

Qinglong Tang

List of Publications by Year in descending order

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46
papers

1,223
citations

430754

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454834

30
g-index

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docs citations

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times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical study of spray-wall impingement impact on early-injection gasoline partially premixed combustion at low engine load. <i>Applied Energy</i> , 2017, 185, 708-719.	5.1	85
2	Homogeneous charge compression ignition (HCCI) and partially premixed combustion (PPC) in compression ignition engine with low octane gasoline. <i>Energy</i> , 2018, 158, 181-191.	4.5	78
3	A comparative study on partially premixed combustion (PPC) and reactivity controlled compression ignition (RCCI) in an optical engine. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4759-4766.	2.4	76
4	Study on ignition and flame development in gasoline partially premixed combustion using multiple optical diagnostics. <i>Combustion and Flame</i> , 2017, 177, 98-108.	2.8	75
5	Multiple optical diagnostics on effect of fuel stratification degree on reactivity controlled compression ignition. <i>Fuel</i> , 2017, 202, 688-698.	3.4	73
6	Numerical simulation of combustion and soot under partially premixed combustion of low-octane gasoline. <i>Fuel</i> , 2018, 211, 420-431.	3.4	61
7	Effects of direct-injection fuel types and proportion on late-injection reactivity controlled compression ignition. <i>Combustion and Flame</i> , 2020, 211, 445-455.	2.8	53
8	Effects of Flame Temperature on PAHs and Soot Evolution in Partially Premixed and Diffusion Flames of a Diesel Surrogate. <i>Energy & Fuels</i> , 2019, 33, 11821-11829.	2.5	50
9	Optical diagnostics on the pre-chamber jet and main chamber ignition in the active pre-chamber combustion (PCC). <i>Combustion and Flame</i> , 2021, 228, 218-235.	2.8	50
10	Naphtha vs. dieseline – The effect of fuel properties on combustion homogeneity in transition from CI combustion towards HCCI. <i>Fuel</i> , 2018, 224, 451-460.	3.4	44
11	Combustion stability study of partially premixed combustion with low-octane fuel at low engine load conditions. <i>Applied Energy</i> , 2019, 235, 56-67.	5.1	39
12	In-Cylinder Combustion and Soot Evolution in the Transition from Conventional Compression Ignition (CI) Mode to Partially Premixed Combustion (PPC) Mode. <i>Energy & Fuels</i> , 2018, 32, 2306-2320.	2.5	30
13	Optical diagnostics on the reactivity controlled compression ignition (RCCI) with micro direct-injection strategy. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4767-4775.	2.4	30
14	Combustion stability study of partially premixed combustion by high-pressure multiple injections with low-octane fuel. <i>Applied Energy</i> , 2019, 248, 626-639.	5.1	29
15	Impact of spray-wall interaction on the in-cylinder spatial unburned hydrocarbon distribution of a gasoline partially premixed combustion engine. <i>Combustion and Flame</i> , 2020, 215, 157-168.	2.8	28
16	Fluorescence Spectra of Polycyclic Aromatic Hydrocarbons and Soot Concentration in Partially Premixed Flames of Diesel Surrogate Containing Oxygenated Additives. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2015, 31, 32-40.	2.2	26
17	Combustion Stratification for Naphtha from CI Combustion to PPC. , 0, , .		25
18	Experimental Study on the Effects of Spray-Wall Interaction on Partially Premixed Combustion and Engine Emissions. <i>Energy & Fuels</i> , 2019, 33, 5673-5681.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Optical diagnostics on the effects of fuel properties and coolant temperatures on combustion characteristic and flame development progress from HCCI to CDC via PPC. Fuel, 2020, 269, 117441.	3.4	23
20	Simultaneous Measurement of Natural Flame Luminosity and Emission Spectra in a RCCI Engine under Different Fuel Stratification Degrees. SAE International Journal of Engines, 0, 10, 1155-1162.	0.4	21
21	Investigation on the dual-fuel active-thermal atmosphere combustion strategy based on optical diagnostics and numerical simulations. Fuel, 2020, 276, 118023.	3.4	21
22	Multiple spark plugs coupled with pressure sensors: A new approach for knock mechanism study on SI engines. Energy, 2021, 227, 120382.	4.5	21
23	Study on the effects of narrow-throat pre-chamber geometry on the pre-chamber jet velocity using dual formaldehyde PLIF imaging. Combustion and Flame, 2022, 240, 111987.	2.8	21
24	Combustion Homogeneity and Emission Analysis during the Transition from CI to HCCI for FACE I Gasoline. , 0, , .		18
25	Effects of fuel trapping in piston crevice on unburned hydrocarbon emissions in early-injection compression ignition engines. Combustion and Flame, 2021, 231, 111496.	2.8	18
26	Analysis of Transition from HCCI to CI via PPC with Low Octane Gasoline Fuels Using Optical Diagnostics and Soot Particle Analysis. , 0, , .		16
27	A comparative study of isobaric combustion and conventional diesel combustion in both metal and optical engines. Fuel, 2021, 295, 120638.	3.4	15
28	Study of spray/wall interaction in transition zones from HCCI via PPC to CI combustion modes. Fuel, 2020, 268, 117341.	3.4	14
29	Study on the Double Injection Strategy of Gasoline Partially Premixed Combustion under a Light-Duty Optical Engine. SAE International Journal of Engines, 2016, 9, 2185-2193.	0.4	13
30	Optical diagnostics and multi-point pressure sensing on the knocking combustion with multiple spark ignition. Combustion and Flame, 2022, 236, 111802.	2.8	13
31	Effect of Aromatics on Combustion Stratification and Particulate Emissions from Low Octane Gasoline Fuels in PPC and HCCI Mode. , 0, , .		12
32	Optical diagnostics on the effects of reverse reactivity stratification on the flame development in dual-fuel combustion. Fuel, 2021, 287, 119500.	3.4	12
33	Simultaneous Negative PLIF and OH* Chemiluminescence Imaging of the Gas Exchange and Flame Jet from a Narrow Throat Pre-Chamber. , 0, , .		12
34	Study on the Pre-Chamber Fueling Ratio Effect on the Main Chamber Combustion Using Simultaneous PLIF and OH* Chemiluminescence Imaging. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 137-149.	2.0	12
35	Compression Ignition of Light Naphtha and Its Multicomponent Surrogate under Partially Premixed Conditions. , 0, , .		11
36	Investigations into the Effects of Spark Plug Location on Knock Initiation by using Multiple Pressure Transducers. , 0, , .		10

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37	High-Speed Imaging of Main-Chamber Combustion of a Narrow Throat Pre-Chamber under Lean Conditions. , 0, , .		10
38	Optical Study on the Fuel Spray Characteristics of the Four-Consecutive-Injections Strategy Used in High-Pressure Isobaric Combustion. , 0, , .		10
39	Effects of multiple spark ignition on engine knock under different compression ratio and fuel octane number conditions. Fuel, 2022, 310, 122471.	3.4	10
40	Study on In-Cylinder Charge Stratification of a Dual-Fuel Engine Using Fuel-Tracer Laser-Induced Fluorescence and Chemical Kinetic Simulation. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 2879-2890.	2.2	8
41	Isobaric Combustion for High Efficiency in an Optical Diesel Engine. , 0, , .		7
42	The effects of compression ratio and combustion initiation location on knock emergence by using multiple pressure sensing devices. International Journal of Engine Research, 2023, 24, 1121-1139.	1.4	6
43	In-cylinder visualization and engine out emissions from CI to PPC for fuels with different properties. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, C310.	0.1	5
44	Laser-Induced Fluorescence Measurements of Formaldehyde and OH Radicals in Dual-Fuel Combustion Process in Engine. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 2269-2277.	2.2	3
45	Quantitative Measurements of Soot Volume Fractions in Diesel Engine Using Laser-Induced Incandescence Method. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 980-988.	2.2	3
46	Study of Fuel Octane Sensitivity Effects on Gasoline Partially Premixed Combustion Using Optical Diagnostics. , 0, , .		3