

Kazushi Sanada

List of Publications by Year in descending order

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papers

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51
all docs

51
docs citations

51
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Loss Evaluation of Automated Manual Transmission with Gearshift Assistant Mechanism. International Journal of Automotive Technology, 2021, 22, 441-454.	1.4	2
2	A novel framework based on a data-driven approach for modelling the behaviour of organisms in chemical plume tracing. Journal of the Royal Society Interface, 2021, 18, 20210171.	3.4	2
3	Chemical plume tracing model learning from insect behavior. , 2021, , .		0
4	Improved Decoupling Control for a Powershift Automatic Mechanical Transmission Employing a Model-Based PID Parameter Autotuning Method. Actuators, 2020, 9, 54.	2.3	2
5	Analysis of the effect of sampling strategy: flicking for chemical plume tracing by an autonomous robot. , 2020, , .		4
6	Flicking: variable sampling method for chemical plume tracing by an autonomous robot. Transactions of the JSME (in Japanese), 2020, 86, 19-00340-19-00340.	0.2	0
7	Modelling, Analysis and Simulation of a Novel Automated Manual Transmission with Gearshift Assistant Mechanism. International Journal of Automotive Technology, 2019, 20, 885-895.	1.4	6
8	Development of Omnidirectional Mobile Treadmill for Neuroethology. Lecture Notes in Computer Science, 2019, , 360-364.	1.3	0
9	Experimental validation of an optimum design method for a ball throwing robot considering degrees of freedom, link parameters, and motion pattern. Mechanical Engineering Journal, 2017, 4, 17-00147-17-00147.	0.4	1
10	Development and performance evaluation of supporting arm worn by factory worker for reducing body load. Transactions of the JSME (in Japanese), 2017, 83, 16-00544-16-00544.	0.2	0
11	A Study of Pneumatic Assist Arm for Physical Load Reduction of Worker. The Proceedings of the Symposium on the Motion and Vibration Control, 2017, 2017.15, B12.	0.0	0
12	Integrated design of body and motion improving motion performance of ball throwing robot. Transactions of the JSME (in Japanese), 2016, 82, 15-00342-15-00342.	0.2	3
13	Design and support force control of supporting arm for reducing factory worker load. Transactions of the JSME (in Japanese), 2016, 82, 16-00216-16-00216.	0.2	1
14	Robot body design including degrees of freedom and link parameters maximizing ball throwing performance. , 2016, , .		1
15	Ship Velocity Control using a DDVC Fuel Injection System. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J1110103.	0.0	0
16	Integrated robot design considering feasible motion conditions and dynamical relations between body parameters. , 2014, , .		3
17	A Study on Order Reduction of Optimized Finite Element Model of Pipeline Dynamics. JFPS International Journal of Fluid Power System, 2014, 8, 18-23.	0.3	1
18	2D34 Torque observer and decoupling control of automatic transmission(The 12th International) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Vibration Control, 2014, 2014.12, _2D34-1_-2D34-12_.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Improved optimal controller for start-up of amt trucks in consideration of driver's intention. International Journal of Automotive Technology, 2013, 14, 213-220.	1.4	19
20	Design of a robust controller for shift control of an automatic transmission. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2012, 226, 1577-1584.	1.9	23
21	A Nonlinear Clutch Pressure Observer for Automatic Transmission: Considering Drive-Shaft Compliance. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	12
22	Observer-based feedback control during torque phase of clutch-to-clutch shift process. International Journal of Vehicle Design, 2012, 58, 93.	0.3	21
23	Observer-based clutch disengagement control during gear shift process of automated manual transmission. Vehicle System Dynamics, 2011, 49, 685-701.	3.7	43
24	Nonlinear feedforward-feedback control of clutch-to-clutch shift technique. Vehicle System Dynamics, 2011, 49, 1895-1911.	3.7	37
25	Design of nonlinear shaft torque observer for trucks with Automated Manual Transmission. Mechatronics, 2011, 21, 1034-1042.	3.3	36
26	Design of Clutch-Slip Controller for Automatic Transmission Using Backstepping. IEEE/ASME Transactions on Mechatronics, 2011, 16, 498-508.	5.8	98
27	Stator-core structure and winding technology for EPS motors. Electrical Engineering in Japan (English Translation of Denki Gakkaishi), 2011, 175, 35-42.	0.4	2
28	Power-Assist Chair Using Pneumatic Actuator. International Journal of Automation Technology, 2011, 5, 502-507.	1.0	2
29	A Study on A Power-Assisted Chair with Motion Sensing. Transactions of the Japan Fluid Power System Society, 2010, 41, 107-114.	0.4	3
30	A Reduced-Order Nonlinear Clutch Pressure Observer for Automatic Transmission. IEEE Transactions on Control Systems Technology, 2010, 18, 446-453.	5.2	56
31	Clutch slip control of automatic transmissions: A nonlinear feedforward-feedback design. , 2010, , .		8
32	Clutch slip control of Automatic Transmission using nonlinear method. , 2009, , .		7
33	A noble fuel injection using DDVC for marine diesel engines. , 2008, , .		1
34	A reduced-order nonlinear clutch pressure observer for automatic transmission using ISS. , 2008, , .		6
35	CLUTCH-TO-CLUTCH SHIFT CONTROL OF AN AUTOMATIC TRANSMISSION WITH PROPORTIONAL PRESSURE CONTROL VALUES. Proceedings of the JFPS International Symposium on Fluid Power, 2008, 2008, 659-664.	0.1	0
36	2007 Independent Braking Force Control for Rollover Prevention of Heavy Duty Vehicles. The Proceedings of the JSME Annual Meeting, 2008, 2008.5, 121-122.	0.0	0

#	ARTICLE	IF	CITATIONS
37	A Study on Modeling Hydraulic-Power-Steering for Heavy Duty Vehicles. JFPS International Journal of Fluid Power System, 2008, 1, 8-17.	0.3	2
38	Stator-Core Structure and Winding Technology for EPS Motors. IEEE Transactions on Industry Applications, 2008, 128, 1411-1417.	0.2	3
39	A study on yaw rate control of hydraulic-power-steering heavy duty vehicles. , 2007, , .		3
40	A power-assisted chair with motion-sensing control. , 2007, , .		0
41	A Study on Control of a Power-assisted Chair Based on Motion-sensing Concept. , 2006, , .		11
42	A Study on HILS of Fluid Switching Transmission. , 2006, , .		5
43	3101 A Study on Modeling of Oil Hydraulic Power Steering. The Proceedings of the JSME Annual Meeting, 2006, 2006.2, 305-306.	0.0	4
44	A Study on Simulation Analysis of a Fluid Switching Transmission. Transactions of the Japan Fluid Power System Society, 2005, 36, 81-87.	0.4	1
45	A Study on Estimation of Wave Speed in a Pipe. Proceedings of the JFPS International Symposium on Fluid Power, 2002, 2002, 865-870.	0.1	1
46	A simulation study on speed control law for automated driving of heavy-duty vehicle (tracking) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 47-52.	0.2	1
47	A study on speed control law for automated driving of heavy-duty vehicles considering acceleration characteristics (simulation of transient responses). Review of Automotive Engineering, 1999, 20, 331-336.	0.2	2
48	A Study on Control Techniques for Power-Assisted Chair. Proceedings of the JFPS International Symposium on Fluid Power, 1999, 1999, 175-180.	0.1	5
49	A study of two-degree-of-freedom control of rotating speed in an automatic transmission, considering modeling errors of a hydraulic system. Control Engineering Practice, 1998, 6, 1125-1132.	5.5	46
50	Two-Degree-of-Freedom Controller Design for Clutch Slip Control of Automatic Transmission. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 1, 430-438.	0.4	19
51	Precise Fuel Control of Diesel Common-Rail System by Using OFEM. , 0, , .		9