

Fengjun Yan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

933
citations

14
h-index

30
g-index

40
ext. papers

1,173
ext. citations

3.8
avg, IF

4.99
L-index

#	Paper	IF	Citations
36	Partial Charging-based Health Feature Extraction and State of Health Estimation of Lithium-Ion Batteries. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	1
35	A Two-Step Parameter Optimization Method for Low-Order Model-Based State-of-Charge Estimation. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 399-409	7.6	33
34	Improved Vehicle LiDAR Calibration With Trajectory-Based Hand-Eye Method. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	1
33	A Novel Model-Based Voltage Construction Method for Robust State-of-Health Estimation of Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12173-12184	8.9	38
32	State-of-Health Estimation of Lithium-Ion Batteries Using Incremental Capacity Analysis Based on Voltage-Capacity Model. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 417-426	7.6	49
31	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 442-450	8.9	10
30	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5012-5021	8.9	6
29	Temperature distribution estimation via data-driven model and adaptive Kalman filter in modular data centers. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2020 , 234, 809-819	1	2
28	Two-layer online state-of-charge estimation of lithium-ion battery with current sensor bias correction. <i>International Journal of Energy Research</i> , 2019 , 43, 3837-3852	4.5	12
27	Gated branch neural network for mandatory lane changing suggestion at the on-ramps of highway. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 48-54	2.4	12
26	A hybrid electric vehicle energy optimization strategy by using fueling control in diesel engines. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 517-530	1.4	7
25	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 627-638	6.1	50
24	A Predictive Energy Management Strategy for Hybrid Electric Powertrain With a Turbocharged Diesel Engine. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	1
23	Robust path-following control for a fully actuated marine surface vessel with composite nonlinear feedback. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 3477-3488	1.8	16
22	2017 ,		1
21	Robust H _∞ output-feedback yaw control for in-wheel motor driven electric vehicles with differential steering. <i>Neurocomputing</i> , 2016 , 173, 676-684	5.4	53
20	Composite Control of DOC-out Temperature for DPF regeneration. <i>IFAC-PapersOnLine</i> , 2016 , 49, 20-27	0.7	6

19	Robust Composite Nonlinear Feedback Path-Following Control for Independently Actuated Autonomous Vehicles With Differential Steering. <i>IEEE Transactions on Transportation Electrification</i> , 2016 , 2, 312-321	7.6	51
18	Integral Sliding Mode-Based Composite Nonlinear Feedback Control for Path Following of Four-Wheel Independently Actuated Autonomous Vehicles. <i>IEEE Transactions on Transportation Electrification</i> , 2016 , 2, 221-230	7.6	94
17	Robust H_{∞} Path Following Control for Autonomous Ground Vehicles With Delay and Data Dropout. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 2042-2050	6.1	115
16	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4033-4043	6.8	121
15	Decoupled, Disturbance Rejection Control for A Turbocharged Diesel Engine with Dual-loop EGR System. <i>IFAC-PapersOnLine</i> , 2016 , 49, 619-624	0.7	6
14	Integrated optimal dynamics control of 4WD4WS electric ground vehicle with tire-road frictional coefficient estimation. <i>Mechanical Systems and Signal Processing</i> , 2015 , 60-61, 727-741	7.8	85
13	Robust lateral motion control of four-wheel independently actuated electric vehicles with tire force saturation consideration. <i>Journal of the Franklin Institute</i> , 2015 , 352, 645-668	4	41
12	Trapped Unburned Fuel Estimation and Robustness Analysis for a Turbocharged Diesel Engine With Negative Valve Overlap Strategy. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	2
11	Control of a dual-loop exhaust gas recirculation system for a turbocharged Diesel engine. <i>International Journal of Automotive Technology</i> , 2015 , 16, 733-738	1.6	7
10	Robust H_{∞} output-feedback control for path following of autonomous ground vehicles 2015 ,		4
9	Composite nonlinear feedback control for path following of four-wheel independently actuated autonomous ground vehicles 2015 ,		1
8	Fault-Tolerant Control of FWIA Electric Ground Vehicles with Differential Drive Assisted Steering. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1180-1185	0.7	6
7	Integrated optimal dynamics control of 4WS4WD electric ground vehicles with tire-road frictional coefficient estimation 2015 ,		4
6	Robust Nonlinear Disturbance Observer Design for Estimation of Ammonia Storage Ratio in Selective Catalytic Reduction Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	2
5	Compound Control Strategy Based on Active Disturbance Rejection for Selected Catalytic Reduction systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	4
4	Extended Kalman Filter Based In-Cylinder Temperature Estimation for Diesel Engines With Thermocouple Lag Compensation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	2
3	Output transient trajectory shaping control for a class of nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 3106-3123	3.6	0
2	Control of diesel engine dual-loop EGR air-path systems by a singular perturbation method. <i>Control Engineering Practice</i> , 2013 , 21, 981-988	3.9	37

- 1 A Control-Oriented Model for Dynamics From Fuel Injection Profile to Intake Gas Conditions in Diesel Engines. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2013**, 135, 1.6 4