

# Gen Shibata

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

107  
citations

1478505

6  
h-index

1474206

9  
g-index

21  
all docs

21  
docs citations

21  
times ranked

60  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal efficiency improvement with super-charging and cooled exhaust gas recirculation in semi-premixed diesel combustion with a twin peak shaped heat release. International Journal of Engine Research, 2019, 20, 80-91.	2.3	14
2	Improvements in thermal efficiency of premixed diesel combustion with optimization of combustion-related parameters and fuel volatilities. International Journal of Engine Research, 2015, 16, 81-91.	2.3	13
3	Optimization of multiple heat releases in pre-mixed diesel engine combustion for high thermal efficiency and low combustion noise by a genetic-based algorithm method. International Journal of Engine Research, 2019, 20, 540-554.	2.3	12
4	Measurements of fuel adhesion on cylinder walls and fuel wall-flow behavior with post diesel fuel injections. International Journal of Engine Research, 2020, 21, 352-366.	2.3	11
5	Spark knock suppression in spark ignition engines with hydrogen addition under low and high engine speeds. International Journal of Hydrogen Energy, 2022, 47, 18169-18181.	7.1	11
6	Effects of Chemical Compositions and Cetane Number of Fischer-Tropsch Fuels on Diesel Engine Performance. Energies, 2022, 15, 4047.	3.1	9
7	Fuel adhesion and oil splash on oil-wet cylinder walls with post diesel fuel injections. International Journal of Engine Research, 2021, 22, 1685-1701.	2.3	7
8	Semi-Premixed Diesel Combustion with Twin Peak Shaped Heat Release Using Two-Stage Fuel Injection. , 0, , .		6
9	Impingement and Adhesion on Cylinder Liners with Post Diesel Fuel Injections. , 2016, , .		5
10	Optimization of gasoline compression ignition combustion with ozone addition and two-stage direct-injection at middle loads. International Journal of Engine Research, 2022, 23, 232-242.	2.3	5
11	Influence of fuel properties on operational range and combustion characteristics of premixed diesel combustion with high volatility fuel. International Journal of Engine Research, 2014, 15, 557-564.	2.3	4
12	Mechanism of thermal efficiency improvement in twin shaped semi-premixed diesel combustion. International Journal of Engine Research, 0, , 146808742110264.	2.3	3
13	Optimization of combustion noise and thermal efficiency in diesel engines over a wide speed and load operational range. International Journal of Engine Research, 2020, 21, 698-712.	2.3	2
14	Development of an Ammonia-SCR Reaction Computation Model and Experimental Studies of Zeolite Catalysts. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, A311.	0.1	2
15	Thermal Efficiency Improvements with Split Primary Fuel Injections in Semi-Premixed Diesel Combustion with Multi-Peak Shaped Heat Release. , 0, , .		2
16	EEI-1 NOx Reduction Characteristics of DME-SCR System for Diesel Engines(EE: Exhaust Emissions and) Tj ETQq0 0 0 rgBT /Overlock 10 and Modeling of Combustion in Internal Combustion Engines, 2012, 2012.8, 263-268.	0.1	1
17	Effect of Fuel Composition on Vaporization Behavior in Gasoline Engines"Analyzing In-cylinder Gas Composition by High Speed Gas Sampling System". Journal of the Japan Petroleum Institute, 2013, 56, 32-43.	0.6	0
18	Fuel reformation by piston compression of rich air-fuel mixture. International Journal of Engine Research, 0, , 146808742110475.	2.3	0

#	ARTICLE	IF	CITATIONS
19	HC1-2 Influence of Fuel Properties on Operational Range and Combustion Characteristics of Premixed Diesel Combustion with High Volatility Fuel(HC: HCCI Combustion,General Session Papers). The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2012, 2012.8, 392-397.	0.1	0
20	Auto-ignition Characteristics of Gasoline Sprays with Two-Stage Injection in CI Engines. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, B201.	0.1	0
21	Oxidation phenomena of diesel post fuel in the expansion stroke. International Journal of Engine Research, 0, , 146808742210751.	2.3	0