

Magnus SjÅberg

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,290
citations

687363

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docs citations

30
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Smoothing HCCI Heat-Release Rates Using Partial Fuel Stratification with Two-Stage Ignition Fuels. , 0, , ,		185
2	Spectroscopic and chemical-kinetic analysis of the phases of HCCI autoignition and combustion for single- and two-stage ignition fuels. Combustion and Flame, 2008, 154, 387-409.	5.2	152
3	Comparing Enhanced Natural Thermal Stratification Against Retarded Combustion Phasing for Smoothing of HCCI Heat-Release Rates. , 0, ,		148
4	Tailoring HCCI heat-release rates with partial fuel stratification: Comparison of two-stage and single-stage-ignition fuels. Proceedings of the Combustion Institute, 2011, 33, 3047-3055.	3.9	148
5	What fuel properties enable higher thermal efficiency in spark-ignited engines?. Progress in Energy and Combustion Science, 2021, 82, 100876.	31.2	110
6	Combined Effects of Fuel and Dilution Type on Efficiency Gains of Lean Well-Mixed DISI Engine Operation with Enhanced Ignition and Intake Heating for Enabling Mixed-Mode Combustion. SAE International Journal of Engines, 0, 9, 750-767.	0.4	49
7	Impact of coolant temperature on piston wall-wetting and smoke generation in a stratified-charge DISI engine operated on E30 fuel. Proceedings of the Combustion Institute, 2019, 37, 4955-4963.	3.9	49
8	Using PIV Measurements to Determine the Role of the In-Cylinder Flow Field for Stratified DISI Engine Combustion. SAE International Journal of Engines, 0, 7, 615-632.	0.4	45
9	PIV examination of spray-enhanced swirl flow for combustion stabilization in a spray-guided stratified-charge direct-injection spark-ignition engine. International Journal of Engine Research, 2015, 16, 306-322.	2.3	38
10	The role of spray-enhanced swirl flow for combustion stabilization in a stratified-charge DISI engine. Combustion and Flame, 2016, 168, 166-185.	5.2	37
11	Measurements of laminar flame speeds and flame instability analysis of E30-air premixed flames at elevated temperatures and pressures. Fuel, 2020, 259, 116223.	6.4	32
12	High-speed imaging of spray-guided DISI engine combustion with near-TDC injection of E85 for ultra-low NO and soot. Proceedings of the Combustion Institute, 2013, 34, 2933-2940.	3.9	31
13	NO _x -Reduction by Injection-Timing Retard in a Stratified-Charge DISI Engine using Gasoline and E85. SAE International Journal of Fuels and Lubricants, 0, 5, 1096-1113.	0.2	30
14	Fuel film thickness measurements using refractive index matching in a stratified-charge SI engine operated on E30 and alkylate fuels. Experiments in Fluids, 2018, 59, 1.	2.4	30
15	Combined effects of flow/spray interactions and EGR on combustion variability for a stratified DISI engine. Proceedings of the Combustion Institute, 2015, 35, 2907-2914.	3.9	26
16	High-speed PIV, spray, combustion luminosity, and infrared fuel-vapor imaging for probing tumble-flow-induced asymmetry of gasoline distribution in a spray-guided stratified-charge DISI engine. Proceedings of the Combustion Institute, 2017, 36, 3459-3466.	3.9	25
17	The use of partial fuel stratification to enable stable ultra-lean deflagration-based Spark-Ignition engine operation with controlled end-gas autoignition of gasoline and E85. International Journal of Engine Research, 2020, 21, 1678-1695.	2.3	22
18	Role of Engine Speed and In-Cylinder Flow Field for Stratified and Well-Mixed DISI Engine Combustion Using E70. SAE International Journal of Engines, 0, 7, 642-655.	0.4	19

#	ARTICLE	IF	CITATIONS
19	Effect of engine conditions and injection timing on piston-top fuel films for stratified direct-injection spark-ignition operation using E30. International Journal of Engine Research, 2020, 21, 302-318.	2.3	19
20	Combined effects of intake flow and spark-plug location on flame development, combustion stability and end-gas autoignition for lean spark-ignition engine operation using E30 fuel. International Journal of Engine Research, 2018, 19, 86-95.	2.3	17
21	Optical Investigation of a Partial Fuel Stratification Strategy to Stabilize Overall Lean Operation of a DISI Engine Fueled with Gasoline and E30. Energies, 2021, 14, 396.	3.1	13
22	Numerical Investigation of Fuel Property Effects on Mixed-Mode Combustion in a Spark-Ignition Engine. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	13
23	Impact of coolant temperature on the combustion characteristics and emissions of a stratified-charge direct-injection spark-ignition engine fueled with E30. Fuel, 2022, 309, 121913.	6.4	11
24	Effects of Injection Timing and Duration on Fuel-Spray Collapse and Wall-Wetting in a Stratified Charge SI Engine. , 0, , .		10
25	Ability of Particulate Matter Index to describe sooting tendency of various gasoline formulations in a stratified-charge spark-ignition engine. Proceedings of the Combustion Institute, 2021, 38, 5791-5799.	3.9	8
26	Large Eddy Simulation of Lean Mixed-Mode Combustion Assisted by Partial Fuel Stratification in a Spark-Ignition Engine. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	7
27	Parallel Multi-Cycle LES of an Optical Pent-Roof DISI Engine Under Motored Operating Conditions. , 2017, , .		6
28	The influence of intake flow and coolant temperature on gasoline spray morphology during early-injection DISI engine operation. International Journal of Engine Research, 2023, 24, 1813-1839.	2.3	6
29	Influence of gasoline fuel formulation on lean autoignition in a mixed-mode-combustion (deflagration/autoignition) engine. Combustion and Flame, 2022, 242, 112163.	5.2	4
30	Optimization of fuel formulation using adaptive learning and artificial intelligence. , 2022, , 27-45.		0