Fengjun Yan

List of Publications by Year
in descending order

40 papers	1,402 citations	516215 16 h-index	377514 34 g-index
40 all docs	40 docs citations	40 times ranked	1172 citing authors

#	Article	IF	Citations
1	Robust <inline-formula> <tex-math notation="LaTeX">H_{infty}</tex-math> </inline-formula> Path Following Control for Autonomous Ground Vehicles With Delay and Data Dropout. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2042-2050.	4.7	175
2	Output Constraint Control on Path Following of Four-Wheel Independently Actuated Autonomous Ground Vehicles. IEEE Transactions on Vehicular Technology, 2016, 65, 4033-4043.	3.9	170
3	Integral Sliding Mode-Based Composite Nonlinear Feedback Control for Path Following of Four-Wheel Independently Actuated Autonomous Vehicles. IEEE Transactions on Transportation Electrification, 2016, 2, 221-230.	5.3	136
4	State-of-Health Estimation of Lithium-Ion Batteries Using Incremental Capacity Analysis Based on Voltageâ€“Capacity Model. IEEE Transactions on Transportation Electrification, 2020, 6, 417-426.	5.3	104
5	Integrated optimal dynamics control of 4WD4WS electric ground vehicle with tire-road frictional coefficient estimation. Mechanical Systems and Signal Processing, 2015, 60-61, 727-741.	4.4	101
6	A Two-Step Parameter Optimization Method for Low-Order Model-Based State-of-Charge Estimation. IEEE Transactions on Transportation Electrification, 2021, 7, 399-409.	5.3	79
7	A Novel Model-Based Voltage Construction Method for Robust State-of-Health Estimation of Lithium-Ion Batteries. IEEE Transactions on Industrial Electronics, 2021, 68, 12173-12184.	5.2	73
8	Robust Composite Nonlinear Feedback Path-Following Control for Independently Actuated Autonomous Vehicles With Differential Steering. IEEE Transactions on Transportation Electrification, 2016, 2, 312-321.	5.3	72
9	Special Issue on â€œRecent Developments on Modeling and Control of Hybrid Electric Vehiclesâ€• Asian Journal of Control, 2016, 18, 1-2.	1.9	67
10	Robust<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0007.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆž</mml:mo></mml:mrow></ yaw control for in-wheel motor driven electric vehicles with differential steering. Neurocomputing, 2016, 173, 676-684.	3.5	67
11	Differential Steering Based Yaw Stabilization Using ISMC for Independently Actuated Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 627-638.	4.7	67
12	Robust lateral motion control of four-wheel independently actuated electric vehicles with tire force saturation consideration. Journal of the Franklin Institute, 2015, 352, 645-668.	1.9	65
13	Control of diesel engine dual-loop EGR air-path systems by a singular perturbation method. Control Engineering Practice, 2013, 21, 981-988.	3.2	43
14	Robust path-following control for a fully actuated marine surface vessel with composite nonlinear feedback. Transactions of the Institute of Measurement and Control, 2018, 40, 3477-3488.	1.1	21
15	Gated branch neural network for mandatory lane changing suggestion at the onâ€ramps of highway. IET Intelligent Transport Systems, 2019, 13, 48-54.	1.7	18
16	Twoâ€layer online stateâ€ofâ€charge estimation of lithiumâ€ion battery with current sensor bias correction. International Journal of Energy Research, 2019, 43, 3837-3852.	2.2	18
17	Hydrothermal Aging Factor Estimation for Two-Cell Diesel-Engine SCR Systems via a Dual Time-Scale Unscented Kalman Filter. IEEE Transactions on Industrial Electronics, 2020, 67, 442-450.	5.2	14
18	Composite Control of DOC-out Temperature for DPF regeneration. IFAC-PapersOnLine, 2016, 49, 20-27.	0.5	12

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19	Fault-Tolerant Control of FWIA Electric Ground Vehicles with Differential Drive Assisted Steering. IFAC-PapersOnLine, 2015, 48, 1180-1185.	0.5	11
20	Improved Vehicle LiDAR Calibration With Trajectory-Based Hand-Eye Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 215-224.	4.7	9
21	Control of a dual-loop exhaust gas recirculation system for a turbocharged Diesel engine. International Journal of Automotive Technology, 2015, 16, 733-738.	0.7	8
22	A hybrid electric vehicle energy optimization strategy by using fueling control in diesel engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 517-530.	1.1	8
23	Robust H<inf>âˆž</inf> output-feedback control for path following of autonomous ground vehicles. , 2015, , .		7
24	Data-Driven Modeling and UFIR-Based Outlet NO$_{x}$ Estimation for Diesel-Engine SCR Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 5012-5021.	5.2	7
25	Decoupled, Disturbance Rejection Control for A Turbocharged Diesel Engine with Dual-loop EGR System. IFAC-PapersOnLine, 2016, 49, 619-624.	0.5	6
26	Partial Charging-Based Health Feature Extraction and State of Health Estimation of Lithium-Ion Batteries. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 166-174.	3.7	6
27	Integrated optimal dynamics control of 4WS4WD electric ground vehicles with tire-road frictional coefficient estimation. , 2015, , .		5
28	Compound Control Strategy Based on Active Disturbance Rejection for Selected Catalytic Reduction systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	5
29	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, .	0.9	4
30	Data-driven control of automotive diesel engines and after-treatment systems: State of the art and future challenges. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 2083-2098.	1.1	4
31	Extended Kalman Filter Based In-Cylinder Temperature Estimation for Diesel Engines With Thermocouple Lag Compensation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	3
32	Robust Nonlinear Disturbance Observer Design for Estimation of Ammonia Storage Ratio in Selective Catalytic Reduction Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	3
33	Temperature distribution estimation via data-driven model and adaptive Kalman filter in modular data centers. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, 234, 809-819.	0.7	3
34	Output transient trajectory shaping control for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2014, 24, 3106-3123.	2.1	2
35	Trapped Unburned Fuel Estimation and Robustness Analysis for a Turbocharged Diesel Engine With Negative Valve Overlap Strategy. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	2
36	Integral sliding mode yaw control for in-wheel-motor driven and differentially steered electric vehicles with mismatched disturbances. , 2017, , .		2

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37	A Predictive Energy Management Strategy for Hybrid Electric Powertrain With a Turbocharged Diesel Engine. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	2
38	Composite nonlinear feedback control for path following of four-wheel independently actuated autonomous ground vehicles. , 2015, , .		1
39	Should the desired vehicle heading in path following of autonomous vehicles be the tangent direction of the desired path?. , 2015, , .		1
40	Vehicle lateral motion control considering network-induced delay and tire force saturation. , 2016, , .		1