Kazui Fukumoto

List of Publications by Year
in descending order

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20 papers	224 citations	1306789 7 h-index	1058022 14 g-index
20 all docs	20 docs citations	20 times ranked	149 citing authors

#	Article	IF	Citations
1	Experimental and numerical simulation of multi-component combustion of typical charring material. Combustion and Flame, 2020, 211, 417-429.	2.8	81
2	Combustion and flame spreading characteristics of diesel fuel with forced air flows. Fuel, 2018, 216, 390-397.	3.4	36
3	Large eddy simulation of upward flame spread on PMMA walls with a fully coupled fluidâ€“solid approach. Combustion and Flame, 2018, 190, 365-387.	2.8	32
4	Numerical simulation of small pool fires incorporating liquid fuel motion. Combustion and Flame, 2020, 213, 441-454.	2.8	14
5	Large Eddy Simulation of a Syngas Jet Flame: Effects of Preferential Diffusion and Turbulenceâ€“Chemistry Interaction. Energy & Fuels, 2019, 33, 5561-5581.	2.5	10
6	Simulation of combustion by vortex method. Computers and Fluids, 2010, 39, 592-603.	1.3	8
7	Inhibition of temperature runaway phenomenon in the Sabatier process using bed dilution structure: <scp>LBMâ€DEM</scp> simulation. AICHE Journal, 2021, 67, e17304.	1.8	8
8	Simulation of CO-H₂-Air Turbulent Nonpremixed Flame Using the Eddy Dissipation Concept Model with Lookup Table Approach. Journal of Combustion, 2012, 2012, 1-11.	0.5	7
9	Combustion simulation technique for reducing chemical mechanisms using look-up table of chemical equilibrium calculations: Application to COâ€“H2â€“air turbulent non-premixed flame. Computers and Fluids, 2012, 66, 98-106.	1.3	7
10	Phenomenological characterization and investigation of the mechanism of flame spread over butanol-diesel blended fuel. Fuel, 2018, 233, 21-28.	3.4	7
11	A Review on Detailed Kinetic Modeling and Computational Fluid Dynamics of Thermochemical Processes of Solid Fuels. Energy & Fuels, 2021, 35, 5479-5494.	2.5	7
12	Study on the role of soot and heat fluxes in upward flame spread using a wall-resolved large eddy simulation approach. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4645-4665.	2.0	3
13	Turbulent diffusion combustion model using chemical equilibrium combined with the eddy dissipation concept for reducing detailed chemical mechanisms: An application of H2-air turbulent diffusion flame. Heat Transfer - Asian Research, 2010, 39, n/a-n/a.	2.8	2
14	Simulation of turbulent non-premixed and partially premixed flames using a look-up table. Journal of Thermal Science and Technology, 2014, 9, JTST0003-JTST0003.	0.6	1
15	Simulation of CO-H2-air Turbulent Diffusion Flame by the Combustion Model Combined Chemical Equilibrium Method with the Eddy Dissipation Concept Model. Journal of High Temperature Society, 2009, 35, 205-214.	0.1	1
16	Turbulent Diffusion Combustion Model Using Chemical Equilibrium Combined with the Eddy Dissipation Model for Simple Prediction of Combustion Products. Journal of High Temperature Society, 2009, 35, 142-150.	0.1	0
17	Simulation of H2-Air Turbulent Diffusion Flame by the Partial Chemical Equilibrium Method. , 2007, , .		0
18	Simulation of a CO-H2-Air Turbulent Diffusion Flame by the Chemical Equilibrium Method With a Few Chemical Reactions. , 2008, , .		0

#	Article	IF	Citations
19	Simulation of H2-Air Turbulent Diffusion Flame by the Combustion Model Using Chemical Equilibrium Combined With the Eddy Dissipation Concept. , 2009, , .		0
20	Simulation of H2-Air Non-Premixed Flame Using Combustion Simulation Technique to Reduce Chemical Mechanisms. , 0, , .		0