

Kazuki Tainaka

List of Publications by Year in descending order

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11
papers

152
citations

1163117

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1372567

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11
all docs

11
docs citations

11
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulverized coal combustion application of laser-based temperature sensing system using computed tomography “ Tunable diode laser absorption spectroscopy (CT-TDLAS). <i>Fuel</i> , 2020, 268, 117370.	6.4	32
2	Simultaneous imaging of Mie scattering, PAHs laser induced fluorescence and soot laser induced incandescence to a lab-scale turbulent jet pulverized coal flame. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 3045-3052.	3.9	25
3	Primary soot particle distributions in a combustion field of 4 kW pulverized coal jet burner measured by time resolved laser induced incandescence (TiRe-LII). <i>Journal of Thermal Science and Technology</i> , 2016, 11, JTST0049-JTST0049.	1.1	22
4	Experimental and numerical analysis of turbulent pulverized coal flame in a coaxial burner. <i>Energy</i> , 2019, 179, 727-735.	8.8	15
5	Effects of blending crude Jatropha oil and heavy fuel oil on the soot behavior of a steam atomizing burner. <i>Renewable Energy</i> , 2019, 136, 358-364.	8.9	15
6	Effects of Jatropha oil blending with C-heavy oil on soot emissions and heat absorption balance characteristics for boiler combustion. <i>Renewable Energy</i> , 2018, 126, 924-932.	8.9	13
7	Detection Improvement of Unburned Carbon Content in Fly Ash Flow Using LIBS with a Two-Stage Cyclone Measurement System. <i>Energy & Fuels</i> , 2019, 33, 7805-7812.	5.1	12
8	Unburned carbon measurement in fly ash using laser-induced breakdown spectroscopy with short nanosecond pulse width laser. <i>Advanced Powder Technology</i> , 2019, 30, 1210-1218.	4.1	8
9	Time-Series Temperature Measurement during Combustion of Volatile Matter and Coal Char of a Single Pulverized Coal Particle via Magnified Two-Color Pyrometry with Blue Backlit Imaging. <i>Energy & Fuels</i> , 2020, 34, 12918-12925.	5.1	6
10	Soot formation characteristics in a pulverized coal flame formed in a swirling flow. <i>Advanced Powder Technology</i> , 2020, 31, 3921-3927.	4.1	4
11	Visualization of the soot formation process in the volatile flame of single coal particle using 10-kHz PAHs-PLIF, LII and LIS. <i>Transactions of the JSME (in Japanese)</i> , 2021, 87, 20-00422-20-00422.	0.2	0