

Hiroshi Fujimoto

List of Publications by Year in descending order

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378
papers

4,154
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218592

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times ranked

1984
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadrant Dynamic Programming for Optimizing Velocity of Ecological Adaptive Cruise Control. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1533-1544.	3.7	5
2	Pitch Angle Control by Regenerative Air Brake for Electric Aircraft. IEJ Journal of Industry Applications, 2022, 11, 308-316.	0.9	4
3	Effect of Harmonic Current Suppression on Iron Loss of IPMSM Using Repetitive Perfect Tracking Control. IEJ Journal of Industry Applications, 2022, 11, 317-326.	0.9	2
4	Effect of Dead Zone Compensation by Mass-Flow-Rate Twin-Drive System with Anti-Windup for Pressure Control System. IEJ Journal of Industry Applications, 2022, 11, 299-307.	0.9	2
5	Derivation of Dynamic Model of Two-Input-Two-Output Torque Difference Amplification Motor Drive System and Independent Left-and-Right Wheel Control with Decoupling Compensator. IEJ Journal of Industry Applications, 2022, 11, 427-436.	0.9	4
6	Frequency response data-based peak filter design applied to MIMO large-scale high-precision scan stage. Mechatronics, 2022, 83, 102733.	2.0	1
7	Negative Quadrant Glitch Suppression of Ball-screw-driven Stage by Initial Value Compensation with Additional Input. , 2022, , .		1
8	Frequency Response Data-based Multiple Peak Filter Design Applied to High-Precision Stage in Translation and Pitching. , 2022, , .		0
9	Application of Independent-Left-and-Right-Wheel-Driving Force Controller to Torque Vectoring Differential with Two-Input-Two-Output Motor Drive System for Electrified Vehicles. IEJ Transactions on Industry Applications, 2022, 142, 376-384.	0.1	0
10	Negative Quadrant Glitch Suppression Control of Ball-screw-driven Stage for Machine Tool by Friction Compensation and Initial Value Compensation. IEJ Transactions on Industry Applications, 2022, 142, 400-409.	0.1	0
11	Reduction of Magnetic Field by Low-order Harmonics in Magnetic Resonant Wireless Power Transfer System Using High-frequency Switching. IEJ Transactions on Industry Applications, 2022, 142, 385-392.	0.1	0
12	Novel Dynamic Wireless Power Transfer System Using In-Tire and In-Wheel Repeater Coil for Battery Electric Vehicles. IEJ Transactions on Industry Applications, 2022, 142, 344-353.	0.1	0
13	Active Model-Based Suppression of Secondary Ride for Electric Vehicles With In-Wheel Motors. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5637-5646.	3.7	2
14	Wireless EV Charging System Using PWM-Controlled Variable Capacitor for Maximum Power Transfer under Severe Coil Misalignment. , 2022, , .		5
15	Novel Dynamic Wireless Power Transfer System for Battery Electric Vehicles Using In-Tire and In-Wheel Repeater Coil. , 2022, , .		0
16	Comparison and Verification of Control and Filter Methods for Efficiency and Current Harmonic Components of a Dynamic Wireless Power Transfer System. IEJ Transactions on Industry Applications, 2022, 142, 516-525.	0.1	0
17	Acceleration Noise Suppression for Geared In-Wheel-Motor Vehicles Using Double Encoder. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 53-60.	3.0	4
18	Driving force controller considering lateral slip based on brush model for traction control of independent four-wheel drive electric vehicle. Electrical Engineering in Japan (English Translation of) Tj ETQq00.0 rgBT /Overlock 1		0

#	ARTICLE	IF	CITATIONS
19	Observer-based Angle of Attack Estimation for Tilt-Wing eVTOL Aircraft. , 2021, , .		1
20	Localization of Wheeled Mobile Robots from Slip Ratio Estimation with Simple Model. , 2021, , .		2
21	Multirate Feedforward Control based on Modal Form with Mode Selection Applied to Multi-Modal High-Precision Positioning Stage. , 2021, , .		0
22	Position-based High Backdrivable Control Using Load-side Encoder and Backlash. IEEJ Journal of Industry Applications, 2021, 10, 142-152.	0.9	4
23	Development of Reluctance Actuator for High-Precision Positioning and Scanning Motion. , 2021, , .		3
24	Two-Degree-of-Freedom Flow Rate Control for Pneumatic Valves using Fast Response Flow Meter. IEEJ Journal of Industry Applications, 2021, 10, 192-199.	0.9	2
25	Torque Ripple Reduction for PMSM based on PWM Pulse Merging Method for High Speed Range. , 2021, , .		0
26	Basic Study on Analysis and Suppression of Inverse Response Caused by Feedforward Friction Compensation of Ball-screw-driven Stage. , 2021, , .		5
27	High-precision Visual Servoing in Asteroid Flyby with Multirate Feedforward Control and Trajectory Estimation. , 2021, , .		1
28	Coil Scaling Law of Wireless Power Transfer Systems for Electromagnetic Field Leakage Evaluation for Electric Vehicles. IEEJ Transactions on Industry Applications, 2021, 141, 283-292.	0.1	2
29	Dynamic WPT Transmitting Through Fiber-Belt Tire and CFRP Wheel to In-Wheel Arc-Shaped Coil. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 113-121.	3.0	10
30	Model-based Filter Design for Triple Skyhook Control of In-Wheel Motor Vehicles for Ride Comfort. IEEJ Journal of Industry Applications, 2021, 10, 310-316.	0.9	5
31	Sensorless Metal Object Detection Using Transmission-Side Voltage Pulses in Standby Phase for Dynamic Wireless Power Transfer. , 2021, , .		7
32	Novel Synchronous Rectification Method for WPT Only by DC Current Sensor. , 2021, , .		1
33	Influence of Contamination Between Receiver Coil and Embedded Transmitter Coil for Dynamic Wireless Power Transfer System. , 2021, , .		7
34	Efficiency Evaluation of Receiving Current Control Using Pulse Density Modulation for Dynamic Wireless Power Transfer. , 2021, , .		4
35	Quasi Multirate Feedforward Current Control toward Nyquist Frequency of PWM for SPMSM. IEEJ Journal of Industry Applications, 2021, 10, 428-435.	0.9	2
36	Development of Dynamic Wireless Power Transfer Coils for 3rd Generation Wireless In-Wheel Motor. IEEJ Transactions on Industry Applications, 2021, 141, 638-645.	0.1	0

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37	Coil Scaling Law of Wireless Power Transfer Systems for Electromagnetic Field Leakage Evaluation for Electric Vehicles. IEEJ Journal of Industry Applications, 2021, 10, 589-597.	0.9	8
38	Dead Zone Compensation Method by Mass Flow Rate Twin Drive System for a Pneumatic Driving System. Journal of the Japan Society for Precision Engineering, 2021, 87, 759-764.	0.0	1
39	Development of dynamic wireless power transfer coils for 3rd generation wireless in-wheel motor. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2021, 214, e23354.	0.2	0
40	Coil Gap Variation Effects on Driving Based on Coil Mounting Position in Dynamic Wireless Power Transfer System. IEEJ Transactions on Industry Applications, 2021, 141, 985-994.	0.1	3
41	Improving Intersample Behavior in Discrete-Time System Inversion: With Application to LTI and LPTV Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 55-65.	3.7	6
42	Wheel Slip Control for the Electric Vehicle With In-Wheel Motors: Variable Structure and Sliding Mode Methods. IEEE Transactions on Industrial Electronics, 2020, 67, 8535-8544.	5.2	43
43	Potential for CO2 Reduction by Dynamic Wireless Power Transfer for Passenger Vehicles in Japan. Energies, 2020, 13, 3342.	1.6	27
44	MIMO multirate feedforward controller design with selection of input multiplicities and intersample behavior analysis. Mechatronics, 2020, 71, 102442.	2.0	3
45	Descent Angle Control by Regenerative Air Brake Using Observer-based Thrust Control for Electric Aircraft. , 2020, , .		2
46	Proposal of Automatic Power Plug Insertion Control for Electric Vehicle with In-Wheel-Motors. , 2020, , .		0
47	Minimum-Variance Load-Side External Torque Estimation Robust Against Modeling and Measurement Errors. IEEJ Journal of Industry Applications, 2020, 9, 117-124.	0.9	9
48	Simple Tuning and Low-Computational-Cost Controller for Enhancing Energy Efficiency of Autonomous-Driving Electric Vehicles. IEEJ Journal of Industry Applications, 2020, 9, 358-365.	0.9	6
49	Vibration Suppression Control with Frequency Shaping for Mechanical Cooler of High Precision Observation Satellite. The Proceedings of the International Conference on Motion and Vibration Control, 2020, 2020.15, 10084.	0.0	0
50	Model-based Control Techniques for Large-Scale High-Precision Stage. IEEJ Transactions on Industry Applications, 2020, 140, 272-280.	0.1	0
51	Transient Control Based on Transmitter Current Envelope Model for In-motion Wireless Power Transfer. IEEJ Transactions on Industry Applications, 2020, 140, 356-363.	0.1	2
52	Recent Advancements in Continuous Wheel Slip Control. Lecture Notes in Mechanical Engineering, 2020, , 1525-1535.	0.3	1
53	Peak Filter Tuning based on Disturbance Spectrum for MIMO High-Precision Scan Stage. IFAC-PapersOnLine, 2020, 53, 8413-8418.	0.5	2
54	Range Extension Autonomous Driving for Electric Vehicles Based on Optimization of Velocity Profile Considering Traffic Signal Information. Power Electronics and Power Systems, 2020, , 67-84.	0.6	0

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55	Automatic adjustment method for cascade control system based on iterative setting of stability-margin criterion circle. IFAC-PapersOnLine, 2020, 53, 8333-8338.	0.5	2
56	Projection-based Iterative Learning Control for Ball-screw-driven Stage with Consideration of Rolling Friction Compensation. IEEJ Journal of Industry Applications, 2020, 9, 132-139.	0.9	12
57	Driving Force Controller Considering Lateral Slip based on Brush Model for Traction Control of Independent-Four-Wheel-Drive Electric Vehicle. IEEJ Transactions on Industry Applications, 2020, 140, 281-288.	0.1	0
58	Force Control of In-Wheel-Motored Electric Vehicles. IEEJ Journal of Industry Applications, 2020, 9, 384-391.	0.9	9
59	Human-friendly Acceleration Control for Mobile Cart with Torque Sensor Built in Driving Shaft. IEEJ Journal of Industry Applications, 2020, 9, 629-636.	0.9	2
60	Development of Wireless In-wheel Motors for Dynamic Charging: From 2nd to 3rd generation. , 2020, , .		35
61	Controller design of mass flow rate loop for high-precision pneumatic actuator. , 2020, , .		3
62	Basic Idea of Quadrant Dynamic Programming for Adaptive Cruise Control to Create Energy Efficient Velocity Trajectory of Electric Vehicle. , 2020, , .		3
63	Basic Study on Regenerative Air Brake Using Observer-based Thrust Control for Electric Airplane. , 2020, , .		3
64	Sensorless Vehicle Detection Using Vehicle Side Voltage Pulses for In-motion WPT. , 2020, , .		6
65	Sensorless Vehicle Position Detection in Electric Vehicle by Logistic Estimation Function of Mutual Inductance. , 2020, , .		5
66	Feedforward Transient Control Under Varying Coupling Condition for In-motion Wireless Power Transfer Using Envelope Model. , 2020, , .		5
67	Resonance Frequency Adjustment Using PWM-Controlled Variable Capacitor for In-Motion WPT with Circuit Parameter Deviations. , 2020, , .		6
68	The Simultaneous Estimation Method of Terrain Parameter and Vehicle Dynamics Variables for Agricultural Vehicle. , 2019, , .		2
69	Stop Position Estimation for Automatic Stop Control of Electric Vehicle in Semi-Dynamic Wireless Charging System. , 2019, , .		5
70	Gear Collision Reduction of In-Wheel-Motor by Joint Torque Control Using Load-Side High-Resolution Encoder. , 2019, , .		3
71	Preactuated Multirate Feedforward Control for Independent Stable Inversion of Unstable Intrinsic and Discretization Zeros. IEEE/ASME Transactions on Mechatronics, 2019, 24, 863-871.	3.7	19
72	Slip control for IWM vehicles based on hierarchical LQR. Control Engineering Practice, 2019, 93, 104179.	3.2	28

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73	Reduction of sixth-order radial force by harmonic current control and its application to EPS motors. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2019, 209, 45-56.	0.2	1
74	Driving Force Controller for Electric Vehicle Considering Sideslip Angle Based on Brush Model. , 2019, , .		1
75	Feedforward Transient Control for In-Motion Wireless Power Transfer Using Envelope Model. , 2019, , .		3
76	Secondary-side-only Phase-shifting Voltage Stabilization Control with a Single Converter for WPT Systems with Constant Power Load. IEEJ Journal of Industry Applications, 2019, 8, 66-74.	0.9	14
77	Perfect Tracking Control Considering Generalized Controllability Indices and Application for High-Precision Stage in Translation and Pitching. IEEJ Journal of Industry Applications, 2019, 8, 263-270.	0.9	9
78	Backlash Identification in Two-Mass Systems by Delayed Relay Feedback. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	8
79	Precise Joint Torque Control Method for Two-inertia System with Backlash Using Load-side Encoder. IEEJ Journal of Industry Applications, 2019, 8, 75-83.	0.9	37
80	State Trajectory Generation for MIMO Multirate Feedforward using Singular Value Decomposition and Time Axis Reversal. , 2019, , .		0
81	System Inversion for Sampled-Data Feedforward Control: Balancing On-Sample and Intersample Behavior. , 2019, , .		0
82	High-Efficiency Operation of Wireless In-Wheel Motor at Low Load Using Intermittent Synchronous Rectification with Improved Transient Stability. , 2019, , .		5
83	RRT-Based Path Planning Considering Initial and Final Pose under Curvature Constraints for Nonholonomic Wheeled Robot. , 2019, , .		3
84	Feasibility Study on In-motion Wireless Power Transfer System Before Traffic Lights Section. , 2019, , .		11
85	Driving Force Controller with Variable Slip Ratio Limiter for Electric Vehicle Considering Lateral Slip Based on Brush Model. , 2019, , .		2
86	Projection-based Iterative Learning Control for Ball-screw-driven Stage Using Basis Function and Data-based Friction Model. , 2019, , .		2
87	Charging Infrastructure Design for In-motion WPT Based on Sensorless Vehicle Detection System. , 2019, , .		15
88	Mutual Inductance Modeling of In-Wheel Arc-Shaped Coil for In-Motion WPT. , 2019, , .		1
89	Intersample Behavior Analysis of MIMO Multirate Feedforward Control depending on Selection of Input Multiplicities. IFAC-PapersOnLine, 2019, 52, 163-168.	0.5	0
90	Sensorless Automatic Stop Control of Electric Vehicle in Semi-dynamic Wireless Power Transfer System with Two Transmitter Coils. , 2019, , .		0

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91	Sensorless Vehicle Detection Using Voltage Pulses with Envelope Model for In-motion Wireless Power Transfer System. , 2019, , .		2
92	Performance Benchmark of Yaw Rate Controllers by Active Front Steering: Comparative Analysis of Model Predictive Control, Linear Quadratic Integral Control and Yaw Moment Observer. , 2019, , .		3
93	Gear Collision Reduction of Geared In-Wheel-Motor by Effective Use of Load-Side Encoder. , 2019, , .		6
94	Automatic adjustment method of controller structure and parameter based on Structured H _∞ control. , 2019, , .		5
95	Range Extension Autonomous Driving for Electric Vehicle Based on Optimal Vehicle Velocity Profile in Consideration of Cornering. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq1 1 0.7843d.4 rgBT /@verlock 10		10
96	Decoupling Control of High-Precision Positioning Stages by using a Center of Rotation and Center of Gravity Hybrid-Driven Method with Additional Actuators. IEEJ Transactions on Industry Applications, 2019, 139, 480-487.	0.1	0
97	Efficiency Maximization in Wireless Power Transfer Systems for Resonance Frequency Mismatch. , 2019, , .		3
98	Resistance Reduction of Capacitor-less and Ferrite-less 85kHz Self-resonant Coil for Dynamic Wireless Power Transfer. IEEJ Transactions on Industry Applications, 2019, 139, 734-742.	0.1	0
99	Allocation of Wireless Power Transfer System From Viewpoint of Optimal Control Problem for Autonomous Driving Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3255-3270.	4.7	21
100	Dynamics Control for EVs. , 2018, , 309-337.		4
101	Proposal of Lateral Force Disturbance Estimation Method for In-Wheel-Motored Electric Vehicles. , 2018, , .		0
102	Development of Multi-Axis High-Precision Stage Using Multistep Wireless Power Transfer. , 2018, , .		1
103	Comparison of Soft-Starting Methods for In-Motion Charging of Electric Vehicles to Suppress Start-up Current Overshoot in Wireless Power Transfer System. , 2018, , .		8
104	Soft-Start Control Method for In-motion Charging of Electric Vehicles Based on Transient Analysis of Wireless Power Transfer System. , 2018, , .		5
105	Basic Study on Arrangement Design of In-Motion Charging Facility on Urban Roads. , 2018, , .		6
106	Multirate Feedforward Control Based on Modal Form. , 2018, , .		3
107	Finite Time Optimal Preactuation for Non-Minimum Phase Systems Considering Control Input and Tracking Error Constraints. , 2018, , .		3
108	State Trajectory Generation of MIMO Multirate Feedforward for Perfect Tracking Control in High-Precision Stage. , 2018, , .		0

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109	Driving Test Evaluation of Sensorless Vehicle Detection Method for In-motion Wireless Power Transfer. , 2018, , .		7
110	Fundamental Study on Driving Force Control Method for Independent-Four-Wheel-Drive Electric Vehicle Considering Tire Slip Angle. , 2018, , .		4
111	Secondary-side-only Control for Smooth Voltage Stabilization in Wireless Power Transfer Systems with Constant Power Load. , 2018, , .		1
112	Filtered Disturbance Observer for High Backdrivable Robot Joint. , 2018, , .		7
113	Maximum Efficiency Operation in Wider Output Power Range of Wireless In-Wheel Motor with Wheel-Side Supercapacitor. , 2018, , .		4
114	Perfect Tracking Control Method by Multirate Feedforward and State Trajectory Generation based on Time Axis Reversal. IEEJ Journal of Industry Applications, 2018, 7, 93-101.	0.9	3
115	Minimum Variance Estimation of Load-side External Torque Using Load-side Encoder and Torque Sensor. , 2018, , .		2
116	Vision-Based Lateral State Estimation for Integrated Control of Automated Vehicles Considering Multirate and Unevenly Delayed Measurements. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2619-2627.	3.7	27
117	Effective Tire Force Vector Control and Maximization Method for Independent-Four-Wheel-Drive Electric Vehicle. , 2018, , .		4
118	Iterative Dynamic Programming for Optimal Control Problem with Isoperimetric Constraint and Its Application to Optimal Eco-driving Control of Electric Vehicle. IEEJ Journal of Industry Applications, 2018, 7, 80-92.	0.9	17
119	Proposal of State-Dependent Minimum Variance Estimation of Load-Side External Torque Considering Modeling and Measurement Errors. , 2018, , .		2
120	Optimal State Trajectory Regeneration for Nonminimum Phase Systems: No Preaction Approach. , 2018, , .		0
121	Precise External Torque Estimation for Two-Inertia System Considering Modeling Errors. , 2018, , .		4
122	Total thrust control method with propeller and electrically driven wheel for electric aircraft. , 2018, , .		0
123	Piecewise affine (PWA) modeling and switched damping control of two-inertia systems with backlash. , 2018, , .		9
124	Vibration suppression control for two-inertia system using reference governor. , 2018, , .		0
125	Simultaneous Optimization of Speed Profile and Allocation of Wireless Power Transfer System for Autonomous Driving Electric Vehicles. IEEJ Journal of Industry Applications, 2018, 7, 189-201.	0.9	27
126	Acoustic Wave Equation Based Modeling and Collocated Side Vibration Cancellation for Pneumatic Cylinder. IEEJ Journal of Industry Applications, 2018, 7, 109-116.	0.9	4

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127	Power-Flow Control Method for Wireless In-Wheel Motor with Supercapacitor. IEEJ Transactions on Industry Applications, 2018, 138, 219-226.	0.1	0
128	Robust Yaw Stability Control for In-Wheel Motor Electric Vehicles. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1360-1370.	3.7	103
129	Novel Transmitting Power Control Method without Signal Communication for Wireless Power Transfer via Magnetic Resonance Coupling. Electrical Engineering in Japan (English Translation of Tj ETQq1 1 0.784314 rgBT#Overlock	0.0	0
130	Research on Maximizing Power Transfer Efficiency of Wireless In-Wheel Motor by Primary and Load-Side Voltage Control. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq0 0 0 rgBT#Overlock 10 Tf 50 6	0.0	0
131	Identification of System Dynamics with Time Delay: a Two-Stage Frequency Domain Approach. IFAC-PapersOnLine, 2017, 50, 10870-10875.	0.5	3
132	Highly efficient organic light-emitting diodes with completely oriented delayed fluorescent emitters. , 2017, , .		0
133	Driving force control for electric vehicles with four in-wheel-motors on split-friction surfaces. , 2017, , .		0
134	Driving Force Distribution and Control for EV With Four In-Wheel Motors: A Case Study of Acceleration on Split-Friction Surfaces. IEEE Transactions on Industrial Electronics, 2017, 64, 3380-3388.	5.2	73
135	Control-oriented modelling and experimental modal analysis of Electric Vehicles with geared In-Wheel Motors. , 2017, , .		6
136	Preactuated multirate feedforward for a high-precision stage with continuous time unstable zeros. IFAC-PapersOnLine, 2017, 50, 10907-10912.	0.5	5
137	External sensorless adaptive chatter avoidance in NC machining by applying disturbance observer using high resolution linear encoder. , 2017, , .		1
138	Moving coil type wireless linear motor based on magnetic resonance coupling. , 2017, , .		5
139	Adaptive spindle-speed selection for chatter avoidance to achieve high-precision NC machining based on semi-discretization method. , 2017, , .		2
140	Model-based longitudinal vibration suppression control for electric vehicles with geared in-wheel motors. , 2017, , .		3
141	Design of load-side external force observer with a load-side encoder considering modeling errors. , 2017, , .		6
142	Robot joint angle control based on Self Resonance Cancellation using double encoders. , 2017, , .		6
143	Range Extension Autonomous Driving for Electric Vehicle Based on Optimal Vehicle Velocity Profile in Consideration of Cornering. IEEJ Transactions on Industry Applications, 2017, 137, 899-907.	0.1	4
144	Cooperative Range Extension Autonomous Driving of Electric Vehicles Considering Inter-Vehicular Distance. The Proceedings of the Transportation and Logistics Conference, 2017, 2017.26, 2001.	0.0	1

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145	Study on High Efficiency and High Response of Regeneration for Wireless In-wheel Motor. IEEJ Transactions on Industry Applications, 2017, 137, 36-43.	0.1	1
146	Trajectory Tracking Control for Precision Servo Technology. Journal of the Institute of Electrical Engineers of Japan, 2017, 137, 11-14.	0.0	1
147	High-Speed Force Curve Measurement based on Atomic Force Observer. IEEJ Transactions on Industry Applications, 2017, 137, 753-759.	0.1	0
148	Perfect Tracking Control Method by Multirate Feedforward and State Trajectory Generation based on Time Axis Reversal. IEEJ Transactions on Industry Applications, 2017, 137, 469-477.	0.1	0
149	Ultra-Fast Motion Control. , 2017, , 107-136.		1
150	Upper-Bound-Based State Estimation with Large-Time-Delay Measurement and Its Applications to Motion Control. IEEJ Journal of Industry Applications, 2016, 5, 303-313.	0.9	2
151	Decoupling Control Method for High-Precision Stages using Multiple Actuators considering the Misalignment among the Actuation Point, Center of Gravity, and Center of Rotation. IEEJ Journal of Industry Applications, 2016, 5, 141-147.	0.9	20
152	Range Extension Autonomous Driving for Electric Vehicles Based on Optimal Velocity Trajectory Generation and Front-Rear Driving-Braking Force Distribution. IEEJ Journal of Industry Applications, 2016, 5, 228-235.	0.9	23
153	Lateral State Estimation for Lane Keeping Control of Electric Vehicles Considering Sensor Sampling Mismatch Issue. , 2016, , .		1
154	Fundamental Research on Control Method for Power Conversion Circuit of Wireless In-wheel Motor Using Magnetic Resonance Coupling. Electrical Engineering in Japan (English Translation of Denki) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
155	Adaptive vibration suppression perfect tracking control for linear time-varying systems with application to ball-screw feed drives. , 2016, , .		4
156	Method of Shortening Settling Time Using Final State Control for High-Precision Stage with Decouplable Structure of Fine and Coarse Parts. Electrical Engineering in Japan (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
157	Joint torque control for backlash compensation in two-inertia system. , 2016, , .		9
158	Tracking control method for a plant with continuous time unstable zeros: Finite preactuation based on state trajectory regeneration by using redundant order polynomial. , 2016, , .		3
159	Power management of Wireless In-Wheel Motor by SOC control of wheel side Lithium-ion Capacitor. , 2016, , .		3
160	Proposal of high backdrivable control using load-side encoder and backlash. , 2016, , .		6
161	B-spline parametrized solution of robust PID control using the generalized KYP lemma. , 2016, , .		1
162	Multirate feedforward control with state trajectory generation based on time axis reversal for plant with continuous time unstable zeros. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
163	Model for loss calculation of wireless in-wheel motor concept based on magnetic resonant coupling. , 2016, , .		6
164	Fundamental study for a fractional order repetitive control using Generalized Repetitive Control for high precision motor control. , 2016, , .		0
165	Decoupling control by the center of rotation and gravity hybrid-driven method for high-precision scan stage with multiple actuators. , 2016, , .		1
166	Stability analysis of tire force distribution for multi-actuator electric vehicles using generalized frequency variable. , 2016, , .		6
167	Reduction of impact force by model prediction and final-state control for a high precision catapult stage. , 2016, , .		3
168	Trajectory tracking control for pneumatic actuated scan stage with time delay compensation. , 2016, , .		5
169	Sudden disturbance suppression control considering constraints for high-precision stage using Reference Governor. , 2016, , .		3
170	Glocal motion control system of in-wheel-motor electric vehicles based on driving force distribution. , 2016, , .		9
171	Development of Wireless In-Wheel Motor Using Magnetic Resonance Coupling. IEEE Transactions on Power Electronics, 2016, 31, 5270-5278.	5.4	142
172	Novel Transmitting Power Control Method without Signal Communication for Wireless Power Transfer via Magnetic Resonance Coupling. IEEJ Transactions on Industry Applications, 2016, 136, 222-231.	0.1	6
173	Development of Wireless In-Wheel Motor. Journal of the Institute of Electrical Engineers of Japan, 2016, 136, 683-686.	0.0	0
174	Proposal of Self Resonance Cancellation Control without using drive-side information. , 2015, , .		6
175	Design of an adaptive sliding mode controller for robust yaw stabilisation of in-wheel-motor-driven electric vehicles. International Journal of Vehicle Design, 2015, 67, 98.	0.1	30
176	Bench test of minimum time autonomous driving for electric vehicle based on optimization of velocity profile considering energy constraint. , 2015, , .		6
177	Minimum collision avoidance distance control for four-wheel-driven electric vehicles with active front and rear steerings. , 2015, , .		1
178	Robust Yaw-moment Control for electric vehicles. , 2015, , .		0
179	Range extension autonomous driving for electric vehicles based on optimal velocity trajectory and driving braking force distribution considering road gradient information. , 2015, , .		13
180	Integrated design of mechanism and control for high-precision stages by the interaction index in the Direct Nyquist Array method. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
181	Operating point setting method for wireless power transfer with constant voltage load. , 2015, , .		9
182	Joint torque control for two-inertia system with encoders on drive and load sides. , 2015, , .		26
183	Experimental verification of chatter suppression in end milling process using cooperative control of spindle and stage motors. , 2015, , .		0
184	Application of mode switching control using initial state variables in constraint final-state control to high-precision dual stage. , 2015, , .		4
185	Mechanical Deformation Analysis and High-Precision Control for Ball-Screw-Driven Stages. IEEE/ASME Transactions on Mechatronics, 2015, 20, 956-966.	3.7	21
186	Feasible trajectory generation for a dual stage positioning system using a simplified model predictive control approach. , 2015, , .		1
187	Model-Based Range Extension Control System for Electric Vehicles With Front and Rear Driving-Braking Force Distributions. IEEE Transactions on Industrial Electronics, 2015, 62, 3245-3254.	5.2	106
188	Fusion of large-time-delay measurement with non-delay measurement based on upper-bound scheme. , 2015, , .		1
189	Generation method of admissible sets for mode switching control using final-state control with thrust limitation. , 2015, , .		1
190	Lift control of electric airplanes by using propeller slipstream for safe landing. , 2015, , .		3
191	Estimation and control of lateral displacement of electric vehicle using WPT information. , 2015, , .		7
192	Basic study of transmitting power control method without signal communication for Wireless In-Wheel Motor via magnetic resonance coupling. , 2015, , .		21
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194	Stability analysis of constant power load and load voltage control method for Wireless In-Wheel Motor. , 2015, , .		13
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