

# Preferential cavitation and friction-induced heating of surrogates up to 450MPa

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Machine Learning and transcritical sprays: A demonstration study of their potential in ECN Spray-A. International Journal of Engine Research, 2022, 23, 1556-1572.	2.3	16
2	Transient Cavitation and Friction-Induced Heating Effects of Diesel Fuel during the Needle Valve Early Opening Stages for Discharge Pressures up to 450 MPa. Energies, 2021, 14, 2923.	3.1	11
3	A direct forcing immersed boundary method for cavitating flows. International Journal for Numerical Methods in Fluids, 2021, 93, 3092-3130.	1.6	4
4	Simulation of transient effects in a fuel injector nozzle using real-fluid thermodynamic closure. Applications in Energy and Combustion Science, 2021, 7, 100037.	1.5	7
6	Modelling of liquid oxygen nozzle flows under subcritical and supercritical pressure conditions. International Journal of Heat and Mass Transfer, 2021, 177, 121559.	4.8	8
7	Numerical Simulation of Multicomponent Diesel Fuel Spray Surrogates Using Real-Fluid Thermodynamic Modelling. , 0, , .		1
8	Experimental Investigation of Cavitation-Induced Erosion Using X-Ray Imaging and Tomography. Frontiers in Mechanical Engineering, 2022, 8, .	1.8	1
9	Construction of surrogate fuels for lower freezing point diesels based on component and functional groups analysis. Fuel Processing Technology, 2022, 235, 107359.	7.2	2
10	Investigation of the combustion process of activated fuel in an automotive diesel engine. Traktory i Sel Hozmashiny, 2022, 89, 31-41.	0.1	0
11	Method and a Device for Testing the Friction Force in Precision Pairs of Injection Apparatus of the Self-Ignition Engines. Energies, 2022, 15, 6898.	3.1	2
12	Numerical research on characteristics of fuel heating and subcooling in the nozzle hole of common rail injector. International Journal of Heat and Mass Transfer, 2023, 200, 123508.	4.8	1
15	Assessment of injector-flow characteristics of additised and renewable diesel blends through high-speed imaging. Fuel, 2023, 352, 129076.	6.4	1
16	A general predictive methodology for fuel-mixture properties up to supercritical conditions. Fluid Phase Equilibria, 2023, 574, 113888.	2.5	0
17	A mass transfer cavitation model for the numerical flow simulation of binary alkane mixture segregation. Journal of Computational Physics, 2023, 491, 112382.	3.8	1
18	Numerical study on the effects of viscous heating and random rough surface on cavitating flow in fuel injection nozzles. International Communications in Heat and Mass Transfer, 2023, 148, 107009.	5.6	0
19	Modelling of liquid oxygen and nitrogen injection under flashing conditions. Applied Thermal Engineering, 2024, 237, 121773.	6.0	2
20	Prediction of shock heating during ultrasound-induced bubble collapse using real-fluid equations of state. Ultrasonics Sonochemistry, 2023, 101, 106663.	8.2	0
21	Simulation study on the cavitation distribution in the ball valve of a common rail injector. International Journal of Engine Research, 0, , .	2.3	0

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22	Three-dimensional simulation of binary alkane mixture flow in a ballistic cycle of a high-pressure direct fuel injector using a mass transfer cavitation model. International Journal of Heat and Mass Transfer, 2024, 226, 125427.	4.8	0