Sage Kokjohn

List of Publications by Year
in descending order

14 papers	1,069 citations	1478505 6 h-index	1872680 6 g-index
14 all docs	14 docs citations	14 times ranked	582 citing authors

#	Article	IF	Citations
1	Reactivity Controlled Compression Ignition (RCCI) Heavy-Duty Engine Operation at Mid-and High-Loads with Conventional and Alternative Fuels. , 0, , .		254
2	Fuel Effects on Reactivity Controlled Compression Ignition (RCCI) Combustion at Low Load. SAE International Journal of Engines, 0, 4, 394-411.	0.4	150
3	Investigation of Fuel Reactivity Stratification for Controlling PCI Heat-Release Rates Using High-Speed Chemiluminescence Imaging and Fuel Tracer Fluorescence. SAE International Journal of Engines, 0, 5, 248-269.	0.4	141
4	An Optical Investigation of Ignition Processes in Fuel Reactivity Controlled PCCI Combustion. SAE International Journal of Engines, 0, 3, 142-162.	0.4	105
5	In-Cylinder Fuel Blending of Gasoline/Diesel for Improved Efficiency and Lowest Possible Emissions on a Multi-Cylinder Light-Duty Diesel Engine. , 0, , .		92
6	Numerical investigation of spontaneous flame propagation under RCCI conditions. Combustion and Flame, 2015, 162, 3412-3426.	5.2	75
7	Injection Effects in Low Load RCCI Dual-Fuel Combustion. , 0, , .		70
8	Light-Duty Reactivity Controlled Compression Ignition Combustion Using a Cetane Improver. , 0, , .		54
9	A numerical investigation of the combustion kinetics of reactivity controlled compression ignition (RCCI) combustion in an optical engine. Fuel, 2019, 241, 753-766.	6.4	42
10	Development and validation of a reduced chemical kinetic model for dimethyl ether combustion. Fuel, 2015, 160, 165-177.	6.4	33
11	Computational optimization of a combustion system for a stoichiometric DME fueled compression ignition engine. Fuel, 2018, 223, 20-31.	6.4	20
12	A comparative numerical investigation of reactivity controlled compression ignition combustion using Large Eddy Simulation and Reynolds-Averaged Navier-Stokes approaches. Fuel, 2019, 257, 116023.	6.4	18
13	Development and validation of a reduced reaction mechanism with a focus on diesel fuel/syngas co-oxidation. Fuel, 2016, 185, 663-683.	6.4	14
14	Numerical Optimization of the Combustion System of a HD Compression Ignition Engine Fueled with DME Considering Current and Future Emission Standards. , 0, , .		1