

Xu Wen

List of Publications by Year in descending order

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252
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame structure analysis and composition space modeling of thermodiffusively unstable premixed hydrogen flames H_2 Part II: Elevated pressure. Combustion and Flame, 2022, 238, 111808.	5.2	8
2	Flame structure analysis and composition space modeling of thermodiffusively unstable premixed hydrogen flames H_2 Part I: Atmospheric pressure. Combustion and Flame, 2022, 238, 111815.	5.2	10
3	Flamelet LES of swirl-stabilized oxy-fuel flames using directly coupled multi-step solid fuel kinetics. Combustion and Flame, 2022, 241, 112062.	5.2	6
4	Strain Rate Effects on Head-on Quenching of Laminar Premixed Methane-air flames. Flow, Turbulence and Combustion, 2021, 106, 631-647.	2.6	11
5	Effects of air and oxy-fuel atmospheres on flamelet modeling of pollutant formation in laminar counterflow solid fuel flames. Fuel, 2021, 285, 119079.	6.4	3
6	Investigation of the ignition processes of a multi-injection flame in a Diesel engine environment using the flamelet model. Proceedings of the Combustion Institute, 2021, 38, 5605-5613.	3.9	6
7	Detailed analysis of early-stage NO formation in turbulent pulverized coal combustion with fuel-bound nitrogen. Proceedings of the Combustion Institute, 2021, 38, 4111-4119.	3.9	9
8	Flame structure analysis of turbulent premixed/stratified flames with H_2 addition considering differential diffusion and stretch effects. Proceedings of the Combustion Institute, 2021, 38, 2993-3001.	3.9	13
9	Flamelet LES of a swirl-stabilized multi-stream pulverized coal burner in air and oxy-fuel atmospheres with pollutant formation. Proceedings of the Combustion Institute, 2021, 38, 4141-4149.	3.9	15
10	Carrier-phase DNS of detailed NO_x formation in early-stage pulverized coal combustion with fuel-bound nitrogen. Fuel, 2021, 291, 119998.	6.4	13
11	Flamelet LES of turbulent premixed/stratified flames with H_2 addition. Combustion and Flame, 2021, 230, 111428.	5.2	13
12	Advanced modeling approaches for CFD simulations of coal combustion and gasification. Progress in Energy and Combustion Science, 2021, 86, 100938.	31.2	45
13	Large-eddy simulation of a multi-injection flame in a diesel engine environment using an unsteady flamelet/progress variable approach. Physics of Fluids, 2021, 33, .	4.0	6
14	A comprehensive study of flamelet tabulation methods for pulverized coal combustion in a turbulent mixing layer H_2 Part I: A priori and budget analyses. Combustion and Flame, 2020, 216, 439-452.	5.2	16
15	Flamelet tabulation methods for SO_x formation in pulverized solid fuel combustion. Combustion and Flame, 2020, 218, 150-167.	5.2	4
16	A comprehensive study of flamelet tabulation methods for pulverized coal combustion in a turbulent mixing layer H_2 Part II: Strong heat losses and multi-mode combustion. Combustion and Flame, 2020, 216, 453-467.	5.2	11
17	A three mixture fraction flamelet model for multi-stream laminar pulverized coal combustion. Proceedings of the Combustion Institute, 2019, 37, 2901-2910.	3.9	35
18	Flamelet tabulation methods for solid fuel combustion with fuel-bound nitrogen. Combustion and Flame, 2019, 209, 155-166.	5.2	17

#	ARTICLE	IF	CITATIONS
19	Multi-dimensional and transient effects on flamelet modeling for turbulent pulverized coal combustion. <i>Fuel</i> , 2019, 255, 115772.	6.4	6
20	Flamelet modeling of laminar pulverized coal combustion with different particle sizes. <i>Advanced Powder Technology</i> , 2019, 30, 2964-2979.	4.1	11
21	A priori study of an extended flamelet/progress variable model for NO prediction in pulverized coal flames. <i>Energy</i> , 2019, 175, 768-780.	8.8	15
22	Analysis and flamelet modelling for laminar pulverised coal combustion considering the wall effect. <i>Combustion Theory and Modelling</i> , 2019, 23, 353-375.	1.9	3
23	An <i>a priori</i> study of different tabulation methods for turbulent pulverised coal combustion. <i>Combustion Theory and Modelling</i> , 2018, 22, 505-530.	1.9	8
24	Analysis of pulverized coal flame stabilized in a 3D laminar counterflow. <i>Combustion and Flame</i> , 2018, 189, 106-125.	5.2	42
25	A generalized flamelet tabulation method for partially premixed combustion. <i>Combustion and Flame</i> , 2018, 198, 54-68.	5.2	21
26	Evaluation of different flamelet tabulation methods for laminar spray combustion. <i>Physics of Fluids</i> , 2018, 30, .	4.0	14
27	Large-eddy simulation of multiphase combustion jet in cross-flow using flamelet model. <i>International Journal of Multiphase Flow</i> , 2018, 108, 211-225.	3.4	19
28	Numerical investigation of coal flamelet characteristics in a laminar counterflow with detailed chemistry. <i>Fuel</i> , 2017, 195, 232-242.	6.4	19
29	Large eddy simulation of piloted pulverised coal combustion using extended flamelet/progress variable model. <i>Combustion Theory and Modelling</i> , 2017, 21, 925-953.	1.9	44
30	Numerical investigation of the effects of volatile matter composition and chemical reaction mechanism on pulverized coal combustion characteristics. <i>Fuel</i> , 2017, 210, 695-704.	6.4	21
31	Evaluation of flamelet/progress variable model for laminar pulverized coal combustion. <i>Physics of Fluids</i> , 2017, 29, .	4.0	45
32	LES of pulverized coal combustion with a multi-regime flamelet model. <i>Fuel</i> , 2017, 188, 661-671.	6.4	57
33	Large eddy simulation of a semi-industrial scale coal furnace using non-adiabatic three-stream flamelet/progress variable model. <i>Applied Energy</i> , 2016, 183, 1086-1097.	10.1	49
34	Large Eddy Simulation of piloted pulverized coal combustion using the velocity-scalar joint filtered density function model. <i>Fuel</i> , 2015, 158, 494-502.	6.4	42
35	Numerical investigation of droplet evaporation and transport in a turbulent spray with LES/VSJFDF model. <i>Chemical Engineering Science</i> , 2014, 119, 251-260.	3.8	11