

# Seiichiro Katsura

## List of Publications by Year in descending order

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456  
papers

5,093  
citations

172207

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457  
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457  
docs citations

457  
times ranked

1872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excess Force Reduction in Bilateral Control for Precise and Safe Operation. IEEJ Journal of Industry Applications, 2022, 11, 266-278.	0.9	3
2	In-Tool Motion Sensing for Evaluation of Violin Performance. IEEJ Journal of Industry Applications, 2022, 11, 291-298.	0.9	7
3	Fast soft contact motion using force control with virtual viscosity field. Precision Engineering, 2022, 75, 227-234.	1.8	2
4	Application of Multilayer Kalman Filter to a Flexible Drive System. IEEJ Journal of Industry Applications, 2022, , .	0.9	1
5	Motion-Copying System with Compensation of Environmental Changes for Calligraphy Robot. , 2022, , .		2
6	Modeling of a Linear Variable Structured Elastic Actuator Considering Modal Transition of Electromagnetic Clutch. , 2022, , .		0
7	Safe operation of scaling bilateral control system under application of excessive force by operator. Mechatronics, 2022, 84, 102770.	2.0	3
8	A generative model of calligraphy based on image and human motion. Precision Engineering, 2022, 77, 340-348.	1.8	1
9	Performance Improvement of Element Description Method Using Artificial Bee Colony Algorithm. IEEJ Journal of Industry Applications, 2022, 11, 643-649.	0.9	2
10	Acceleration-Based Disturbance Observer for Hybrid Control of Redundant Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 11188-11199.	5.2	6
11	Hierarchical Abstraction of Compensator for Reaction Torque Observer Based on Element Description Method. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 61-70.	3.0	8
12	A Design of Back-Drivable Tendon-Driven Mechanism on Robotic Finger. , 2021, , .		1
13	States Estimation of the Two-Mass Drive System Using Multilayer Observer. , 2021, , .		5
14	Compensation of nonlinear dynamics for energy/phase control of hopping robot. Precision Engineering, 2021, 69, 36-47.	1.8	3
15	Variable Structured Elastic Actuator for High Speed Linear Motion. , 2021, , .		4
16	Package Leak Detection Based on Aperiodic Anomaly Extraction. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 363-370.	3.0	3
17	Differential Evolutionary Algorithm With Local Search for the Adaptive Periodic-Disturbance Observer Adjustment. IEEE Transactions on Industrial Electronics, 2021, 68, 12504-12512.	5.2	13
18	Variation Model Abstraction and Adaptive Control Based on Element Description Method Toward Smart Factory. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 489-497.	4.8	3

#	ARTICLE	IF	CITATIONS
19	Parameter Identification of the Two-Mass System with the help of Multi-layer Estimator. , 2021, , .		2
20	Modeling and Control of Two-mass Resonant System Based on Element Description Method. , 2021, , .		4
21	A Design of Tendon-Driven Mechanism for Flipping Motion on Robotic Finger. , 2021, , .		1
22	Application of Multilayer Observer for a Drive System with Flexibility. Energies, 2021, 14, 8479.	1.6	2
23	Periodic/Aperiodic Motion Control Using Periodic/Aperiodic Separation Filter. IEEE Transactions on Industrial Electronics, 2020, 67, 7649-7658.	5.2	10
24	Sensorless Monitoring and Analysis of Grinding Process Using Disturbance Observer. , 2020, , .		0
25	Hopping Robot Using Variable Structured Elastic Actuators. , 2020, , .		3
26	Effect of Pulse-Width Modulation Resolution on Angle Control of Wrist Joint Using Functional Electrical Stimulation. , 2020, , .		0
27	Application of the Multi-Layer Observer for a Two-Mass Drive System. , 2020, , .		7
28	Force and Impedance Control for Automatic Violin Performance. , 2020, , .		0
29	Leaning Impedance Distribution of Object from Images Using Fully Convolutional Neural Networks. , 2020, , .		2
30	Realization of 3-degree-of-freedom control using fine-grain parallel processing. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2020, 213, 52-63.	0.2	1
31	Precise slave-side force control for security enhancement of bilateral motion control during application of excessive force by operator. Precision Engineering, 2020, 65, 7-22.	1.8	6
32	System-on-a-Chip Including Generic Framework of Motion Controller Using Disturbance Observer Based Acceleration Controller. Lecture Notes in Electrical Engineering, 2020, , 333-345.	0.3	0
33	Abstraction of Thermal Welding System based on Element-Description Method. IEEJ Journal of Industry Applications, 2020, 9, 530-537.	0.9	6
34	Acoustic Impedance Control for Generating Virtual Wall. IEEJ Journal of Industry Applications, 2020, 9, 650-655.	0.9	0
35	Feature Extraction and Generation of Robot Writing Motion Using Encoder-Decoder Based Deep Neural Network. , 2020, , .		0
36	Rendering Thermal Sensation of Fingertip by Using Spatial Information of Heat Sources. , 2019, , .		0

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37	Motion Reproduction for Flexible Structure using Wave-based Load Disturbance Observer. , 2019, , .		0
38	High-Power and Precise Actuation System with Direct Drive and Variable Structured Elasticity. , 2019, , .		5
39	Experimental Validation of Noise Power in System Under Hardware Constraints. , 2019, , .		2
40	Modified State Estimation with Fixed Point Update Based on Maximum Correntropy Criterion. , 2019, , .		0
41	Force Control for Contact with Flexible Objects Using Reflected-Wave Rejection. , 2019, , .		0
42	Development of Coffee Grinder with Servo Mechanism and Relationship Analysis between Processing Conditions and Particle Size. , 2019, , .		3
43	Design of Nominal Parameters for Robust Sensorless Force Control Based on Disturbance Observer. IEEJ Journal of Industry Applications, 2019, 8, 342-351.	0.9	21
44	State Estimation Based on Multirate Kalman Filter for Power Systems Driven by Switching Inverter. IEEJ Journal of Industry Applications, 2019, 8, 231-239.	0.9	2
45	Variable Heat Disturbance Observer for Control of Peltier Device. IEEJ Journal of Industry Applications, 2019, 8, 185-191.	0.9	5
46	Parameter Adjustment Based on Genetic Algorithm for Adaptive Periodic-Disturbance Observer. , 2019, , .		2
47	An Enhanced Periodic-Disturbance Observer for Improving Aperiodic-Disturbance Suppression Performance. IEEJ Journal of Industry Applications, 2019, 8, 177-184.	0.9	17
48	Vibration Suppression of Electromagnetic-Force-Restoration Weighing Cell Using Wave Control. IEEJ Journal of Industry Applications, 2019, 8, 576-585.	0.9	0
49	Auto Gain Control Technique Realizing Wide-Range and Precise A/D Conversion for Dynamic Signal Sensing. SICE Journal of Control Measurement and System Integration, 2019, 12, 20-28.	0.4	1
50	Thermal Rendering Based on Thermal Diffusion Equation. IEEJ Journal of Industry Applications, 2019, 8, 867-874.	0.9	1
51	Robot Control with Wideband Acceleration Control Embedded on Programmable SoC. , 2019, , .		1
52	Separated periodic/aperiodic state feedback control using periodic/aperiodic separation filter based on lifting. Automatica, 2019, 101, 458-466.	3.0	11
53	Hybrid Motion Reproduction Using Master/Slave Type Motion-Copying System. IEEJ Journal of Industry Applications, 2019, 8, 967-974.	0.9	10
54	An Adaptive Periodic-Disturbance Observer for Periodic-Disturbance Suppression. IEEE Transactions on Industrial Informatics, 2018, 14, 4446-4456.	7.2	85

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55	Interpolation of a Clothoid Curve Based on Iterative True-Value Prediction Considering the Discretization Error. IEEE Transactions on Industrial Informatics, 2018, 14, 5156-5166.	7.2	2
56	Design of a skill-learning system based on human-motion reproduction. , 2018, , .		1
57	Thermal Propagation Control Using a Thermal Diffusion Equation. IEEE Transactions on Industrial Electronics, 2018, 65, 8809-8817.	5.2	11
58	Wearable Thermal Interface for Sharing Palm Heat Conduction. , 2018, , .		1
59	Position control of 2-DOF resonant system based on modal-space control design. , 2018, , .		1
60	Simultaneous Presentation of Thermal and Tactile Sensations Using Multilateral Control under Time Delay. IEEJ Journal of Industry Applications, 2018, 7, 378-386.	0.9	4
61	Sensing of Heat Source in a Deep Layer by Considering Heat Propagation. IEEJ Journal of Industry Applications, 2018, 7, 229-235.	0.9	4
62	Section focused on new horizons in telerobotics for real-life applications. Advanced Robotics, 2018, 32, 681-682.	1.1	2
63	Auxiliary Circuit for Velocity-Acceleration Estimation from Position Data Using Pipeline Differentiating Unit. , 2018, , .		2
64	A System Design Method of High-Frequency Class-D Inverter for Wideband Current Control. , 2018, , .		0
65	A study of acceleration control system via industrial motion network. , 2018, , .		0
66	Realization of transmitter for wireless power transfer to multi loads. , 2018, , .		2
67	Extended Reproduction of Demonstration Motion Using Variational Autoencoder. , 2018, , .		1
68	Distributed thermal conductance control for sensing and rendering thermal sensation on the palm. , 2018, , .		2
69	Spatial Disturbance Suppression of a Flexible System Based on Wave Model. IEEJ Journal of Industry Applications, 2018, 7, 236-243.	0.9	10
70	Measurement of endpoint stiffness in 6 dimensions. , 2017, , .		0
71	Model generation and parameter identification of unknown environment using element description method. , 2017, , .		9
72	FPGA-based voltage control with PDM inverter for wideband drive system using T-type neutral-point-clamped topology. , 2017, , .		4

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73	A circle disturbance observer based on spatial periodicity for circle systems. , 2017, , .		0
74	Precise force control for contact with flexible object considering environmental dynamics. , 2017, , .		1
75	High-speed and high-backdrivable actuation system considering variable-structured elastic design. Production Engineering, 2017, 11, 117-124.	1.1	5
76	Decoupling and Performance Enhancement of Hybrid Control for Motion-Copying System. IEEE Transactions on Industrial Electronics, 2017, 64, 420-431.	5.2	23
77	GaN-HEMT-based three level T-type NPC inverter using reverse-conducting mode in rectifying. , 2017, , .		4
78	Position control of a magnetic levitation device using a non-linear disturbance observer and influence of the position sensing. , 2017, , .		1
79	Position control of a magnetic levitation device using a disturbance observer and associated remote sensing. , 2017, , .		1
80	Kalman filter based equivalent elastic force feedback for time-delay compensation. , 2017, , .		2
81	Disturbance observer-based balance control of robotic biped walkers under slip. , 2017, , .		1
82	Event-triggered formation control of leader-follower multi-agent system for reducing the number of information transmission. , 2017, , .		2
83	Contact motion planning including force direction with relaxing impact. , 2017, , .		0
84	Walking control of bipedal robot on soft ground considering ground reaction force. , 2017, , .		1
85	Design of virtual stiffness for human operated robot considering external force in safety enhancement. , 2017, , .		0
86	Sensing of heat source in deep layer using heat flow. , 2017, , .		0
87	Repetitive motion-reproduction based on a motion-copying system for automation of human motions. , 2017, , .		1
88	Modeling and control of sound system for sound field reproduction. , 2017, , .		1
89	Estimation of heat inflow considering influence of thermal interference between multiple heat sources. , 2017, , .		0
90	Bilateral control with compliant force lock for safety enhancement. , 2017, , .		2

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91	Position control of middle load point of 2-DOF resonant system. , 2017, , .		1
92	Improvement of Operability Under Time Varying Delay for Bilateral Teleoperation Systems by Differential Signal Based Data Modulation. IEEJ Journal of Industry Applications, 2017, 6, 245-251.	0.9	4
93	Design of an Infinite-Order Disturbance Observer Enhancing Disturbance Suppression Performance. IEEJ Journal of Industry Applications, 2017, 6, 192-198.	0.9	9
94	High-order disturbance estimation using Kalman filter for precise reaction-torque control. , 2016, , .		5
95	Analysis of dual-mode wireless power transfer with two frequencies. , 2016, , .		0
96	Experimental validation of forward- and back-drivable characteristics on series clutch actuators using acceleration control. , 2016, , .		1
97	Control design based on reachability matrix for realization of independent operation in multilateral system. , 2016, , .		0
98	High-Speed position control of dynamic elastic actuator using elastic potential energy. , 2016, , .		0
99	Temperature control for thermal sensation based on thermal diffusion equation. , 2016, , .		0
100	Temperature control on a curved surface for implementing to wearable interfaces. , 2016, , .		1
101	A control design including system connection based on reachability matrix for independent operation of multilateral systems. , 2016, , .		0
102	Realization of stable contact motion based on concept of resonance ratio control. , 2016, , .		2
103	Multilateral control under time delay for decoupling force and velocity controllers. , 2016, , .		2
104	Replication of skilled polishing technique with serial-parallel mechanism polishing machine. Precision Engineering, 2016, 45, 292-300.	1.8	17
105	Data Reduction Design Based on Delta-Sigma Modulator in Quantized Scaling-Bilateral Control for Realizing of Haptic Broadcasting. IEEE Transactions on Industrial Electronics, 2016, 63, 1962-1971.	5.2	12
106	Synthesis of Motion-Reproduction Systems Based on Motion-Copying System Considering Control Stiffness. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1015-1023.	3.7	25
107	Improvements in the Safety and Efficiency of Air Traffic. Journal of the Institute of Electrical Engineers of Japan, 2016, 136, 409-412.	0.0	0
108	Clarification of Fundamental Motion Using Hierarchical Clustering and Graph Theory. IEEJ Journal of Industry Applications, 2016, 5, 108-116.	0.9	1

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109	Motion Reproduction with Time-adaptation Control for Dealing with Variations of Environmental Location. IEEJ Journal of Industry Applications, 2016, 5, 221-227.	0.9	10
110	Control of Thermal Conductance with Detection of Single Contacting Part for Rendering Thermal Sensation. IEEJ Journal of Industry Applications, 2016, 5, 101-107.	0.9	12
111	3-Dimension analysis of human arm stiffness in reaching movement using arm robot. , 2015, , .		0
112	Torque/force control of wave system based on reflected wave rejection and wave-based load disturbance observer. , 2015, , .		3
113	On-line identification and compensation for sensor-less force feedback using macro-micro bilateral control. , 2015, , .		1
114	Time Delay Compensation Using Equivalent Elastic Force Feedback. IEEJ Journal of Industry Applications, 2015, 4, 688-695.	0.9	5
115	Motion-Data Processing and Reproduction Based on Motion-Copying System. IEEJ Journal of Industry Applications, 2015, 4, 543-549.	0.9	4
116	Multi-Degree-of-Freedom Motion-Copying System Considering Variation in Friction. IEEJ Journal of Industry Applications, 2015, 4, 262-267.	0.9	4
117	Modeling of Stochastic Disturbance Based on Quantum Physics for High-Performance Force Estimation. IEEJ Journal of Industry Applications, 2015, 4, 535-542.	0.9	2
118	Motion reproduction based on time-adaptation in multi-degree-of-freedom system for contact task. , 2015, , .		2
119	Command shaping with transition of state for smooth force control. , 2015, , .		0
120	Analysis and compensation of modeling error for synchronized bilateral teleoperation. , 2015, , .		1
121	Multiple temperature control with detection of contacting points for rendering thermal sensation. , 2015, , .		1
122	Thermal impedance control for thermal rendering technique. , 2015, , .		1
123	Calculation of grasping force to adapt mass variation of object considering human motion. , 2015, , .		0
124	Analysis of generalized hybrid parameters based on macro-micro bilateral control for avoiding destruction of micro object. , 2015, , .		0
125	Contact motion stabilization using equivalent future response in synchronized bilateral teleoperation. , 2015, , .		0
126	A design method of phase control system for SISO system using Hilbert transformer. , 2015, , .		0



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127	A motion reproduction method for training system based on spatiotemporal admittance control. , 2015, , .		1
128	Filtering of jitter based on inverse related filters and error corrector in network control systems. , 2015, , .		1
129	High-Stiff Motion Reproduction Using Position-Based Motion-Copying System With Acceleration-Based Bilateral Control. IEEE Transactions on Industrial Electronics, 2015, 62, 7631-7642.	5.2	10
130	Reaction-torque-based reflected wave rejection for vibration suppression of integrated resonant and time-delay system. , 2015, , .		1
131	Analysis of touching motion using singular spectrum transformation. , 2015, , .		0
132	Rubbing motion reproduction method in work space by considering summation of contact force. , 2015, , .		1
133	Position based free-motion data connecting by using minimum force-differential model. , 2015, , .		3
134	Ultrafine manipulation considering input saturation using proxy-based sliding mode control. , 2015, , .		2
135	Virtual-bilateral-type force control for stable and quick contact motion. , 2015, , .		0
136	Synchronism evaluation of multi-DOF motion-copying system for motion training. , 2015, , .		1
137	Decoupled Bilateral Control Based on Modal Space Observer in Master-Slave Systems with Different Masses. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2015, 193, 10-20.	0.2	2
138	Sensorless Control of Heat Inflow to a Thermal Display Using a Heat Inflow Observer. IEEE Transactions on Industrial Electronics, 2015, 62, 4288-4297.	5.2	10
139	Circle theorem-based realization of nonlinear force control for teleoperation under time delay. , 2015, , .		2
140	Haptic data compression based on delta-sigma modulator in quantized scaling-bilateral control. , 2015, , .		0
141	Wave-based load disturbance observer for robust enhancement of reflected wave rejection-based vibration control. , 2015, , .		1
142	Mixed Reproduction of Physical Human Operation and Data-Based Motions by Frequency Filtering. IEEE Transactions on Industrial Electronics, 2015, 62, 5799-5806.	5.2	2
143	Design Strategies for Motion Reproduction Based on Environmental Disturbance Compensation. IEEE Transactions on Industrial Electronics, 2015, 62, 5786-5798.	5.2	20
144	Realization of Simultaneity in Bilateral Control System under Communication Delay. IEEJ Journal of Industry Applications, 2015, 4, 253-261.	0.9	5

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145	Analysis and Modeling Based on Cepstrum for Haptic Presentation Considering Frequency Features of Vibration in Rubbing Motion. IEEJ Journal of Industry Applications, 2015, 4, 74-82.	0.9	4
146	High-Performance Force Control Based on Virtual Bilateral Control Structure. IEEJ Journal of Industry Applications, 2015, 4, 83-90.	0.9	5
147	Nanoscale Motion Control Using Composite Filter for Disturbance Observer. IEEJ Journal of Industry Applications, 2015, 4, 98-104.	0.9	6
148	Modal-Space Filtering by Expectation Value Extraction for High-Scaling Bilateral Control. IEEJ Journal of Industry Applications, 2015, 4, 681-687.	0.9	2
149	Multilateral control-based motion copying system for haptic training. , 2014, , .		2
150	Reduction of an operational force in a simultaneity realized bilateral telecommunication system. , 2014, , .		0
151	Extraction of trainee force based on motion-copying system for training system. , 2014, , .		0
152	Considering transmission period via network for tele-haptics. , 2014, , .		0
153	Analysis and compensation in specific frequency based on composite filter for nanoscale motion control. , 2014, , .		0
154	Performance enhancement method for bilateral telecommunication system utilizing buffered information. , 2014, , .		1
155	Motion control design for force-trajectory integrated control to unknown environment. , 2014, , .		0
156	A classification method of motion database using hidden Markov model. , 2014, , .		4
157	Multi-DOF Motion Reproduction Using Motion-Copying System With Velocity Constraint. IEEE Transactions on Industrial Electronics, 2014, 61, 3765-3775.	5.2	29
158	Development and Control of Multi-Degree-of-Freedom Mobile Robot for Acquisition of Road Environmental Modes. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2014, 188, 59-67.	0.2	0
159	Performance enhancement of bilateral control under time delay using nonlinear filter. , 2014, , .		1
160	Realization of simultaneity in bilateral teleoperation system under time delay. , 2014, , .		3
161	Macro-micro bilateral control system without position limitation. , 2014, , .		2
162	Vibration suppression of integrated resonant and time delay system by reflected wave rejection. , 2014, , .		1

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163	Motion education system using impedance control based on spatial information. , 2014, , .		0
164	Reproduction of 2-DOF motion adapting to environmental angle change. , 2014, , .		1
165	Reproducibility and operationability of motion-copying system for education. , 2014, , .		1
166	Filter design of multilateral control under time delay for tele-teaching by hand. , 2014, , .		0
167	Motion reproduction system considering control bandwidth in force transmission. , 2014, , .		4
168	An analysis on bilateral control system with quantization by multi-level delta-sigma modulation. , 2014, , .		3
169	Spatially scaled motion-reproduction control using modified motion data. , 2014, , .		2
170	Stabilization control of a 2-mass resonant system based on energy control theory. , 2014, , .		0
171	Per hop data encryption protocol for transmission of motion control data over public networks. , 2014, , .		2
172	Fine Force Reproduction Based on Motion-Copying System Using Acceleration Observer. IEEE Transactions on Industrial Electronics, 2014, 61, 6213-6221.	5.2	18
173	Spatial shaping of motion-data based on motion-copying system using variable temporal scaling. , 2014, , .		1
174	Reproduction control of rubbing motion taking friction variation into account. , 2014, , .		1
175	Evaluation of reproduction speed changer based on delta-sigma modulator for high speed motion-reproduction. , 2014, , .		0
176	A reduction method of stochastic disturbance based on resonant filter in macro-micro bilateral control system. , 2014, , .		0
177	Data-Based Motion Control for Motion Reproduction for Automatic Adjustment of Environmental Location. IEEJ Journal of Industry Applications, 2014, 3, 156-163.	0.9	10
178	Position Control of Resonant System with Load Force Suppression Using Wave Observer. IEEJ Journal of Industry Applications, 2014, 3, 18-25.	0.9	12
179	Analysis, Modeling, and Compensation of Friction for Scaled Bilateral Control. IEEJ Journal of Industry Applications, 2014, 3, 344-349.	0.9	9
180	S1210102 Study of the On-line Identification Method of Environmental Impedance for Motion-Copying System. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _S1210102-_S1210102-.	0.0	0

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181	S1130203 A Study of the Relationship between the Friction Force and the Drag Speed in Reproduction Polishing Motion Using Motion-Copying System. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _S1130203-_S1130203-.	0.0	0
182	An Evaluation of Connectivity and a Control in a Multilateral Communication System. IEEJ Journal of Industry Applications, 2014, 3, 164-173.	0.9	3
183	G1510402 Realization of Force Transmission with Minute Object by Composite Filter. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _G1510402-_G1510402-.	0.0	0
184	S1310203 Scaling Bilateral Control Based on Stochastic Disturbance Estimation in Micro Space. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _S1310203-_S1310203-.	0.0	0
185	Energy Disturbance Observer for Estimation and Control of Reaction Energy. IEEJ Journal of Industry Applications, 2014, 3, 335-343.	0.9	0
186	Vibration control of resonant system by using reflected wave rejection with fractional order low-pass filter. , 2013, , .		3
187	Industrial Applications of the Kalman Filter: A Review. IEEE Transactions on Industrial Electronics, 2013, 60, 5458-5471.	5.2	436
188	A decoupling controller design and analysis of multilateral control using disturbance observer in modal space. Advanced Robotics, 2013, 27, 71-80.	1.1	6
189	A realization of haptic training system based on force control. , 2013, , .		1
190	Motion reproducing system for pinching and rotational tasks with different size of objects by using a transformation to polar coordinates. , 2013, , .		3
191	Robust motion control of MR-fluid actuator based on disturbance observer. , 2013, , .		2
192	Micro-macro bilateral control with compensation of gravity and friction. , 2013, , .		2
193	Towards performance improvement of motion reproduction based on motion-copying system. , 2013, , .		0
194	A method of motion reproduction for calligraphy education. , 2013, , .		12
195	Bilateral control of two-mass resonant system based on concept of multilateral control. , 2013, , .		1
196	Robust motion-copying system using motion-data memory. , 2013, , .		12
197	Development of 5-axis polishing machine capable of simultaneous trajectory, posture, and force control. CIRP Annals - Manufacturing Technology, 2013, 62, 379-382.	1.7	39
198	Motion analysis of interaction mode control using principal component analysis. , 2013, , .		0

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199	Robust motion-tracking control for multilateral systems. , 2013, , .		0
200	Achievement of high scaling gain macro-micro bilateral control system. , 2013, , .		3
201	Control of Thermal Conductance of Peltier Device Using Heat Disturbance Observer. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2013, 185, 44-52.	0.2	2
202	Two-Degree-of-Freedom Robust Temperature Control of Peltier Device Based on Heat Disturbance Observer. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2013, 184, 66-74.	0.2	5
203	Time delay compensation method based on reflected wave rejection. , 2013, , .		2
204	Macro-micro bilateral control using Kalman filter based state observer for noise reduction and decoupling of modal space. , 2013, , .		3
205	Motion-copying system for different environmental impedance. , 2013, , .		3
206	Evaluation of QoS in haptic communication based on bilateral control. , 2013, , .		6
207	A design of four-channel bilateral control system under time delay based on hybrid parameters. , 2013, , .		1
208	Scaled bilateral control using Kalman Filter based state estimation for reduction of noise effect. , 2013, , .		3
209	Velocity control of MR-fluid clutch actuator based on disturbance observer. , 2013, , .		1
210	Frequency model of haptic information in rubbing motion. , 2013, , .		3
211	Performance enhancement of bilateral control with different control performances. , 2013, , .		0
212	Topology analysis of position information in multilateral communication system. , 2013, , .		0
213	Design of force compensator with variable gain for bilateral control system under time delay. , 2013, , .		3
214	Energy bilateral control for a new control scheme. , 2013, , .		0
215	Disturbance compensation based on data memory for macro-micro bilateral control. , 2013, , .		2
216	Motion-copying system using modal information for motion reproduction. , 2013, , .		7

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217	Motion-copying system for education system with variable reproductivity. , 2013, , .		2
218	Design for Sensorless Force Control of Flexible Robot by Using Resonance Ratio Control Based on Coefficient Diagram Method. <i>Automatika</i> , 2013, 54, 62-73.	1.2	49
219	Compensation of Integrated Resonant and Time Delay System by Using Wave Compensator. <i>Automatika</i> , 2013, 54, 28-38.	1.2	9
220	Optimization Method for Disturbance Compensation in Bilateral Control. <i>IEEJ Journal of Industry Applications</i> , 2013, 2, 113-120.	0.9	3
221	Functional Mode Estimation Using Principal Component Analysis of Grasping/Manipulating Motion. <i>IEEJ Journal of Industry Applications</i> , 2013, 2, 211-220.	0.9	4
222	Dynamic Data Reproduction of Contact Environment with State Transition. <i>IEEJ Journal of Industry Applications</i> , 2013, 2, 22-29.	0.9	11
223	Mode Switching Bilateral Control for Master-Slave Systems with Different Motion Areas. <i>IEEJ Journal of Industry Applications</i> , 2013, 2, 232-241.	0.9	3
224	Controller Design for Reproduction of Grasping/Manipulation Motion of Grasping Objects with Different Diameters. <i>IEEJ Journal of Industry Applications</i> , 2013, 2, 7-13.	0.9	5
225	G151051 Mechanical Energy Control Based on Calculus on the Space for Robot Control. <i>The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _G151051-1-_G151051-5.</i>	0.0	0
226	Bilateral Force Feedback Control for a Vehicle-Type Tele-Mobility System. <i>IEEJ Transactions on Industry Applications</i> , 2013, 133, 795-803.	0.1	0
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