehicle path estimation. , 2015, , . | | 6 |
| 113 | Whole body joint load reduction control for high-load tasks of humanoid robot through adapting joint torque limitation based on online joint temperature estimation. , 2014, , . | | 8 |
| 114 | Biped humanoid navigation system supervised through interruptible user-interface with asynchronous vision and foot sensor monitoring. , 2014, , . | | 14 |
| 115 | Determining proper grasp configurations for handovers through observation of object movement patterns and inter-object interactions during usage. , 2014, , . | | 14 |
| 116 | Implementation of a robot-human object handover controller on a compliant underactuated hand using joint position error measurements for grip force and load force estimations. , 2014, , . | | 6 |
| 117 | Implementation of Human Mimetic Knee Joint with Screw-Home Mechanism and Achievement of Motion under Environment Contact by Musculoskeletal Humanoid. Journal of the Robotics Society of Japan, 2014, 32, 887-894. | 0.1 | 1 |
| 118 | 3P1-G05 Design of Forearm for Detail Human Mimetic Musculoskeletal Humanoid Kenshiro : Forearm with Radius and Ulna by Linear actuator with integrated sensor system(Medical Robotics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 (Robomec), 2014, 2014, _3P1-G05_1-_3P1-G05_2. | 0.0 | 0 |
| 119 | Assistive system research for creative life management on robotics and home economics. , 2013, , . | | 3 |
| 120 | Creating socially acceptable robots: Leaning grasp configurations for object handovers from demonstrations. , 2013, , . | | 1 |
| 121 | Manipulation of multiple objects in close proximity based on visual hierarchical relationships. , 2013, , . | | 10 |
| 122 | Design Approach of Biologically-Inspired Musculoskeletal Humanoids. International Journal of Advanced Robotic Systems, 2013, 10, 216. | 2.1 | 56 |
| 123 | Cooking Behavior with Handling General Cooking Tools based on a System Integration for a Life-sized Humanoid Robot. Paladyn, 2013, 4, . | 2.7 | 10 |
| 124 | 2P1-A12 Design of Upper limb for Detail Human Mimetic Musculoskeletal Humanoid Kenshiro(Humanoid). The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2013, 2013, _2P1-A12_1-_2P1-A12_2. | 0.0 | 0 |
| 125 | Controlling tendon driven humanoids with a wearable device with Direct-Mapping Method. , 2012, , . | | 3 |
| 126 | Online walking pattern generation for push recovery and minimum delay to commanded change of direction and speed. , 2012, , . | | 45 |

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| 127 | Design methodology for the thorax and shoulder of human mimetic musculoskeletal humanoid Kenshiro -a thorax structure with rib like surface -. , 2012, , . | | 29 |
| 128 | Lower thigh design of detailed musculoskeletal humanoid &amp;#x201C;Kenshiro&amp;#x201D;. , 2012, , . | | 18 |
| 129 | Development of a full body multi-axis soft tactile sensor suit for life sized humanoid robot and an algorithm to detect contact states. , 2012, , . | | 6 |
| 130 | Interactive symbol generation of task planning for daily assistive robot. , 2012, , . | | 3 |
| 131 | Instruction and Recognition System for Operating Variable Structures by Manipulation Robots. Transactions of the Society of Instrument and Control Engineers, 2012, 48, 86-92. | 0.2 | 2 |
| 132 | 1A1-K11 Designing Thorax and Shoulder of Human Mimetic Musculoskeletal Humanoid Kenshiro : Development of Thorax with Rib Like Surface(Robot Hand Mechanism and Grasping Strategy(1)). The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2012, 2012, _1A1-K11_1-_1A1-K11_4. | 0.0 | 0 |
| 133 | Online decision of foot placement using singular LQ preview regulation. , 2011, , . | | 87 |
| 134 | View-based multi-touch gesture interface for furniture manipulation robots. , 2011, , . | | 4 |
| 135 | Biomimetic design of musculoskeletal humanoid knee joint with patella and screw-home mechanism. , 2011, , . | | 12 |
| 136 | Creating household environment map for environment manipulation using color range sensors on environment and robot. , 2011, , . | | 8 |
| 137 | End point tracking for a moving object with several attention regions by composite vision system. , 2011, , . | | 4 |
| 138 | Creating Household Environment Map and Modeling Unknown Objects Using Fast Registration with Color Histogram of Color Range Image. Journal of the Robotics Society of Japan, 2011, 29, 694-701. | 0.1 | 2 |
| 139 | Grasp observation and reproduction by humanoid robots using color camera and 3D sensor. , 2011, , . | | 1 |
| 140 | Tidying and Cleaning Rooms using a Daily Assistive Robot - An Integrated System for Doing Chores in the Real World -. Paladyn, 2010, 1, . | 2.7 | 4 |
| 141 | Working with movable obstacles using on-line environment perception reconstruction using active sensing and color range sensor. , 2010, , . | | 22 |
| 142 | Design of high torque and high speed leg module for high power humanoid. , 2010, , . | | 85 |
| 143 | System integration of a daily assistive robot and its application to tidying and cleaning rooms. , 2010, , . | | 23 |
| 144 | Pedestrian detection using a LRF and a small omni-view camera for outdoor personal mobility robot. , 2010, , . | | 3 |

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| 145 | Recognition and manipulation integration for a daily assistive robot working on kitchen environments. , 2010, , . | | 28 |
| 146 | Head-mounted 3D multi sensor system for modeling in daily-life environment. , 2009, , . | | 0 |
| 147 | Environment situation reasoning integrating human recognition and life sound recognition using DBN. , 2009, , . | | 3 |
| 148 | Integrating Recognition and Action Through Task-Relevant Knowledge for Daily Assistive Humanoids. Advanced Robotics, 2009, 23, 459-480. | 1.8 | 8 |
| 149 | Task guided attention control and visual verification in tea serving by the daily assistive humanoid HRP2JSK. , 2008, , . | | 15 |
| 150 | A Simultaneous Estimation Method of Camera Pose and Environment Model using Head Mounted Stereo Vision. Journal of the Robotics Society of Japan, 2008, 26, 470-475. | 0.1 | 1 |
| 151 | Environment Recognition and Behavior Control of Humanoid for Daily Tasks. Journal of the Robotics Society of Japan, 2008, 26, 330-333. | 0.1 | 4 |
| 152 | Object Recognition with Multi Visual Cue Integration for Shared Knowledge-based Action Recognition System. Journal of the Robotics Society of Japan, 2008, 26, 537-545. | 0.1 | 1 |
| 153 | Multi-cue 3D object recognition in knowledge-based vision-guided humanoid robot system. , 2007, , . | | 26 |
| 154 | Realization of Dynamics Simulator Embedded Robot Brain for Humanoid Robots. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , . | 0.0 | 5 |
| 155 | Realization of Trash Separation of Bottles and Cans for Humanoids using Eyes, Hands and Ears. Journal of the Robotics Society of Japan, 2007, 25, 813-821. | 0.1 | 10 |
| 156 | Vision based behavior verification system of humanoid robot for daily environment tasks. , 2006, , . | | 72 |
| 157 | Gesture Recognition for Humanoids using Proto-symbol Space. , 2006, , . | | 4 |
| 158 | A Hybrid Approach to Practical Self Collision Detection System of Humanoid Robot. , 2006, , . | | 13 |