

# Yoichi Hori

## List of Publications by Year in descending order

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214  
papers

5,340  
citations

136885

32  
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110317

64  
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214  
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214  
docs citations

214  
times ranked

3364  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	A Novel Traction Control for EV Based on Maximum Transmissible Torque Estimation. IEEE Transactions on Industrial Electronics, 2009, 56, 2086-2094.	5.2	163
8	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
9	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
10	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
11	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
12	Robust Yaw Stability Control for In-Wheel Motor Electric Vehicles. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1360-1370.	3.7	103
13	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
14	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
15	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
16	Basic study on reduction of reflected power using DC/DC converters in wireless power transfer system via magnetic resonant coupling. , 2011, , .		73
17	Speed Sensorless Vector Controlled Induction Motor Drive Using Single Current Sensor. IEEE Transactions on Energy Conversion, 2013, 28, 938-950.	3.7	70
18	Design and Analysis of Force-Sensor-Less Power-Assist Control. IEEE Transactions on Industrial Electronics, 2014, 61, 985-993.	5.2	68

#	ARTICLE	IF	CITATIONS
19	Fault-tolerant traction control of electric vehicles. Control Engineering Practice, 2011, 19, 204-213.	3.2	67
20	Study on open and short end helical antennas with capacitor in series of wireless power transfer using magnetic resonant couplings. , 2009, , .		65
21	Wheel Slip Control for Improving Traction-Ability and Energy Efficiency of a Personal Electric Vehicle. Energies, 2015, 8, 6820-6840.	1.6	62
22	Control Algorithm for an Independent Motor-Drive Vehicle. IEEE Transactions on Vehicular Technology, 2010, 59, 3213-3222.	3.9	60
23	Fractional-order control: Theory and applications in motion control [Past and present]. IEEE Industrial Electronics Magazine, 2007, 1, 6-16.	2.3	55
24	Basic study of improving efficiency of wireless power transfer via magnetic resonance coupling based on impedance matching. , 2010, , .		53
25	High-performance servo systems based on multirate sampling control. Control Engineering Practice, 2002, 10, 773-781.	3.2	52
26	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
27	New characteristics analysis considering transmission distance and load variation in wireless power transfer via magnetic resonant coupling. , 2012, , .		49
28	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
29	Unified Theory of Electromagnetic Induction and Magnetic Resonant Coupling. IEEJ Transactions on Industry Applications, 2015, 135, 697-710.	0.1	48
30	Study on maximize efficiency by secondary side control using DC-DC converter in wireless power transfer via magnetic resonant coupling. , 2013, , .		47
31	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
32	Advantage of Electric Motor for Anti Skid Control of Electric Vehicle. EPE Journal (European Power) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	0.7	44
33	Wireless Power Transfer Using Electromagnetic Resonant Coupling. Journal of the Institute of Electrical Engineers of Japan, 2009, 129, 414-417.	0.0	44
34	Dynamic wireless power transfer system for electric vehicles to simplify ground facilities - power control and efficiency maximization on the secondary side. , 2016, , .		42
35	Development of two-degree-of-freedom control for robot manipulator with biarticular muscle torque. , 2009, , .		41
36	Perfect Tracking Control Method Based on Multirate Feedforward Control. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 766-772.	0.1	38

#	ARTICLE	IF	CITATIONS
37	Four-wheel Driving-force Distribution Method for Instantaneous or Split Slippery Roads for Electric Vehicle. <i>Automatika</i> , 2013, 54, 103-113.	1.2	36
38	Wireless Power Transfer during Displacement Using Electromagnetic Coupling in Resonance -Magnetic-versus Electric-Type Antennas-. <i>IEEJ Transactions on Industry Applications</i> , 2010, 130, 76-83.	0.1	35
39	Comparing Approaches for Actuator Redundancy Resolution in Biarticularly-Actuated Robot Arms. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014, 19, 765-776.	3.7	33
40	Wireless Power Transfer System via Magnetic Resonant Coupling at Fixed Resonance Frequency-Power Transfer System Based on Impedance Matching-. <i>World Electric Vehicle Journal</i> , 2010, 4, 744-753.	1.6	31
41	Design of an adaptive sliding mode controller for robust yaw stabilisation of in-wheel-motor-driven electric vehicles. <i>International Journal of Vehicle Design</i> , 2015, 67, 98.	0.1	30
42	Secondary-side-only Control for High Efficiency and Desired Power with Two Converters in Wireless Power Transfer Systems. <i>IEEJ Journal of Industry Applications</i> , 2017, 6, 473-481.	0.9	28
43	Slip control for IWM vehicles based on hierarchical LQR. <i>Control Engineering Practice</i> , 2019, 93, 104179.	3.2	28
44	Vision-Based Lateral State Estimation for Integrated Control of Automated Vehicles Considering Multirate and Unevenly Delayed Measurements. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2619-2627.	3.7	27
45	Lateral Stability Control of Electric Vehicle Based On Disturbance Accommodating Kalman Filter using the Integration of Single Antenna GPS Receiver and Yaw Rate Sensor. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 899-910.	1.2	26
46	Wireless charging power control for HESS through receiver side voltage control. , 2015, , .		25
47	Novel band-pass filter model for multi-receiver wireless power transfer via magnetic resonance coupling and power division. , 2012, , .		24
48	Disturbance Attenuation Control for Power-Assist Wheelchair Operation on Slopes. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 828-837.	3.2	24
49	Maximum efficiency control of wireless power transfer via magnetic resonant coupling considering dynamics of DC-DC converter for moving electric vehicles. , 2015, , .		24
50	BiWi: Bi-articularly actuated and wire driven robot arm. , 2011, , .		23
51	Range Extension Autonomous Driving for Electric Vehicles Based on Optimal Velocity Trajectory Generation and Front-Rear Driving-Braking Force Distribution. <i>IEEJ Journal of Industry Applications</i> , 2016, 5, 228-235.	0.9	23
52	2-Inertia System Control using Resonance Ratio Control and Manabe Polynomials.. <i>IEEJ Transactions on Industry Applications</i> , 1994, 114, 1038-1045.	0.1	22
53	Novel EV society based on motor/ capacitor/ wireless &#x2014; Application of electric motor, supercapacitors, and wireless power transfer to enhance operation of future vehicles. , 2012, , .		21
54	Novel skid detection method without vehicle chassis speed for electric vehicle. <i>Review of Automotive Engineering</i> , 2000, 21, 503-510.	0.2	20

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55	Novel Control Scheme of Power Assisted Wheelchair for Preventing Overturn (Part I) on Industry Applications, 2004, 124, 318-323.	0.1	20
56	Advanced motion control of electric vehicle with fast minor feedback loops: basic experiments using the 4-wheel motored EV UOT Electric March II. Review of Automotive Engineering, 2001, 22, 527-536.	0.2	19
57	Operation state observation and condition recognition for the control of power-assisted wheelchair. Mechatronics, 2014, 24, 1101-1111.	2.0	19
58	Position/Force Control of Multi-Axis Robot Manipulator based on the TDOF Robust Servo Controller for Each Joint. , 1992, , .		18
59	Impedance matching and power division algorithm considering cross coupling for wireless power transfer via magnetic resonance. , 2012, , .		18
60	Backlash Vibration Suppression Control of Torsional System by Novel Fractional Order PID Controller. IEEJ Transactions on Industry Applications, 2004, 124, 312-317.	0.1	18
61	Determination of Limits on Air Gap and Efficiency for Wireless Power Transfer via Magnetic Resonant Coupling by Using Equivalent Circuit. IEEJ Transactions on Industry Applications, 2010, 130, 1169-1174.	0.1	18
62	The Time-Scaled Trapezoidal Integration Rule for Discrete Fractional Order Controllers. Nonlinear Dynamics, 2004, 38, 171-180.	2.7	17
63	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
64	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
65	Motion control of electric vehicles and prospects of supercapacitors. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 231-239.	0.8	16
66	Non-linear phase different control for precise output force of bi-articularly actuated manipulators. Advanced Robotics, 2013, 27, 109-120.	1.1	16
67	Body Slip Angle Estimation and Control for Electric Vehicle with In-Wheel Motors. , 2007, , .		15
68	Novel robot arm with bi-articular driving system using a planetary gear system and disturbance observer. , 2010, , .		15
69	Optimization using transmitting circuit of multiple receiving antennas for wireless power transfer via magnetic resonance coupling. , 2011, , .		15
70	Charging Infrastructure Design for In-motion WPT Based on Sensorless Vehicle Detection System. , 2019, , .		15
71	Traction Control for EV Based on Maximum Transmissible Torque Estimation. International Journal of Intelligent Transportation Systems Research, 2010, 8, 1-9.	0.6	14
72	Infinity norm approach for precise force control of manipulators driven by bi-articular actuators. , 2010, , .		14

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73	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
74	Extended manipulability measure and application for robot arm equipped with bi-articular driving mechanism. , 2009, , .		13
75	Experimental verification of infinity norm approach for force maximization of manipulators driven by bi-articular actuators. , 2011, , .		13
76	A new model reference adaptive formulation to estimate stator resistance in field oriented induction motor drive. , 2013, , .		13
77	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
78	Real-time Maximum Efficiency Control in Dynamic Wireless Power Transfer System. IEEJ Transactions on Industry Applications, 2016, 136, 425-432.	0.1	13
79	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
80	Rolling stability control of in-wheel electric vehicle based on two-degree-of-freedom control. , 2008, , .		12
81	New control method for power-assisted wheelchair based on upper extremity movement using surface myoelectric signal. , 2008, , .		12
82	Design of robust servosystems based on the parametrization of two degrees of freedom control systems.. IEEJ Transactions on Industry Applications, 1989, 109, 825-832.	0.1	11
83	Robust motion control based on a two-degrees-of-freedom servosystem. Advanced Robotics, 1992, 7, 525-546.	1.1	11
84	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
85	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
86	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
87	Vehicle state estimation for advanced vehicle motion control using novel lateral tire force sensors. , 2011, , .		10
88	Development of simplified statics of robot manipulator and optimized muscle torque distribution based on the statics. , 2011, , .		10
89	Design of multi-frequency coil for capacitor-less wireless power transfer using high order self-resonance of open end coil. , 2016, , .		10
90	SS and SP Topology Analysis for Capacitive Power Transfer with Resonance Coupling Based on Power Factor Consideration. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
91	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
92	Disturbance rejection improvement in non-redundant robot arms using bi-articular actuators. , 2011, , .		9
93	Two-transmitter wireless power transfer with LCL circuit for continuous power in dynamic charging. , 2015, , .		9
94	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
95	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
96	Motion Control of Electric Vehicle Utilizing Fast Torque Response of Electric Motor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8166-8171.	0.4	8
97	A Novel Design and Realization of Robot Arm Based on the Principle of Bi-articular Muscles. , 2006, , .		8
98	Improvement of EV Maneuverability and Safety by Dynamic Force Distribution with Disturbance Observer. World Electric Vehicle Journal, 2007, 1, 258-263.	1.6	8
99	Application of Electric Motor, Supercapacitor, and Wireless Power Transfer to enhance operation of future vehicles. , 2010, , .		8
100	Leg space observer on biarticular actuated two-link manipulator for realizing spring loaded inverted pendulum model. , 2012, , .		8
101	Fast and accurate vision-based positioning control employing multi-rate Kalman filter. , 2013, , .		8
102	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
103	Muscular viscoelasticity design and evaluation in feed-forward position control of robot arm based on animal musculoskeletal model. , 2010, , .		7
104	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
105	Driving Test Evaluation of Sensorless Vehicle Detection Method for In-motion Wireless Power Transfer. , 2018, , .		7
106	Acceleration controlled type servo system.. IEEJ Transactions on Industry Applications, 1988, 108, 672-677.	0.1	7
107	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
108	Ergonomic verification of reactive torque control based on driver's sensitivity characteristics for active front steering. , 2009, , .		6

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109	Experimental verification of driver-friendly reactive torque control based on driver sensitivity to active front steering. , 2009, , .		6
110	A New V &#x00D7; I based adaptive speed sensorless four quadrant vector controlled induction motor drive. , 2010, , .		6
111	Realization of steer-by-wire system for electric vehicles using caster wheels and independent driving motors. , 2011, , .		6
112	Novel reaction force control design based on bi-articular driving system using intrinsic muscle viscoelasticity. , 2011, , .		6
113	Instantaneous Speed Observer with Improved Disturbance Rejection Performance based on Higher Order Dynamics.. IEEJ Transactions on Industry Applications, 1992, 112, 539-544.	0.1	6
114	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
115	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
116	Resonance Frequency Adjustment Using PWM-Controlled Variable Capacitor for In-Motion WPT with Circuit Parameter Deviations. , 2020, , .		6
117	Time-Domain Evaluation of Fractional Order Controllers' Direct Discretization Methods. IEEJ Transactions on Industry Applications, 2004, 124, 837-842.	0.1	5
118	Fractional order impedance control by particle swarm optimization. , 2008, , .		5
119	A new MTTE methodology for electric vehicle traction control. , 2009, , .		5
120	Steering Angle-Disturbance Observer (SA-DOB) based yaw stability control for electric vehicles with in-wheel motors. , 2010, , .		5
121	Yaw motion control of power-assisted wheelchairs under lateral disturbance environment. , 2011, , .		5
122	One-handed propulsion control of power-assisted wheelchair with advanced turning mode. , 2014, , .		5
123	Dual rate Kalman filter considering delayed measurement and its application in visual servo. , 2014, , .		5
124	Soft-Start Control Method for In-motion Charging of Electric Vehicles Based on Transient Analysis of Wireless Power Transfer System. , 2018, , .		5
125	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
126	Novel Wheel Skid Detection Method without Chassis Velocity for Electric Vehicle. IEEJ Transactions on Industry Applications, 2000, 120, 281-287.	0.1	5



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127	Control theoretical considerations relating to an induction machine flux observer.. IEEJ Transactions on Power and Energy, 1986, 106, 1001-1008.	0.1	5
128	Motion Control of Multi-Axis Manipulator Using Robust Servo System with Two Degrees of Freedom.. Journal of the Robotics Society of Japan, 1991, 9, 830-840.	0.0	5
129	Control of Torsional System using Disturbance Observer.. Journal of the Robotics Society of Japan, 1995, 13, 1096-1102.	0.0	5
130	Sensorless Vehicle Position Detection in Electric Vehicle by Logistic Estimation Function of Mutual Inductance. , 2020, , .		5
131	Design of the flux observer-based vector control system of induction machines taking into consideration robust stability. Electrical Engineering in Japan (English Translation of Denki Gakkai Tj ETQq1 1 0.784314 rgBT4/Overload		4
132	Inertia moment identification in the average speed-type instantaneous speed observer. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1995, 115, 120-129.	0.2	4
133	Geometric Interpretation of Discrete Fractional Order Controllers Based on Sampling Time Scaling Property and Experimental Verification of Fractional 1/S $\pm$ Systems's Robustness. , 2003, , 661.		4
134	Body slip angle observer for electric vehicle stability control based on empirical tire model with fuzzy logic approach. , 2008, , .		4
135	Force control based on biarticular muscle system and its application to novel robot arm driven by planetary gear system. , 2010, , .		4
136	Basic experimental study on effect of bentonite to efficiency of wireless power transfer using magnetic resonance coupling method. , 2011, , .		4
137	Sideslip angle estimation using gps and disturbance accommodating multi-rate Kalman filter for electric vehicle stability control. , 2012, , .		4
138	Two-dimensional assist control for power-assisted wheelchair considering straight and rotational motion decomposition. , 2012, , .		4
139	Efficiency maximization of wireless power transfer based on simultaneous estimation of generalized two parameters. , 2016, , .		4
140	Efficiency maximization of wireless power transfer based on simultaneous estimation of primary voltage and mutual inductance using secondary-side information. , 2016, , .		4
141	Maximum efficiency control of wireless power transfer systems with Half Active Rectifier based on primary current measurement. , 2017, , .		4
142	Implementation of discrete time flux observer for induction machine and its sensitivity reduction to machine parameter variation.. IEEJ Transactions on Industry Applications, 1988, 108, 665-671.	0.1	4
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Construction of Induction Machine Flux Observers with Low Sensitivity. Transactions of the Society of Instrument and Control Engineers, 1989, 25, 255-257.	0.1	3
148	A New Control Method for Power-assisted Wheel Chair based on the Surface Myoelectric Signal. , 2007, , .		3
149	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
150	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
151	New approach to force sensor-less power assist control for high friction and high inertia systems. , 2010, , .		3
152	Robust yaw stability control for electric vehicles based on active steering control. , 2010, , .		3
153	Force sensor-less power assist control for low friction systems. , 2010, , .		3
154	Analysis of actuator redundancy resolution methods for bi-articularly actuated robot arms. , 2012, , .		3
155	Motion control of electric vehicles based on robust lateral tire force control using lateral tire force sensors. , 2012, , .		3
156	Improving EV lateral dynamics control using infinity norm approach with closed-form solution. , 2013, , .		3
157	Electric vehicle stability control based on disturbance accommodating Kalman filter using GPS. , 2013, , .		3
158	Power management of Wireless In-Wheel Motor by SOC control of wheel side Lithium-ion Capacitor. , 2016, , .		3
159	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
160	Feedforward Transient Control for In-Motion Wireless Power Transfer Using Envelope Model. , 2019, , .		3
161	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
162	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

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163	Efficiency Maximization in Wireless Power Transfer Systems for Resonance Frequency Mismatch. , 2019, , .		3
164	Experimental verification on novel robot arm equipped with bi-articular driving mechanism. , 2009, , .		2
165	A fault detection and isolation scheme for lateral vehicle dynamics of EVs using a quantitative parity space approach. , 2012, , .		2
166	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
167	Analysis and experiment on harmonic current distortion in wireless power transfer system using a diode rectifier. , 2015, , .		2
168	Human-Friendly Motion Control of Power-Assisted Wheelchair. Springer Tracts in Advanced Robotics, 2015, , 339-369.	0.3	2
169	Notice of Removal Power flow control of magnetic resonance wireless charging for hybrid energy storage system of electric vehicles application. , 2015, , .		2
170	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
171	Study on Energy System Configuration of Wireless In-Wheel Motor with Supercapacitor. World Electric Vehicle Journal, 2016, 8, 263-273.	1.6	2
172	Sensorless Vehicle Detection Using Voltage Pulses with Envelope Model for In-motion Wireless Power Transfer System. , 2019, , .		2
173	Localization of Wheeled Mobile Robots from Slip Ratio Estimation with Simple Model. , 2021, , .		2
174	Proposal of a novel motion control method based on the acceleration control.. IEEJ Transactions on Industry Applications, 1989, 109, 470-476.	0.1	2
175	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
176	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
177	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
178	Cars and Energy in the Future –Paradigm Shift to Motor/Capacitor/Wireless–™. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 318-324.	0.8	2
179	Variable gap type and electrostatic and electrostatic type actuators.. IEEJ Transactions on Industry Applications, 1987, 107, 694-699.	0.1	1
180	Consideration on Feedforward Controller Design for Self Servo Track Writer. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
181	Trajectory generation for Just-in-time seek control with minimized energy consumption. , 2008, , .		1
182	Error propagation suppression in Self-servo Track Writer by time-domain control design. , 2008, , .		1
183	Novel endeffector stiffness control by biarticular muscle in robot manipulator. , 2009, , .		1
184	Robust bank angle estimation for rolling stability control on electric vehicle. , 2010, , .		1
185	Robust yaw stability control for electric vehicles based on Steering Angle-Disturbance Observer (SA-DOB) and tracking control design. , 2010, , .		1
186	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
187	Inverse muscle group activity estimation based on neuromusculoskeletal system model. , 2015, , .		1
188	Fusion of large-time-delay measurement with non-delay measurement based on upper-bound scheme. , 2015, , .		1
189	Lateral State Estimation for Lane Keeping Control of Electric Vehicles Considering Sensor Sampling Mismatch Issue. , 2016, , .		1
190	Superiority of magnetic resonant coupling at large air gap in wireless power transfer. , 2016, , .		1
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