

Toshiaki Tsuji

List of Publications by Year in descending order

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304
papers

3,852
citations

394390

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214788

47
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306
all docs

306
docs citations

306
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	Force Control of Grinding Process Based on Frequency Analysis. IEEE Robotics and Automation Letters, 2022, 7, 3250-3256.	5.1	8
2	High Dynamic Range Force Sensing of a Robot Hand Combining Signals on Tip and Wrist. IEEE Robotics and Automation Letters, 2022, 7, 3210-3217.	5.1	2
3	Imitation Learning for Variable Speed Contact Motion for Operation up to Control Bandwidth. IEEE Open Journal of the Industrial Electronics Society, 2022, 3, 116-127.	6.8	3
4	An Independently Learnable Hierarchical Model for Bilateral Control-Based Imitation Learning Applications. IEEE Access, 2022, 10, 32766-32781.	4.2	6
5	Imitation Learning for Nonprehensile Manipulation Through Self-Supervised Learning Considering Motion Speed. IEEE Access, 2022, 10, 68291-68306.	4.2	5
6	A Self-Tuning Impedance-Based Interaction Planner for Robotic Haptic Exploration. IEEE Robotics and Automation Letters, 2022, 7, 9461-9468.	5.1	3
7	Verification of Learning Model for Dual-arm Cooperative Motion in Imitation Learning based on Bilateral Control. Journal of the Robotics Society of Japan, 2021, 39, 677-680.	0.1	0
8	Motion Generation Using Bilateral Control-Based Imitation Learning With Autoregressive Learning. IEEE Access, 2021, 9, 20508-20520.	4.2	16
9	High-Precision Control for Functional Electrical Stimulation Utilizing a High-Resolution Encoder. IEEJ Journal of Industry Applications, 2021, 10, 124-133.	1.1	4
10	A New Autoregressive Neural Network Model with Command Compensation for Imitation Learning Based on Bilateral Control. , 2021, , .		4
11	Reinforcement Learning for Robotic Assembly Using Non-Diagonal Stiffness Matrix. IEEE Robotics and Automation Letters, 2021, 6, 2737-2744.	5.1	26
12	Photoelectrical detection of nitrogen-vacancy centers by utilizing diamond lateral p-n diodes. Applied Physics Letters, 2021, 118, .	3.3	9
13	Contact Feature Recognition Based on MFCC of Force Signals. IEEE Robotics and Automation Letters, 2021, 6, 5153-5158.	5.1	18
14	Bilateral Control of Human Upper Limbs Using Functional Electrical Stimulation Based on Dynamic Model Approximation. IEEJ Journal of Industry Applications, 2021, 10, 443-456.	1.1	8
15	Contact State Recognition for Selective Cutting Task of Flexible Objects. , 2021, , .		1
16	High Dynamic Range Uniaxial Force/Torque Sensor Using Metal Foil and Semiconductor Strain Gauge. IEEJ Journal of Industry Applications, 2021, 10, 506-511.	1.1	10
17	High Dynamic Range 6-Axis Force Sensor Employing a Semiconductorâ€“Metallic Foil Strain Gauge Combination. IEEE Robotics and Automation Letters, 2021, 6, 6243-6249.	5.1	13
18	Imitation learning for variable speed motion generation over multiple actions. , 2021, , .		3

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19	A Force Recognition System for Distinguishing Click Responses of Various Objects. , 2021, , .		1
20	Imitation Learning Based on Bilateral Control for Human-Robot Cooperation. IEEE Robotics and Automation Letters, 2020, 5, 6169-6176.	5.1	32
21	Development of a Low-friction Motor using Bearings as Gear Teeth. , 2020, , .		0
22	Bilateral Control of Elbow and Shoulder Joints Using Functional Electrical Stimulation Between Humans and Robots. IEEE Access, 2020, 8, 15792-15799.	4.2	12
23	Motion Planning With Success Judgement Model Based on Learning From Demonstration. IEEE Access, 2020, 8, 73142-73150.	4.2	6
24	Simultaneous Estimation of Contact Position and Tool Shape using an Unscented Particle Filter. IEEJ Journal of Industry Applications, 2020, 9, 505-514.	1.1	4
25	Admittance Control Based on a Stiffness Ellipse for Rapid Trajectory Deformation. , 2020, , .		4
26	Miniaturization of multistage high dynamic range six-axis force sensor composed of resin material. , 2019, , .		5
27	Angle Measurement Using Monocular Camera and Moiré Pattern Enlarging the Rotation in the Linear Motion. , 2019, , .		0
28	Design of Resonance Ratio Control with Relative Position Information for Two-inertia System. , 2019, , .		5
29	Editorial: Human-Like Advances in Robotics: Motion, Actuation, Sensing, Cognition and Control. Frontiers in Neurobotics, 2019, 13, 85.	2.8	2
30	A Control Strategy for Electro-hydrostatic Actuator Considering Static Friction, Resonance, and Oil Leakage. IEEJ Journal of Industry Applications, 2019, 8, 279-286.	1.1	3
31	Visual Biofeedback of Force Information for Eccentric Training of Hemiplegic Patients. , 2019, 2019, 524-529.		0
32	Hysteresis Compensation in Force/Torque Sensors Using Time Series Information. Sensors, 2019, 19, 4259.	3.8	6
33	Trajectory adjustment for nonprehensile manipulation using latent space of trained sequence-to-sequence model. Advanced Robotics, 2019, 33, 1144-1154.	1.8	4
34	Robot-Assisted Eccentric Contraction Training of the Tibialis Anterior Muscle Based on Position and Force Sensing. Sensors, 2019, 19, 1288.	3.8	2
35	Linear Logistic Regression for Estimation of Lower Limb Muscle Activations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 523-532.	4.9	15
36	Success/Failure Identification of Skill Movement by Neural Network Using Force Information. , 2019, , .		1

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37	Time Series Motion Generation Considering Long Short-Term Motion. , 2019, , .		7
38	Control Using High-carrier Frequency PWM in Functional Electrical Stimulation. , 2019, , .		0
39	Development of compact high dynamic range six-axis force sensor with cross-arch structure. , 2019, , .		3
40	Development of an Angle Measurement System Using Monocular Camera and Moiré Patterns. IEEJ Journal of Industry Applications, 2019, 8, 200-206.	1.1	1
41	Usefulness of indocyanine green fluorescence imaging: <sc>A</sc> case of laparoscopic distal gastrectomy after distal pancreatectomy with splenectomy. Asian Journal of Endoscopic Surgery, 2018, 11, 252-255.	0.9	7
42	Modeling and resonance suppression control for electro-hydrostatic actuator as a two-mass resonant system. Advanced Robotics, 2018, 32, 1-11.	1.8	20
43	Hysteresis Compensation in Force/Torque Sensor based on Machine Learning. , 2018, , .		1
44	Estimation of Relationship Between Stimulation Current and Force Exerted During Isometric Contraction. , 2018, , .		3
45	Control with Adjusted Pulse Frequency and Amplitude in Functional Electrical Stimulation. , 2018, 2018, 2064-2067.		0
46	High Backdrivability Control Based on Estimation of Shaft Torsion Using Load Side Angle Sensor. , 2018, , .		5
47	Imitation Learning for Object Manipulation Based on Position/Force Information Using Bilateral Control. , 2018, , .		27
48	LSTM Learning of Inverse Dynamics with Contact in Various Environments. , 2018, , .		3
49	High Dynamic Range Sensing by a Multistage Six-Axis Force Sensor with Stopper Mechanism. , 2018, , .		12
50	Desktop upper limb rehabilitation robot using omnidirectional drive gear. , 2018, , .		0
51	Bilateral Control of Two Finger Joints Using Functional Electrical Stimulation. , 2018, , .		4
52	Reaction force observer using load dependent friction model. , 2018, , .		4
53	Sequence-to-Sequence Model for Trajectory Planning of Nonprehensile Manipulation Including Contact Model. IEEE Robotics and Automation Letters, 2018, 3, 3606-3613.	5.1	10
54	Reaction Force Estimation of Electro-hydrostatic Actuator Using Reaction Force Observer. IEEJ Journal of Industry Applications, 2018, 7, 250-258.	1.1	8

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55	Trajectory planning by variable length chunk of sequence-to-sequence using hierarchical decoder. , 2018, , .		2
56	Force control of electro-hydrostatic actuator using pressure control considering torque efficiency. , 2018, , .		0
57	Optimized Trajectory Generation based on Model Predictive Control for Turning Over Pancakes. IEEJ Journal of Industry Applications, 2018, 7, 22-28.	1.1	12
58	A Cooking Support System with Force Visualization Using Force Sensors and an RGB-D Camera. Lecture Notes in Electrical Engineering, 2018, , 297-299.	0.4	2
59	Dummy humanoid robot simulating several trunk postures and abdominal shapes “ Report of element technologies. Advanced Robotics, 2017, 31, 303-310.	1.8	7
60	Bilateral Control Between Electric and Hydraulic Actuators Using Linearization of Hydraulic Actuators. IEEE Transactions on Industrial Electronics, 2017, 64, 4631-4641.	7.9	30
61	Estimation and Kinetic Modeling of Human Arm using Wearable Robot Arm. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2017, 199, 57-67.	0.4	9
62	Estimation of Antagonistic Output Ratios Based on Force Distribution at End Effector of Limb. IEEE Transactions on Industrial Electronics, 2017, 64, 1783-1792.	7.9	2
63	Circular stapling versus triangulating stapling for the cervical esophagogastric anastomosis after esophagectomy in patients with thoracic esophageal cancer: A prospective, randomized, controlled trial. Surgery, 2017, 162, 131-138.	1.9	41
64	Development of a multistage six-axis force sensor with a high dynamic range. , 2017, , .		11
65	Intrinsic Contact Sensing for Touch Interface With Movable Structure. IEEE Transactions on Industrial Electronics, 2017, 64, 7342-7349.	7.9	7
66	Acceleration Control for Dynamic Manipulation of a Robot Turning Over Objects. IEEE Robotics and Automation Letters, 2017, , 1-1.	5.1	2
67	Development of friction free controller for electro-hydrostatic actuator using feedback modulator and disturbance observer. ROBOMECH Journal, 2017, 4, .	1.6	14
68	Home rehabilitation assist robot to facilitate isolated movements for hemiplegia patients. , 2017, , .		1
69	Resonance Suppression of Electro-hydrostatic Actuator by Full State Feedback Controller Using Load-side Information and Relative Velocity. IFAC-PapersOnLine, 2017, 50, 12065-12070.	0.9	9
70	Chattering reduction of functional electrical stimulation with the smith compensator. , 2017, , .		6
71	Inverse estimation of multiple muscle activations based on linear logistic regression. , 2017, 2017, 935-940.		2
72	Gait training assist system of a lower limb prosthetic visualizing muscle activation pattern using a color-depth sensor. , 2017, 2017, 216-221.		0

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73	Rehabilitation for hemiplegia using an upper limb training system based on a force direction. , 2017, 2017, 533-538.		4
74	Contact Point Calculation on a Haptic Interface Utilizing Differentiated Force. IEEJ Journal of Industry Applications, 2017, 6, 151-159.	1.1	2
75	Analysis on rigidity of hydraulic hoses for electro-hydrostatic actuators. , 2017, , .		3
76	Contact point estimation in tactile interface using particle filter. , 2017, , .		1
77	Frontal posture control of jumping biped robot using stiffness bias control. , 2017, , .		0
78	Model predictive control based deep neural network for dynamic manipulation. , 2017, , .		1
79	Sequence-to-sequence models for trajectory deformation of dynamic manipulation. , 2017, , .		4
80	Resonance-suppression Control for Electro-hydrostatic Actuator as Two-inertia System. IEEJ Journal of Industry Applications, 2017, 6, 320-327.	1.1	16
81	Determination of Torque Distribution Ratio for Electric Bicycle with Independently Driven Front and Rear Wheels. IEEJ Journal of Industry Applications, 2017, 6, 223-230.	1.1	0
82	A Control System for a Tool Use Robot: Drawing a Circle by Educing Functions of a Compass. Journal of Robotics and Mechatronics, 2017, 29, 395-405.	1.0	3
83	Bilateral Control in the Vertical Direction Using Functional Electrical Stimulation. IEEJ Journal of Industry Applications, 2016, 5, 398-404.	1.1	16
84	Estimation of individual force at three contact points on an end-effector by a six-axis force/torque sensor. , 2016, , .		0
85	Oil leakage and friction compensation for electro-hydrostatic actuator using drive-side and load-side encoders. , 2016, , .		7
86	Exercise system for eccentric tibialis anterior contraction to improve ambulatory function. , 2016, 2016, 5845-5848.		4
87	Force control of a jumping musculoskeletal robot with pneumatic artificial muscles. , 2016, , .		14
88	Development of a desk-type tactile interface using force sensors and an acceleration sensor. , 2016, , .		0
89	Bilateral control using functional electrical stimulation with reaction torque observer. , 2016, , .		2
90	Estimation of lower-extremity muscle forces by using task-space information. , 2016, , .		0

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91	Bilateral Control of a Velocity Control System Using Electric and Hydraulic Actuators. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2016, 194, 27-36.	0.4	0
92	Consideration of force visualization for hemiplegia based on a force direction teaching system. , 2016, , .		0
93	Bilateral control between electric and electro-hydrostatic actuators using feedback modulator. , 2016, , .		4
94	Recognition of contact conditions by robots using tools. , 2016, , .		0
95	Dynamic Object Manipulation Considering Contact Condition of Robot With Tool. IEEE Transactions on Industrial Electronics, 2016, 63, 1972-1980.	7.9	19
96	Motion Matching in Rehabilitation Databases With Force and Position Information. IEEE Transactions on Industrial Electronics, 2016, 63, 1935-1942.	7.9	7
97	Identification of the Dynamic Characteristics of Electro-hydrostatic Actuators. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 2A1-04b1.	0.0	2
98	Touch Interface using Force/Torque Sensor. Journal of the Institute of Electrical Engineers of Japan, 2016, 136, 30-33.	0.0	0
99	Tactile Sensing Techniques That Use Intrinsic Force Sensors. , 2016, , 139-155.		0
100	Estimation and Kinetic Modeling of Human Arm using Wearable Robot Arm. IEEE Transactions on Industry Applications, 2016, 136, 254-262.	0.2	3
101	Compact haptic device using a pneumatic bellows for teleoperation of a surgical robot. , 2015, , .		4
102	Force Control of Human-Assist System using Pneumatic Artificial Muscles. Journal of the Robotics Society of Japan, 2015, 33, 684-687.	0.1	0
103	A method for converting end effectors of various forms into tactile interfaces. , 2015, , .		2
104	Bilateral control using functional electrical stimulation. , 2015, , .		15
105	Impact force control based on stiffness ellipse method using biped robot equipped with biarticular muscles. , 2015, , .		9
106	Specular reflection removal with high-speed camera for video imaging. , 2015, , .		4
107	Electromyographic prosthetic hand using grasping-force-magnification mechanism with five independently driven fingers. Advanced Robotics, 2015, 29, 1586-1598.	1.8	9
108	Hydrodynamic characteristics of a membrane oxygenator: modeling of pressure-flow characteristics and their influence on apparent viscosity. Perfusion (United Kingdom), 2015, 30, 478-483.	1.0	6

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109	Development of an upper limb rehabilitation robot with guidance control by pneumatic artificial muscles. , 2015, , .		3
110	Sensorless pedaling torque estimation by front and rear wheels independently driven power assist bicycle. , 2015, , .		8
111	Ankle training robot force visualization for eccentric contraction training. , 2015, , .		2
112	Teleoperation of two six-degree-of-freedom arm rehabilitation exoskeletons. , 2015, , .		19
113	Estimation of Individual Contact Force when Two Contact Points Exist during Robotic Tool Use. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 46-47.	0.0	2
114	A Mounting Foot-Type Force-Sensing Device for a Desk with Haptic Sensing Capability. Lecture Notes in Electrical Engineering, 2015, , 191-195.	0.4	1
115	Development of a Haptic Cutting Board with a Force Visualization System. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 211.	0.0	1
116	Rehabilitation Systems Based on Visualization Techniques: A Review. Journal of Robotics and Mechatronics, 2015, 27, 122-125.	1.0	3
117	Haptic data compression for rehabilitation databases. , 2014, , .		2
118	New Emerging Technologies in Motion Control Systems - Part II. IEEE Transactions on Industrial Electronics, 2014, 61, 3607-3609.	7.9	4
119	Integration of disturbance observer and feedback modulator for dead zone compensation of hydraulic actuator. , 2014, , .		6
120	Development of a desk-type tactile interface using force sensors. , 2014, , .		8
121	Contact state recognition based on haptic signal processing for robotic tool use. , 2014, , .		1
122	Whole-body tactile sensing through a force sensor using soft materials in contact areas. ROBOMECH Journal, 2014, 1, .	1.6	3
123	Position/force decoupled bilateral communication without force controller in slave side by using multirate control. , 2014, , .		0
124	Introduction to the special section on new emerging technologies in motion control systems - Part I. IEEE Transactions on Industrial Electronics, 2014, 61, 982-984.	7.9	4
125	Development and evaluation of an operation interface for physical therapy devices based on rehabilitation database. , 2014, , .		1
126	Development of Rehabilitation Support Robot with Guidance Control Based on Biarticular Muscle Mechanism. IEJ Journal of Industry Applications, 2014, 3, 350-357.	1.1	21

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127	Whole-Body Haptics of Non-Convex-Shaped End-Effector Based on Variation in External Force Vector during Contact. IEEJ Transactions on Industry Applications, 2014, 134, 517-525.	0.2	0
128	Development of Haptic Signal processing connecting Human and Hardware. Journal of the Institute of Electrical Engineers of Japan, 2014, 134, 285-285.	0.0	0
129	Classification of a hybrid control system for robotic tool use. , 2013, , .		4
130	Rehabilitation database based on haptic signal processing. , 2013, , .		2
131	Development of a whole-body haptic sensor with multiple supporting points and its application to a manipulator. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2013, 182, 48-56.	0.4	1
132	Development of a haptic bilateral interface for arm self-rehabilitation. , 2013, , .		14
133	Stiffness control of a pneumatic rehabilitation robot for exercise therapy with multiple stages. , 2013, , .		8
134	Experimental evaluation of bilateral control of velocity control system using electric and hydraulic actuators. , 2013, , .		6
135	Simplified whole-body tactile sensing system using soft material at contact areas. , 2013, , .		5
136	Evaluation Indices of Stiffness Control for Its Performance Comparison. IEEJ Journal of Industry Applications, 2013, 2, 61-66.	1.1	2
137	A Robot Measuring Upper Limb Range of Motion for Rehabilitation Database. Journal of Robotics and Mechatronics, 2013, 25, 515-520.	1.0	13
138	Bilateral Control of a Velocity Control System using Electric and Hydraulic Actuators. IEEJ Transactions on Industry Applications, 2013, 133, 1065-1072.	0.2	2
139	On special issue "Actuators for Robots in Human Environment". Journal of the Robotics Society of Japan, 2013, 31, 547-547.	0.1	0
140	Whole-body force sensation by force sensor with end-effector of arbitrary shape. , 2012, , .		7
141	High bandwidth attitude control based on musculoskeletal system with biarticular muscles. , 2012, , .		0
142	An extended Jacobian matrix and multirate control for bilateral control between different time resolution systems. , 2012, , .		1
143	Development of a physical therapy robot for rehabilitation databases. , 2012, , .		21
144	Specific Expression of the Vacuolar Iron Transporter, TgVit, Causes Iron Accumulation in Blue-Colored Inner Bottom Segments of Various Tulip Petals. Bioscience, Biotechnology and Biochemistry, 2012, 76, 319-325.	1.3	7

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163	Impedance control of mobile robot with shell-shaped force sensor. , 2009, , .		2
164	Command recognition by haptic interface on human support robot. , 2009, , .		10
165	Application of a shell-shaped force sensor to a touch panel interface. , 2009, , .		0
166	A Wide-Range Velocity Measurement Method for Motion Control. IEEE Transactions on Industrial Electronics, 2009, 56, 510-519.	7.9	52
167	Whole-Body Force Sensation by Force Sensor With Shell-Shaped End-Effector. IEEE Transactions on Industrial Electronics, 2009, 56, 1375-1382.	7.9	59
168	Dynamic Display of Facial Expressions on the Face Robot with a Life Mask(Mechanical Systems). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2009, 75, 113-121.	0.2	0
169	Counting People and Recognizing Wheelchairs at Elevator Lobby by Real-Time Image Processing. IEEJ Transactions on Industry Applications, 2009, 129, 578-584.	0.2	6
170	Controller design for human-assist robots with force filtering process. Electronics and Communications in Japan, 2008, 91, 46-55.	0.5	0
171	Realization of acceleration control using multirate sampling method. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2008, 162, 72-81.	0.4	0
172	GMPLS-based High-speed Optical Slot Switching System Using PLZT Ultra-high Speed Optical Switch for HDTV Contents Delivery Network. , 2008, , .		1
173	An approach to estimate velocity for acceleration control. , 2008, , .		4
174	Pattern discrimination method with a boosting approach using hierarchical neural trees. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2008, 222, 701-710.	1.0	5
175	Whole-body force sensation by robot with outer shell. , 2008, , .		11
176	Development of Pneumatic Artificial Muscle Manipulator with Feedforward and Feedback Control. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2008, 74, 3004-3011.	0.2	9
177	ZMP Reference Trajectory Generation for Biped Robot with Inverted Pendulum Model by Using Virtual Supporting Point. IEEJ Transactions on Industry Applications, 2008, 128, 687-693.	0.2	13
178	Development of the Breast Pump with a Baby-Like Peristaltic Motion. Journal of Robotics and Mechatronics, 2008, 20, 456-465.	1.0	0
179	Development of Power Assist System for Caregiver by Muscle Suit. , 2007, , .		11
180	Development of Power Assist System for Manual Worker by Muscle Suit. , 2007, , .		6

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181	Development of an Active Walker as a New Orthosis. , 2007, , .		7
182	Robust Acceleration Control Based on Acceleration Measurement Using Optical Encoder. , 2007, , .		10
183	Research on Realistic Nod with Receptionist Robot SAYA That Has Human-like Appearance. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 3046-3054.	0.2	5
184	Development of the Breast Pump with a Baby-like Peristaltic Motion. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 1817-1826.	0.2	5
185	Realization and Evaluation of Realistic Nod with Receptionist robot SAYA. , 2007, , .		24
186	Multirate Sampling Method for Acceleration Control System. IEEE Industrial Electronics Magazine, 2007, 54, 1462-1471.	2.6	60
187	Collision Avoidance Method of Humanoid Robot With Arm Force. IEEE Industrial Electronics Magazine, 2007, 54, 1632-1641.	2.6	46
188	A Controller Design Method Based on Functionality. IEEE Transactions on Industrial Electronics, 2007, 54, 3335-3343.	7.9	60
189	A Controller Design Method for Human-Assist Robot with Force Filtering Process. IEJ Transactions on Industry Applications, 2007, 127, 1000-1008.	0.2	12
190	A Structure of Bilateral Control Systems Based on Grasping/Manipulating Control Scheme. IEJ Transactions on Industry Applications, 2007, 127, 563-570.	0.2	16
191	A Controller Design Method of Decentralized Control System. IEJ Transactions on Industry Applications, 2006, 126, 630-638.	0.2	25
192	A Controller Design Method of Bilateral Control System. EPE Journal (European Power Electronics) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	33
193	Technical Issues on Velocity Measurement for Motion Control. , 2006, , .		1
194	Controller Design for Robot with Pneumatic Artificial Muscles. , 2006, , .		5
195	Development of Active Walker by using Hart Walker. , 2006, , .		3
196	Development of the Face Robot SAYA for Rich Facial Expressions. , 2006, , .		113
197	Technical Issues on Velocity Measurement for Motion Control. , 2006, , .		5
198	Bilateral Teleoperation through Networks. IEJ Transactions on Industry Applications, 2006, 126, 161-167.	0.2	9

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199	Sensorless Oscillation Control of a Suspended Load with Flywheels. IEEJ Transactions on Industry Applications, 2006, 126, 1119-1125.	0.2	1
200	Multirate Sampling Method for Acceleration Control System. , 2005, , .		9
201	Analysis of Bilateral Systems with Time Delay. , 2005, , .		6
202	Phoneme Classification for Speech Synthesiser using Differential EMG Signals between Muscles. , 2005, 2005, 5962-6.		6
203	Force sensing and force control using multirate sampling method. , 2005, , .		4
204	Manipulability analysis of human arm movements during the operation of a variable-impedance controlled robot. , 2005, , .		22
205	Tracking Control Properties of Human-Robotic Systems Based on Impedance Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 523-535.	2.9	95
206	Trajectory planning of biped robot for running motion. , 2005, , .		4
207	A dynamic body model of the nematode C. elegans with a touch-response circuit. , 2005, , .		11
208	A Design Method for Decentralized Control System applying System Connection. , 2005, , .		9
209	A velocity measurement method for acceleration control. , 2005, , .		31
210	Oscillation Control of Suspended Load with Flywheels. IEEJ Transactions on Industry Applications, 2005, 125, 548-553.	0.2	3
211	LMI based neurocontroller for guaranteed cost control of discrete-time uncertain system. , 2004, , .		10
212	Analysis of human wrist joint impedance: Does human joint viscosity depend on its angular velocity?. , 2004, , .		0
213	Online Learning of Virtual Impedance Parameters in Non-Contact Impedance Control Using Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2112-2118.	5.0	19
214	A Global Step Planning Method for Biped Robot Considering Obstacles. IEEJ Transactions on Industry Applications, 2004, 124, 549-555.	0.2	2
215	A human-assisting manipulator teleoperated by EMG signals and arm motions. IEEE Transactions on Automation Science and Engineering, 2003, 19, 210-222.	2.3	416
216	A Design of Decentralized Control System in Unstructured Environment. IEEJ Transactions on Industry Applications, 2003, 123, 1219-1226.	0.2	4

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217	Bio-mimetic trajectory generation based on human arm movements with a nonholonomic constraint. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 773-779.	2.9	13
218	A Trajectory Planning of Biped Robot Taking Environment into Account. IEJ Transactions on Industry Applications, 2002, 122, 1076-1081.	0.2	2
219	Vision-based active sensor using a flexible beam. IEEE/ASME Transactions on Mechatronics, 2001, 6, 7-16.	5.8	13
220	A log-linearized Gaussian mixture network and its application to EEG pattern classification. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1999, 29, 60-72.	2.9	130
221	Dynamic control of redundant manipulators using the artificial potential field approach with time scaling. Artificial Life and Robotics, 1999, 3, 79-85.	1.2	4
222	Noncontact impedance control for redundant manipulators. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1999, 29, 184-193.	2.9	34
223	Hierarchical control of end-point impedance and joint impedance for redundant manipulators. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1999, 29, 627-636.	2.9	1
224	Neuro-Based Adaptive Regulator. World Scientific Series in Robotics and Intelligent Systems, 1999, , 77-97.	0.1	0
225	Adaptive control and identification using one neural network for a class of plants with uncertainties. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1998, 28, 496-505.	2.9	10
226	Active antenna for contact sensing. IEEE Transactions on Automation Science and Engineering, 1998, 14, 278-291.	2.3	133
227	Human hand impedance characteristics during maintained posture. Biological Cybernetics, 1995, 72, 475-485.	1.3	397
228	A constructing method of domain and pedagogical knowledge for Intelligent CAI system. Ningen Kogaku = the Japanese Journal of Ergonomics, 1989, 25, 286-287.	0.1	0
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