Boli Chen

List of Publications by Year
in descending order

44 papers	522 citations	623734 14 h-index	713466 21 g-index
44 all docs	44 docs citations	44 times ranked	291 citing authors

#	Article	IF	Citations
1	Robust Frequency-Adaptive Quadrature Phase-Locked-Loops With Lyapunov-Certified Global Stability. IEEE Transactions on Control Systems Technology, 2023, 31, 467-474.	5.2	5
2	Exponential Modulation Integral Observer for Online Detection of the Fundamental and Harmonics in Grid-Connected Power Electronics Equipment. IEEE Transactions on Control Systems Technology, 2022, 30, 1821-1833.	5.2	2
3	Predictive energy-efficient driving strategy design of connected electric vehicle among multiple signalized intersections. Transportation Research Part C: Emerging Technologies, 2022, 137, 103595.	7.6	23
4	Robust Adaptive Learning-Based Path Tracking Control of Autonomous Vehicles Under Uncertain Driving Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20798-20809.	8.0	6
5	Event-triggered distributed model predictive control for resilient voltage control of an islanded microgrid. International Journal of Robust and Nonlinear Control, 2021, 31, 1979-2000.	3.7	30
6	Estimation of Time-varying Frequency and its Rate of Change in Low-inertia Power Systems. , 2021, , .		0
7	Enhanced Eco-Approach Control of Connected Electric Vehicles at Signalized Intersection With Queue Discharge Prediction. IEEE Transactions on Vehicular Technology, 2021, 70, 5457-5469.	6.3	37
8	Barrier Lyapunov function-based adaptive fuzzy attitude tracking control for rigid satellite with input delay and output constraint. Journal of the Franklin Institute, 2021, 358, 9110-9134.	3.4	6
9	Optimal Energy Management for Fuel and Emissions Minimization of Series Hybrid Electric Vehicles with Consideration of Engine Preheating. , 2021, , .		0
10	Decentralized Model Predictive Control for Automated and Connected Electric Vehicles at Signal-free Intersections. , 2021, , .		3
11	Robust Frequency-Adaptive PLL with Lyapunov Stability Guarantees. , 2020, , .		2
12	Joint Propulsion and Cooling Energy Management of Hybrid Electric Vehicles by Optimal Control. IEEE Transactions on Vehicular Technology, 2020, 69, 4894-4906.	6.3	11
13	Optimal Motion Control for Connected and Automated Electric Vehicles at Signal-Free Intersections. , 2020, , .		6
14	Optimal Vehicle Following Strategy for Joint Velocity and Energy Management Control of Series Hybrid Electric Vehicles. IFAC-PapersOnLine, 2020, 53, 14161-14166.	0.9	4
15	Optimized Design of Multi-Speed Transmissions for Parallel Hybrid Electric Vehicles. IFAC-PapersOnLine, 2020, 53, 14147-14153.	0.9	3
16	Optimal Control for Connected and Autonomous Vehicles at Signal-Free Intersections. IFAC-PapersOnLine, 2020, 53, 15306-15311.	0.9	9
17	Truncated Battery Power Following Strategy for Energy Management Control of Series Hybrid Electric Vehicles. , 2019, , .		5
18	Series Hybrid Electric Vehicle Simultaneous Energy Management and Driving Speed Optimization. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2756-2767.	5.8	55

#	Article	IF	Citations
19	Robust deadbeat continuous-time observer design based on modulation integrals. Automatica, 2019, 107, 95-102.	5.0	26
20	Finite-time estimation of multiple exponentially-damped sinusoidal signals: A kernel-based approach. Automatica, 2019, 106, 1-7.	5.0	17
21	Globally-stable tracking and estimation for single-phase electrical signals with DC-offset rejection. , 2019, , .		2
22	Hybrid Electric Vehicle Two-Step Fuel Efficiency Optimization With Decoupled Energy Management and Speed Control. IEEE Transactions on Vehicular Technology, 2019, 68, 11492-11504.	6.3	20
23	Identification of multi-sinusoidal signals with direct frequency estimation: An adaptive observer approach. Automatica, 2019, 99, 338-345.	5.0	27
24	Online Detection of Fundamental and Interharmonics in AC Mains for Parallel Operation of Multiple Grid-Connected Power Converters. IEEE Transactions on Power Electronics, 2018, 33, 9318-9330.	7.9	14
25	An Adaptive-Observer-Based Robust Estimator of Multi-sinusoidal Signals. IEEE Transactions on Automatic Control, 2018, 63, 1618-1631.	5.7	16
26	Fuel Efficiency Optimization Methodologies for Series Hybrid Electric Vehicles. , 2018, , .		13
27	Impact of Optimally Controlled Continuously Variable Transmission on Fuel Economy of a Series Hybrid Electric Vehicle. , 2018, , .		3
28	A Fast-Convergent Modulation Integral Observer for Online Detection of the Fundamental and Harmonics in Grid-Connected Power Electronics Systems. IEEE Transactions on Power Electronics, 2017, 32, 2596-2607.	7.9	23
29	Robust finite-time estimation of biased sinusoidal signals: A volterra operators approach. Automatica, 2017, 77, 120-132.	5.0	32
30	Estimation of Damped Sinusoidal Signals: an Observer-Based Approach. IFAC-PapersOnLine, 2017, 50, 3811-3816.	0.9	6
31	A deadbeat estimator-based fault isolation scheme for nonlinear systems. , 2016, , .		0
32	Estimation of multi-sinusoidal signals: A deadbeat methodology. , 2016, , .		2
33	A parallel prefiltering approach for the identification of a biased sinusoidal signal: Theory and experiments. International Journal of Adaptive Control and Signal Processing, 2015, 29, 1591-1608.	4.1	11
34	Deadbeat kernel-based frequency estimation of a biased sinusoidal signal. , 2015, , .		4
35	Semi-global direct estimation of multiple frequencies with an adaptive observer having minimal parameterization. , 2015, , .		6
36	The modulation integral observer for linear continuous-time systems. , 2015, , .		6

#	Article	IF	Citations
37	Frequency estimation of periodic signals: An adaptive observer approach. , 2015, , .		1
38	Robust parametric estimation of biased sinusoidal signals: A parallel pre-filtering approach. , 2014, , .		8
39	An adaptive observer-based estimator for multi-sinusoidal signals. , 2014, , .		11
40	An Adaptive Observer-Based Switched Methodology for the Identification of a Perturbed Sinusoidal Signal: Theory and Experiments. IEEE Transactions on Signal Processing, 2014, 62, 6355-6365.	5.3	24
41	Sinusoidal signal estimation from a noisy-biased measurement by an enhanced PLL with generalized error filtering. , 2014, , .		6
42	Robust Sinusoid Identification With Structured and Unstructured Measurement Uncertainties. IEEE Transactions on Automatic Control, 2014, 59, 1588-1593.	5.7	25
43	A nonlinear adaptive observer with excitation-based switching. , 2013, , .		5
44	Adaptive observer-based sinusoid identification: Structured and bounded unstructured measurement disturbances. , 2013, , .		7