

# Kazui Fukumoto

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Study on the role of soot and heat fluxes in upward flame spread using a wall-resolved large eddy simulation approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 4645-4665.	2.0	3
2	A Review on Detailed Kinetic Modeling and Computational Fluid Dynamics of Thermochemical Processes of Solid Fuels. <i>Energy &amp; Fuels</i> , 2021, 35, 5479-5494.	2.5	7
3	Inhibition of temperature runaway phenomenon in the Sabatier process using bed dilution structure: <sc>LBM&#x2013;DEM</sc> simulation. <i>AIChE Journal</i> , 2021, 67, e17304.	1.8	8
4	Experimental and numerical simulation of multi-component combustion of typical charring material. <i>Combustion and Flame</i> , 2020, 211, 417-429.	2.8	81
5	Numerical simulation of small pool fires incorporating liquid fuel motion. <i>Combustion and Flame</i> , 2020, 213, 441-454.	2.8	14
6	Large Eddy Simulation of a Syngas Jet Flame: Effects of Preferential Diffusion and Turbulence&#x2013;Chemistry Interaction. <i>Energy &amp; Fuels</i> , 2019, 33, 5561-5581.	2.5	10
7	Large eddy simulation of upward flame spread on PMMA walls with a fully coupled fluid&#x2013;solid approach. <i>Combustion and Flame</i> , 2018, 190, 365-387.	2.8	32
8	Combustion and flame spreading characteristics of diesel fuel with forced air flows. <i>Fuel</i> , 2018, 216, 390-397.	3.4	36
9	Phenomenological characterization and investigation of the mechanism of flame spread over butanol-diesel blended fuel. <i>Fuel</i> , 2018, 233, 21-28.	3.4	7
10	Simulation of turbulent non-premixed and partially premixed flames using a look-up table. <i>Journal of Thermal Science and Technology</i> , 2014, 9, JTST0003-JTST0003.	0.6	1
11	Simulation of CO-H <sub>2</sub> -Air Turbulent Nonpremixed Flame Using the Eddy Dissipation Concept Model with Lookup Table Approach. <i>Journal of Combustion</i> , 2012, 2012, 1-11.	0.5	7
12	Combustion simulation technique for reducing chemical mechanisms using look-up table of chemical equilibrium calculations: Application to CO&#x2013;H <sub>2</sub> &#x2013;air turbulent non-premixed flame. <i>Computers and Fluids</i> , 2012, 66, 98-106.	1.3	7
13	Turbulent diffusion combustion model using chemical equilibrium combined with the eddy dissipation concept for reducing detailed chemical mechanisms: An application of H <sub>2</sub> -air turbulent diffusion flame. <i>Heat Transfer - Asian Research</i> , 2010, 39, n/a-n/a.	2.8	2
14	Simulation of combustion by vortex method. <i>Computers and Fluids</i> , 2010, 39, 592-603.	1.3	8
15	Turbulent Diffusion Combustion Model Using Chemical Equilibrium Combined with the Eddy Dissipation Model for Simple Prediction of Combustion Products. <i>Journal of High Temperature Society</i> , 2009, 35, 142-150.	0.1	0
16	Simulation of CO-H <sub>2</sub> -air Turbulent Diffusion Flame by the Combustion Model Combined Chemical Equilibrium Method with the Eddy Dissipation Concept Model. <i>Journal of High Temperature Society</i> , 2009, 35, 205-214.	0.1	1
17	Simulation of H <sub>2</sub> -Air Turbulent Diffusion Flame by the Combustion Model Using Chemical Equilibrium Combined With the Eddy Dissipation Concept. , 2009, , .		0
18	Simulation of a CO-H <sub>2</sub> -Air Turbulent Diffusion Flame by the Chemical Equilibrium Method With a Few Chemical Reactions. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Simulation of H <sub>2</sub> -Air Turbulent Diffusion Flame by the Partial Chemical Equilibrium Method. , 2007, , .		0
20	Simulation of H <sub>2</sub> -Air Non-Premixed Flame Using Combustion Simulation Technique to Reduce Chemical Mechanisms. , 0, , .		0