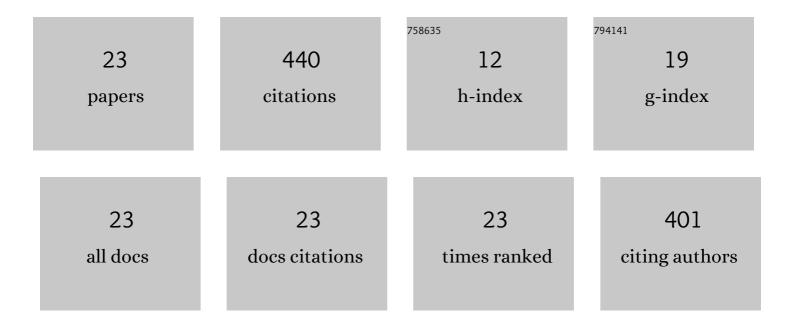
## Hesammedin Fatehi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6629143/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Effect of In-cylinder Flow Structures on Late Cycle Soot Oxidation in a Quiescent Heavy-duty Diesel Engine. Combustion Science and Technology, 2022, 194, 316-336.	1.2	3
2	Multi-region modeling of conversion of a thick biomass particle and the surrounding gas phase reactions. Combustion and Flame, 2022, 237, 111725.	2.8	12
3	CFD modeling of biomass combustion and gasification in fluidized bed reactors using a distribution kernel method. Combustion and Flame, 2022, 236, 111744.	2.8	22
4	Effect of buoyancy on dispersion of reactive pollutants in urban canyons. Atmospheric Pollution Research, 2022, 13, 101502.	1.8	2
5	Numerical study on K/S/Cl release during devolatilization of pulverized biomass at high temperature. Proceedings of the Combustion Institute, 2021, 38, 3909-3917.	2.4	15
6	Numerical simulation of a mixed-mode reaction front in a PPC engine. Proceedings of the Combustion Institute, 2021, 38, 5703-5711.	2.4	5
7	LES study of diesel flame/wall interaction and mixing mechanisms at different wall distances. Proceedings of the Combustion Institute, 2021, 38, 5597-5604.	2.4	17
8	Recent Development in Numerical Simulations and Experimental Studies of Biomass Thermochemical Conversion. Energy & Fuels, 2021, 35, 6940-6963.	2.5	45
9	Numerical study of the combustion and application of SNCR for NO reduction in a lab-scale biomass boiler. Fuel, 2021, 293, 120154.	3.4	25
10	Potassium Release from Biomass Particles during Combustion—Real-Time In Situ TDLAS Detection and Numerical Simulation. Applied Sciences (Switzerland), 2021, 11, 8887.	1.3	10
11	Numerical simulation of ignition mode and ignition delay time of pulverized biomass particles. Combustion and Flame, 2019, 206, 400-410.	2.8	31
12	Biomass steam gasification in bubbling fluidized bed for higher-H2 syngas: CFD simulation with coarse grain model. International Journal of Hydrogen Energy, 2019, 44, 6448-6460.	3.8	60
13	A Numerical Study on the Sensitivity of Soot and NOx Formation to the Operating Conditions in Heavy Duty Engines. , 2018, , .		3
14	Rotational CARS thermometry and concentration measurements in ethaneâ€nitrogen mixtures using Fourier analysis. Journal of Raman Spectroscopy, 2018, 49, 1096-1108.	1.2	9
15	Gas phase combustion in the vicinity of a biomass particle during devolatilization – Model development and experimental verification. Combustion and Flame, 2018, 196, 351-363.	2.8	14
16	Structural evolution of biomass char and its effect on the gasification rate. Applied Energy, 2017, 185, 998-1006.	5.1	49
17	Effect of Volatile Reactions on the Thermochemical Conversion of Biomass Particles. Energy Procedia, 2017, 105, 4648-4654.	1.8	3
18	Modeling of alkali metal release during biomass pyrolysis. Proceedings of the Combustion Institute, 2017, 36, 2243-2251.	2.4	44

#	Article	IF	CITATIONS
19	Effect of Pore Size on the Gasification of Biomass Char. Energy Procedia, 2015, 75, 779-785.	1.8	15
20	A Comprehensive Mathematical Model for Biomass Combustion. Combustion Science and Technology, 2014, 186, 574-593.	1.2	50
21	Numerical Investigation of Methanol Ignition Sequence in an Optical PPC Engine with Multiple Injection Strategies. , 0, , .		4
22	Large Eddy Simulation of an Ignition Front in a Heavy Duty Partially Premixed Combustion Engine. , 0, , .		0
23	Effects of In-Cylinder Flow Structures on Soot Formation and Oxidation in a Swirl-Supported Light-Duty Diesel Engine. , 0, , .		2