

# Kazuki Tainaka

## List of Publications by Year in descending order

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11  
papers

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11  
times ranked

159  
citing authors

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