

Robert Prucka

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

171
citations

1937685

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2053705

5
g-index

21
all docs

21
docs citations

21
times ranked

95
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Hybrid Electric Vehicle Powertrain Control Based on Iterative Dynamic Programming. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .	1.6	4
2	Evaluation of autoignition models for production control of a spark-assisted compression ignition engine. International Journal of Engine Research, 2021, 22, 2732-2744.	2.3	7
3	Online Spark Timing Optimization With Complex High-Fidelity Combustion Phasing, Knock, and Coefficient of Variation of IMEP Models. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	1.6	0
4	A Quasi-Dimensional Fuel Distribution Model for a Radially Stratified Engine. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	0
5	Short-term and long-term adaptation algorithm for low-pressure exhaust gas recirculation estimation in spark-ignition engines. International Journal of Engine Research, 2019, 20, 424-440.	2.3	1
6	Observer-Based Cylinder Air Charge Estimation for Spark-Ignition Engines. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	6
7	Model Predictive Engine Speed Control for Transmissions With Dog Clutches. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	3
8	Input Adaptation for Control Oriented Physics-Based SI Engine Combustion Models Based on Cylinder Pressure Feedback. SAE International Journal of Engines, 2015, 8, 1463-1471.	0.4	7
9	Control-oriented residual gas mass prediction for spark ignition engines. International Journal of Engine Research, 2015, 16, 897-907.	2.3	13
10	Pattern recognition technique based active set QP strategy applied to MPC for a driving cycle test. , 2015, , .		12
11	Model-Based Control-Oriented Combustion Phasing Feedback for Fast CA50 Estimation. SAE International Journal of Engines, 0, 8, 997-1004.	0.4	11
12	Assessment of Cooled Low Pressure EGR in a Turbocharged Direct Injection Gasoline Engine. SAE International Journal of Engines, 0, 8, 1535-1543.	0.4	35
13	Physics-Based Exhaust Pressure and Temperature Estimation for Low Pressure EGR Control in Turbocharged Gasoline Engines. , 0, , .		5
14	A Review of Spark-Ignition Engine Air Charge Estimation Methods. , 0, , .		18
15	Model-Based Optimal Combustion Phasing Control Strategy for Spark Ignition Engines. SAE International Journal of Engines, 0, 9, 1170-1179.	0.4	10
16	A Control Algorithm for Low Pressure - EGR Systems Using a Smith Predictor with Intake Oxygen Sensor Feedback. , 0, , .		9
17	A Real-Time Model for Spark Ignition Engine Combustion Phasing Prediction. SAE International Journal of Engines, 0, 9, 1180-1190.	0.4	16
18	A Nonlinear Model Predictive Control Strategy with a Disturbance Observer for Spark Ignition Engines with External EGR. SAE International Journal of Commercial Vehicles, 0, 10, 360-372.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Evaluation of control-oriented flame propagation models for production control of a spark-assisted compression ignition engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702110208.	1.9	3
20	Neural Network Design of Control-Oriented Autoignition Model for Spark Assisted Compression Ignition Engines. , 0, , .		1
21	Integrated Engine States Estimation Using Extended Kalman Filter and Disturbance Observer. SAE International Journal of Advances and Current Practices in Mobility, 0, 2, 929-938.	2.0	3