

Yoichi Hori

List of Publications by Year in descending order

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214
papers

5,340
citations

136885

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110317

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all docs

214
docs citations

214
times ranked

3364
citing authors

#	ARTICLE	IF	CITATIONS
1	Cars and Energy in the Future â€”Paradigm Shift to Motor/Capacitor/Wirelessâ€”™. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 318-324.	0.8	2
2	Proposal and Evaluation of High-Heat Insulation System for Spacecraft by Using WPT. , 2022, , .		1
3	Localization of Wheeled Mobile Robots from Slip Ratio Estimation with Simple Model. , 2021, , .		2
4	High-precision Visual Servoing in Asteroid Flyby with Multirate Feedforward Control and Trajectory Estimation. , 2021, , .		1
5	Comparison of Four Resonant Topologies Based on Unified Design Procedure for Capacitive Power Transfer. IEEJ Journal of Industry Applications, 2021, 10, 339-347.	0.9	5
6	Evaluation of Lower Limb Neuromuscular System Observability and Estimability of Muscle Activity. Journal of Motor Behavior, 2020, 52, 427-443.	0.5	1
7	Proposal of Automatic Power Plug Insertion Control for Electric Vehicle with In-Wheel-Motors. , 2020, , .		0
8	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
9	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
10	PV MPPT Control under Partial Shading Conditions with a Particle Replacement Gaussian Particle Swarm Optimization Method. IEEJ Journal of Industry Applications, 2020, 9, 418-427.	0.9	9
11	Wireless Power Transfer System Design with Power Management Strategy Control for Lunar Rover. IEEJ Journal of Industry Applications, 2020, 9, 392-400.	0.9	10
12	A Novel Particle Jump Particle Swarm Optimization Method for PV MPPT Control under Partial Shading Conditions. IEEJ Journal of Industry Applications, 2020, 9, 435-443.	0.9	13
13	Sensorless Vehicle Position Detection in Electric Vehicle by Logistic Estimation Function of Mutual Inductance. , 2020, , .		5
14	Resonance Frequency Adjustment Using PWM-Controlled Variable Capacitor for In-Motion WPT with Circuit Parameter Deviations. , 2020, , .		6
15	Slip control for IWM vehicles based on hierarchical LQR. Control Engineering Practice, 2019, 93, 104179.	3.2	28
16	Feedforward Transient Control for In-Motion Wireless Power Transfer Using Envelope Model. , 2019, , .		3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Effect of Resonance Frequency Mismatch for Transmission Power in Wireless Power Transfer System. , 2019, , .		1
20	Charging Infrastructure Design for In-motion WPT Based on Sensorless Vehicle Detection System. , 2019, , .		15
21	Sensorless Automatic Stop Control of Electric Vehicle in Semi-dynamic Wireless Power Transfer System with Two Transmitter Coils. , 2019, , .		0
22	Sensorless Vehicle Detection Using Voltage Pulses with Envelope Model for In-motion Wireless Power Transfer System. , 2019, , .		2
23	Efficiency Maximization in Wireless Power Transfer Systems for Resonance Frequency Mismatch. , 2019, , .		3
24	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
25	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
26	Soft-Start Control Method for In-motion Charging of Electric Vehicles Based on Transient Analysis of Wireless Power Transfer System. , 2018, , .		5
27	SS and SP Topology Analysis for Capacitive Power Transfer with Resonance Coupling Based on Power Factor Consideration. , 2018, , .		10
28	Driving Test Evaluation of Sensorless Vehicle Detection Method for In-motion Wireless Power Transfer. , 2018, , .		7
29	Secondary-side-only Control for Smooth Voltage Stabilization in Wireless Power Transfer Systems with Constant Power Load. , 2018, , .		1
30	Basic Study of Solar Battery Powered Wireless Power Transfer System with MPPT Mode and DC Bus Stabilization for Lunar Rover. , 2018, , .		1
31	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
32	Force control of twisted and coiled polymer actuators via active control of electrical heating and forced convective liquid cooling. Advanced Robotics, 2018, 32, 736-749.	1.1	11
33	Scaling Law of Coupling Coefficient and Coil Size in Wireless Power Transfer Design via Magnetic Coupling. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2018, 202, 21-30.	0.2	13
34	Primary-Side Efficiency Control of Wireless Power Transfer Systems Based on Secondary-Side Power Control with Half Active Rectifier. IEEJ Transactions on Industry Applications, 2018, 138, 22-29.	0.1	4
35	Proposal of Classification and Design Strategies for Wireless Power Transfer Based on Specification of Transmitter-Side and Receiver-Side Voltages and Power Requirements. IEEJ Transactions on Industry Applications, 2018, 138, 330-339.	0.1	7
36	Unified Theory of Electromagnetic Induction and Magnetic Resonant Coupling. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2017, 199, 58-80.	0.2	7

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37	Robust Yaw Stability Control for In-Wheel Motor Electric Vehicles. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1360-1370.	3.7	103
38	Maximum efficiency control of wireless power transfer systems with Half Active Rectifier based on primary current measurement. , 2017, , .		4
39	Applicability study on wireless power transfer in monitoring for geological disposal. Journal of Nuclear Fuel Cycle and Environment, 2017, 24, 45-52.	0.1	0
40	Secondary-side-only Control for High Efficiency and Desired Power with Two Converters in Wireless Power Transfer Systems. IEEJ Journal of Industry Applications, 2017, 6, 473-481.	0.9	28
41	Simultaneous Estimation of Two Parameters Based on Secondary-Side Information for Wireless Power Transfer via Magnetic Resonance Coupling. IEEJ Transactions on Industry Applications, 2017, 137, 104-111.	0.1	3
42	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
43	Scaling Law of Coupling Coefficient and Coil Size in Wireless Power Transfer Design via Magnetic Coupling. IEEJ Transactions on Industry Applications, 2017, 137, 326-333.	0.1	4
44	Design Method of Multi-Band Coil using High Order Resonance in Wireless Power Transfer. IEEJ Transactions on Industry Applications, 2017, 137, 526-533.	0.1	0
45	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
46	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
47	Study on Energy System Configuration of Wireless In-Wheel Motor with Supercapacitor. World Electric Vehicle Journal, 2016, 8, 263-273.	1.6	2
48	Lateral State Estimation for Lane Keeping Control of Electric Vehicles Considering Sensor Sampling Mismatch Issue. , 2016, , .		1
49	Efficiency maximization of wireless power transfer based on simultaneous estimation of generalized two parameters. , 2016, , .		4
50	Efficiency maximization of wireless power transfer based on simultaneous estimation of primary voltage and mutual inductance using secondary-side information. , 2016, , .		4
51	Power management of Wireless In-Wheel Motor by SOC control of wheel side Lithium-ion Capacitor. , 2016, , .		3
52	Superiority of magnetic resonant coupling at large air gap in wireless power transfer. , 2016, , .		1
53	Capacity Design of Supercapacitor&Battery Hybrid Energy System with Repetitive Charging. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2016, 197, 58-66.	0.2	3
54	Dynamic wireless power transfer system for electric vehicles to simplify ground facilities - power control and efficiency maximization on the secondary side. , 2016, , .		42

#	ARTICLE	IF	CITATIONS
55	Design of multi-frequency coil for capacitor-less wireless power transfer using high order self-resonance of open end coil. , 2016, , .		10
56	Real-time Maximum Efficiency Control in Dynamic Wireless Power Transfer System. IEEJ Transactions on Industry Applications, 2016, 136, 425-432.	0.1	13
57	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
58	Wheel Slip Control for Improving Traction-Ability and Energy Efficiency of a Personal Electric Vehicle. Energies, 2015, 8, 6820-6840.	1.6	62
59	Maximum efficiency control of wireless power transfer via magnetic resonant coupling considering dynamics of DC-DC converter for moving electric vehicles. , 2015, , .		24
60	Robust Yaw-moment Control for electric vehicles. , 2015, , .		0
61	Analysis and experiment on harmonic current distortion in wireless power transfer system using a diode rectifier. , 2015, , .		2
62	Inverse muscle group activity estimation based on neuromusculoskeletal system model. , 2015, , .		1
63	Coupling Coefficients Estimation of Wireless Power Transfer System via Magnetic Resonance Coupling Using Information From Either Side of the System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 191-200.	3.7	116
64	Human-Friendly Motion Control of Power-Assisted Wheelchair. Springer Tracts in Advanced Robotics, 2015, , 339-369.	0.3	2
65	Fusion of large-time-delay measurement with non-delay measurement based on upper-bound scheme. , 2015, , .		1
66	Two-transmitter wireless power transfer with LCL circuit for continuous power in dynamic charging. , 2015, , .		9
67	Notice of Removal Power flow control of magnetic resonance wireless charging for hybrid energy storage system of electric vehicles application. , 2015, , .		2
68	Wireless charging power control for HESS through receiver side voltage control. , 2015, , .		25
69	Load Current Feedforward Control of Boost Converter for Downsizing the Output Filter Capacitor. IEEJ Transactions on Industry Applications, 2015, 135, 457-466.	0.1	4
70	Unified Theory of Electromagnetic Induction and Magnetic Resonant Coupling. IEEJ Transactions on Industry Applications, 2015, 135, 697-710.	0.1	48
71	Capacity Design of Supercapacitor-Battery Hybrid Energy System with Repetitive Charging. IEEJ Transactions on Industry Applications, 2015, 135, 898-905.	0.1	0
72	Vibration Suppression Control of Two-Inertia System without Using Drive-Side Information by Applying High-Resolution Encoder. IEEJ Transactions on Industry Applications, 2015, 135, 212-219.	0.1	2

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73	Independent Control of Maximum Transmission Efficiency by the Transmitter Side and Power by the Receiver Side for Wireless Power Transfer. IEEJ Transactions on Industry Applications, 2015, 135, 847-854.	0.1	6
74	Driving Force Control of Electric Vehicles with Estimation of Slip Ratio Limitation Considering Tire Side Slip. Transactions of the Society of Instrument and Control Engineers, 2014, 50, 259-265.	0.1	2
75	Comparing Approaches for Actuator Redundancy Resolution in Biarticularly-Actuated Robot Arms. IEEE/ASME Transactions on Mechatronics, 2014, 19, 765-776.	3.7	33
76	One-handed propulsion control of power-assisted wheelchair with advanced turning mode. , 2014, , .		5
77	Disturbance Attenuation Control for Power-Assist Wheelchair Operation on Slopes. IEEE Transactions on Control Systems Technology, 2014, 22, 828-837.	3.2	24
78	Operation state observation and condition recognition for the control of power-assisted wheelchair. Mechatronics, 2014, 24, 1101-1111.	2.0	19
79	Dual rate Kalman filter considering delayed measurement and its application in visual servo. , 2014, , .		5
80	Multirate Estimation and Control of Body Slip Angle for Electric Vehicles Based on Onboard Vision System. IEEE Transactions on Industrial Electronics, 2014, 61, 1133-1143.	5.2	82
81	Advanced Motion Control of Electric Vehicles Based on Robust Lateral Tire Force Control via Active Front Steering. IEEE/ASME Transactions on Mechatronics, 2014, 19, 289-299.	3.7	102
82	Impedance Matching and Power Division Using Impedance Inverter for Wireless Power Transfer via Magnetic Resonant Coupling. IEEE Transactions on Industry Applications, 2014, 50, 2061-2070.	3.3	105
83	Design and Analysis of Force-Sensor-Less Power-Assist Control. IEEE Transactions on Industrial Electronics, 2014, 61, 985-993.	5.2	68
84	Robust Resonance Suppression Control based on Self Resonance Cancellation Control and Self Resonance Cancellation Disturbance Observer for Application to Humanoid Robot. IEEJ Transactions on Industry Applications, 2014, 134, 376-383.	0.1	4
85	Speed Sensorless Vector Controlled Induction Motor Drive Using Single Current Sensor. IEEE Transactions on Energy Conversion, 2013, 28, 938-950.	3.7	70
86	Improving EV lateral dynamics control using infinity norm approach with closed-form solution. , 2013, , .		3
87	Study on maximize efficiency by secondary side control using DC-DC converter in wireless power transfer via magnetic resonant coupling. , 2013, , .		47
88	Estimation of Sideslip and Roll Angles of Electric Vehicles Using Lateral Tire Force Sensors Through RLS and Kalman Filter Approaches. IEEE Transactions on Industrial Electronics, 2013, 60, 988-1000.	5.2	198
89	Automated Impedance Matching System for Robust Wireless Power Transfer via Magnetic Resonance Coupling. IEEE Transactions on Industrial Electronics, 2013, 60, 3689-3698.	5.2	399
90	Electric vehicle stability control based on disturbance accommodating Kalman filter using GPS. , 2013, , .		3

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91	A new model reference adaptive formulation to estimate stator resistance in field oriented induction motor drive. , 2013, , .		13
92	Simulation study on stabilization of a spring-loaded robotic leg using state feedback. , 2013, , .		0
93	Fast and accurate vision-based positioning control employing multi-rate Kalman filter. , 2013, , .		8
94	Non-linear phase different control for precise output force of bi-articularly actuated manipulators. Advanced Robotics, 2013, 27, 109-120.	1.1	16
95	Four-wheel Driving-force Distribution Method for Instantaneous or Split Slippery Roads for Electric Vehicle. Automatika, 2013, 54, 103-113.	1.2	36
96	Multi-rate Kalman Filter Design for Electric Vehicles Control based on Onboard Vision System with Uneven Time Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 431-436.	0.4	1
97	Lateral Stability Control of Electric Vehicle Based On Disturbance Accommodating Kalman Filter using the Integration of Single Antenna GPS Receiver and Yaw Rate Sensor. Journal of Electrical Engineering and Technology, 2013, 8, 899-910.	1.2	26
98	Analysis of actuator redundancy resolution methods for bi-articularly actuated robot arms. , 2012, , .		3
99	Leg space observer on biarticular actuated two-link manipulator for realizing spring loaded inverted pendulum model. , 2012, , .		8
100	Motion control of electric vehicles based on robust lateral tire force control using lateral tire force sensors. , 2012, , .		3
101	A fault detection and isolation scheme for lateral vehicle dynamics of EVs using a quantitative parity space approach. , 2012, , .		2
102	A New Model Reference Adaptive Controller for Four Quadrant Vector Controlled Induction Motor Drives. IEEE Transactions on Industrial Electronics, 2012, 59, 3757-3767.	5.2	168
103	An Adaptive Speed Sensorless Induction Motor Drive With Artificial Neural Network for Stability Enhancement. IEEE Transactions on Industrial Informatics, 2012, 8, 757-766.	7.2	122
104	New characteristics analysis considering transmission distance and load variation in wireless power transfer via magnetic resonant coupling. , 2012, , .		49
105	Sideslip angle estimation using gps and disturbance accommodating multi-rate Kalman filter for electric vehicle stability control. , 2012, , .		4
106	Novel band-pass filter model for multi-receiver wireless power transfer via magnetic resonance coupling and power division. , 2012, , .		24
107	Impedance matching and power division algorithm considering cross coupling for wireless power transfer via magnetic resonance. , 2012, , .		18
108	Two-dimensional assist control for power-assisted wheelchair considering straight and rotational motion decomposition. , 2012, , .		4

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109	Novel EV society based on motor/ capacitor/ wireless — Application of electric motor, supercapacitors, and wireless power transfer to enhance operation of future vehicles. , 2012, , .		21
110	Lateral Stability Control of In-Wheel-Motor-Driven Electric Vehicles Based on Sideslip Angle Estimation Using Lateral Tire Force Sensors. IEEE Transactions on Vehicular Technology, 2012, 61, 1972-1985.	3.9	249
111	Experimental Verification of Active Front Steering Based on Driver-Friendly Reaction Torque Control. IEJ Transactions on Industry Applications, 2012, 132, 778-787.	0.1	0
112	Image-Processing-Based State Estimation for Lateral Control of Electric Vehicles Using Multi-Rate Kalman Filter. Recent Patents on Signal Processing, 2012, 2, 140-148.	0.1	3
113	Realization of steer-by-wire system for electric vehicles using caster wheels and independent driving motors. , 2011, , .		6
114	Optimization using transmitting circuit of multiple receiving antennas for wireless power transfer via magnetic resonance coupling. , 2011, , .		15
115	Yaw motion control of power-assisted wheelchairs under lateral disturbance environment. , 2011, , .		5
116	Basic experimental study on effect of bentonite to efficiency of wireless power transfer using magnetic resonance coupling method. , 2011, , .		4
117	Basic study on reduction of reflected power using DC/DC converters in wireless power transfer system via magnetic resonant coupling. , 2011, , .		73
118	Maximizing Air Gap and Efficiency of Magnetic Resonant Coupling for Wireless Power Transfer Using Equivalent Circuit and Neumann Formula. IEEE Transactions on Industrial Electronics, 2011, 58, 4746-4752.	5.2	493
119	Fault-tolerant traction control of electric vehicles. Control Engineering Practice, 2011, 19, 204-213.	3.2	67
120	Disturbance rejection improvement in non-redundant robot arms using bi-articular actuators. , 2011, , .		9
121	BiWi: Bi-articularly actuated and wire driven robot arm. , 2011, , .		23
122	Vehicle state estimation for advanced vehicle motion control using novel lateral tire force sensors. , 2011, , .		10
123	Development of simplified statics of robot manipulator and optimized muscle torque distribution based on the statics. , 2011, , .		10
124	Experimental verification of infinity norm approach for force maximization of manipulators driven by bi-articular actuators. , 2011, , .		13
125	Novel reaction force control design based on bi-articular driving system using intrinsic muscle viscoelasticity. , 2011, , .		6
126	Steering Angle-Disturbance Observer (SA-DOB) based yaw stability control for electric vehicles with in-wheel motors. , 2010, , .		5

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127	Traction Control for EV Based on Maximum Transmissible Torque Estimation. International Journal of Intelligent Transportation Systems Research, 2010, 8, 1-9.	0.6	14
128	Control Algorithm for an Independent Motor-Drive Vehicle. IEEE Transactions on Vehicular Technology, 2010, 59, 3213-3222.	3.9	60
129	Wireless Power Transfer System via Magnetic Resonant Coupling at Fixed Resonance Frequency-Power Transfer System Based on Impedance Matching-. World Electric Vehicle Journal, 2010, 4, 744-753.	1.6	31
130	New approach to force sensor-less power assist control for high friction and high inertia systems. , 2010, , .		3
131	Force control based on biarticular muscle system and its application to novel robot arm driven by planetary gear system. , 2010, , .		4
132	Muscular viscoelasticity design and evaluation in feed-forward position control of robot arm based on animal musculoskeletal model. , 2010, , .		7
133	Application of Electric Motor, Supercapacitor, and Wireless Power Transfer to enhance operation of future vehicles. , 2010, , .		8
134	Basic study of improving efficiency of wireless power transfer via magnetic resonance coupling based on impedance matching. , 2010, , .		53
135	Robust bank angle estimation for rolling stability control on electric vehicle. , 2010, , .		1
136	A New Control Method for Power-Assisted Wheelchair Based on the Surface Myoelectric Signal. IEEE Transactions on Industrial Electronics, 2010, 57, 3191-3196.	5.2	91
137	Robust and safe control based on disturbance observer for train doors. , 2010, , .		0
138	A New V × I based adaptive speed sensorless four quadrant vector controlled induction motor drive. , 2010, , .		6
139	Infinity norm approach for precise force control of manipulators driven by bi-articular actuators. , 2010, , .		14
140	Robust yaw stability control for electric vehicles based on active steering control. , 2010, , .		3
141	Novel robot arm with bi-articular driving system using a planetary gear system and disturbance observer. , 2010, , .		15
142	Force sensor-less power assist control for low friction systems. , 2010, , .		3
143	Robust yaw stability control for electric vehicles based on Steering Angle-Disturbance Observer (SA-DOB) and tracking control design. , 2010, , .		1
144	Determination of Limits on Air Gap and Efficiency for Wireless Power Transfer via Magnetic Resonant Coupling by Using Equivalent Circuit. IEJ Transactions on Industry Applications, 2010, 130, 1169-1174.	0.1	18

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145	Wireless Power Transfer during Displacement Using Electromagnetic Coupling in Resonance -Magnetic-versus Electric-Type Antennas-. IEEJ Transactions on Industry Applications, 2010, 130, 76-83.	0.1	35
146	Study of Magnetic and Electric Coupling for Contactless Power Transfer Using Equivalent Circuits -Wireless Power Transfer via Electromagnetic Coupling at Resonance-. IEEJ Transactions on Industry Applications, 2010, 130, 84-92.	0.1	45
147	Skid Prevention Control for IPMSM Driven EVs Based on Improved Torque Reduction Characteristics -Extension to dq-axis Current Control and Experimental Verification-. IEEJ Transactions on Industry Applications, 2010, 130, 430-435.	0.1	0
148	Wireless Power Transfer Using Electromagnetic Resonant Coupling. Journal of the Institute of Electrical Engineers of Japan, 2009, 129, 414-417.	0.0	44
149	Ergonomic verification of reactive torque control based on driver's sensitivity characteristics for active front steering. , 2009, , .		6
150	Extended manipulability measure and application for robot arm equipped with bi-articular driving mechanism. , 2009, , .		13
151	Experimental verification on novel robot arm equipped with bi-articular driving mechanism. , 2009, , .		2
152	A new MTTE methodology for electric vehicle traction control. , 2009, , .		5
153	Novel endeffector stiffness control by biarticular muscle in robot manipulator. , 2009, , .		1
154	Experimental verification of driver-friendly reactive torque control based on driver sensitivity to active front steering. , 2009, , .		6
155	Development of two-degree-of-freedom control for robot manipulator with biarticular muscle torque. , 2009, , .		41
156	Motion control of electric vehicles and prospects of supercapacitors. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 231-239.	0.8	16
157	Study on open and short end helical antennas with capacitor in series of wireless power transfer using magnetic resonant couplings. , 2009, , .		65
158	A Novel Traction Control for EV Based on Maximum Transmissible Torque Estimation. IEEE Transactions on Industrial Electronics, 2009, 56, 2086-2094.	5.2	163
159	Integrated Motion Control of a Wheelchair in the Longitudinal, Lateral, and Pitch Directions. IEEE Transactions on Industrial Electronics, 2008, 55, 1855-1862.	5.2	50
160	Model Reference Adaptive Controller-Based Rotor Resistance and Speed Estimation Techniques for Vector Controlled Induction Motor Drive Utilizing Reactive Power. IEEE Transactions on Industrial Electronics, 2008, 55, 594-601.	5.2	290
161	Body slip angle observer for electric vehicle stability control based on empirical tire model with fuzzy logic approach. , 2008, , .		4
162	Rolling stability control of in-wheel electric vehicle based on two-degree-of-freedom control. , 2008, , .		12

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163	New control method for power-assisted wheelchair based on upper extremity movement using surface myoelectric signal. , 2008, , .		12
164	Fractional order impedance control by particle swarm optimization. , 2008, , .		5
165	Trajectory generation for Just-in-time seek control with minimized energy consumption. , 2008, , .		1
166	Error propagation suppression in Self-servo Track Writer by time-domain control design. , 2008, , .		1
167	A New Control Method for Power-assisted Wheel Chair based on the Surface Myoelectric Signal. , 2007, , .		3
168	Body Slip Angle Estimation and Control for Electric Vehicle with In-Wheel Motors. , 2007, , .		15
169	Novel FF Control Algorithm of Robot Arm Based on Bi-articular Muscle Principle - Emulation of Muscular Viscoelasticity for Disturbance Suppression and Path Tracking. , 2007, , .		16
170	Fractional-order control: Theory and applications in motion control [Past and present]. IEEE Industrial Electronics Magazine, 2007, 1, 6-16.	2.3	55
171	Vibration Suppression Using Single Neuron-Based PI Fuzzy Controller and Fractional-Order Disturbance Observer. IEEE Transactions on Industrial Electronics, 2007, 54, 117-126.	5.2	120
172	Normal Force Stabilizing Control Using Small EV Powered only by Electric Double Layer Capacitor. World Electric Vehicle Journal, 2007, 1, 62-67.	1.6	3
173	Improvement of EV Maneuverability and Safety by Dynamic Force Distribution with Disturbance Observer. World Electric Vehicle Journal, 2007, 1, 258-263.	1.6	8
174	Robust design of body slip angle observer for electric vehicles and its experimental demonstration. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2007, 159, 80-86.	0.2	3
175	Consideration on Feedforward Controller Design for Self Servo Track Writer. , 2006, , .		1
176	A Novel Design and Realization of Robot Arm Based on the Principle of Bi-articular Muscles. , 2006, , .		8
177	Design Of Anti-Slip Controller For An Electric Vehicle With An Adhesion Status Analyzer Based On The Ev Simulator. Asian Journal of Control, 2006, 8, 261-267.	1.9	11
178	Skid Prevention for EVs Based on the Emulation of Torque Reduction Characteristics of Separately-excited DC Motor-Experimental Validation by "UOT CADWELL EV" Driven by BLDC Motors-. IEEJ Transactions on Industry Applications, 2006, 126, 248-254.	0.1	1
179	Novel Control Scheme of Power Assisted Wheelchair for Preventing Overturn (Part) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 T on Industry Applications, 2004, 124, 318-323.	0.1	20
180	Time-Domain Evaluation of Fractional Order Controllers' Direct Discretization Methods. IEEJ Transactions on Industry Applications, 2004, 124, 837-842.	0.1	5

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181	The Time-Scaled Trapezoidal Integration Rule for Discrete Fractional Order Controllers. Nonlinear Dynamics, 2004, 38, 171-180.	2.7	17
182	Detection of abnormal movement of industrial robot based on eigenspace representation of image sequence. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2004, 148, 74-83.	0.2	0
183	Backlash Vibration Suppression Control of Torsional System by Novel Fractional Order PIDk Controller. IEEJ Transactions on Industry Applications, 2004, 124, 312-317.	0.1	18
184	Novel Control Scheme of Power Assisted Wheelchair for Preventing Overturn (Part II) -Variable Assistance Ratio Control Based on Estimation of Center-of-Gravity Angle and Phase Plane-. IEEJ Transactions on Industry Applications, 2004, 124, 699-705.	0.1	17
185	Geometric Interpretation of Discrete Fractional Order Controllers Based on Sampling Time Scaling Property and Experimental Verification of Fractional 1/SI± Systemsâ€™ Robustness. , 2003, , 661.		4
186	Detection of Abnormal Movement of Industrial Robot Based on Eigenspace Representation of Image Sequence. IEEJ Transactions on Industry Applications, 2003, 123, 856-862.	0.1	2
187	Disturbance Rejection Control based on Adaptive Identification of Transfer Characteristics from Acceleration Sensor for Hard Disk Drive System. IEEJ Transactions on Industry Applications, 2003, 123, 1461-1466.	0.1	1
188	MC-12 ACCELERATION FEEDFORWARD CONTROL BASED ON ADAPTIVE IDENTIFICATION OF TRANSFER CHARACTERISTICS FOR HARD DISK DRIVES. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2003, 2003, 28-29.	0.0	0
189	ADVANCED DIGITAL MOTION CONTROL BASED ON MULTIRATE SAMPLING CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 331-336.	0.4	10
190	Dynamic driving/braking force distribution in electric vehicles with independently driven four wheels. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2002, 138, 79-89.	0.2	48
191	High-performance servo systems based on multirate sampling control. Control Engineering Practice, 2002, 10, 773-781.	3.2	52
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