Dale R Tree

List of Publications by Year
in descending order

29 papers	1,259 citations	840776 11 h-index	677142 22 g-index
29 all docs	29 docs citations	29 times ranked	1070 citing authors

#	Article	IF	Citations
1	Soot processes in compression ignition engines. Progress in Energy and Combustion Science, 2007, 33, 272-309.	31.2	659
2	Two-dimensional flame temperature and emissivity measurements of pulverized oxy-coal flames. Applied Energy, 2012, 95, 38-44.	10.1	74
3	Effects of Fuel Parameters and Diffusion Flame Lift-Off on Soot Formation in a Heavy-Duty DI Diesel Engine. , 2002, , .		70
4	Investigation of Ash Deposition Rates for a Suite of Biomass Fuels and Fuel Blends. Energy & Fuels, 2006, 20, 1008-1014.	5.1	53
5	Diffusion-Flame / Wall Interactions in a Heavy-Duty DI Diesel Engine. , 0, , .		47
6	LDA Measurements in a Pulverized Coal Flame at Three Swirl Ratios. Combustion Science and Technology, 1999, 143, 79-107.	2.3	43
7	Effects of Water-Fuel Emulsions on Spray and Combustion Processes in a Heavy-Duty DI Diesel Engine. , 0, , .		39
8	Calibration of an RGB, CCD Camera and Interpretation of its Two-Color Images for KL and Temperature. , 0, , .		33
9	Measurement of nitrogen evolution in a staged oxy-combustion coal flame. Fuel, 2012, 93, 298-304.	6.4	24
10	Fuel Composition and Molecular Structure Effects on Soot Formation in Direct-Injection Flames Under Diesel Engine Conditions. , 0, , .		21
11	In-Situ Species, Temperature and Velocity Measurements in a Pulverized Coal Flame. Combustion Science and Technology, 1999, 143, 63-77.	2.3	20
12	Extinction Measurements of In-Cylinder Soot Deposition in a Heavy-Duty DI Diesel Engine. , 2001, , .		20
13	Detailed measurements in a pulverized coal flame with natural gas reburning. Fuel, 1999, 78, 689-699.	6.4	17
14	Optical Soot Particle Size And Number Density Measurements In A Direct Injection Diesel Engine. Combustion Science and Technology, 1993, 95, 313-331.	2.3	16
15	A comparison of sulfur and chlorine gas species in pulverized-coal, air- and oxy-combustion. Combustion and Flame, 2013, 160, 2529-2539.	5.2	16
16	Optical Measurements of Soot Particle Size, Number Density, and Temperature in a Direct Injection Diesel Engine as a Function of Speed and Load. , 0, , .		15
17	Experimental measurements in the BYU controlled profile reactor. Progress in Energy and Combustion Science, 1998, 24, 355-383.	31.2	13
18	Predictions of NO_Xin a Laboratory Pulverized Coal Combustor Operating under Air and Oxy-Fuel Conditions. Combustion Science and Technology, 2009, 181, 1413-1430.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Temperature Measurement Using Infrared Spectral Band Emissions From H2O. Journal of Energy Resources Technology, Transactions of the ASME, 2016, 138, .	2.3	11
20	Prediction of Nitric Oxide Destruction by Advanced Reburning. Energy & Fuels, 2001, 15, 541-551.	5.1	10
21	Two-color transmittance measurements in a pulverized coal reactor. Proceedings of the Combustion Institute, 2000, 28, 2361-2367.	3.9	9
22	Surface temperature and time-dependent measurements of black liquor droplet combustion. AICHE Journal, 2008, 54, 1926-1931.	3.6	8
23	Radiative intensity, no emissions, and burnout for oxygen enriched biomass combustion. Proceedings of the Combustion Institute, 2015, 35, 2777-2784.	3.9	8
24	An optical method for the measurement of combustion gas temperature in particle laden flows. Experimental Thermal and Fluid Science, 2018, 98, 704-711.	2.7	5
25	A study on the effect of temperature on soot formation in a jet stirred combustor. Proceedings of the Combustion Institute, 1991, 23, 1469-1475.	0.3	4
26	Pulverized-Coal Deposits Collected Under Staged and Unstaged Oxy-Fuel Conditions for Four U.S. Coals. Combustion Science and Technology, 2013, 185, 1098-1117.	2.3	4
27	Determining Total Radiative Intensity in Combustion Gases Using an Optical Measurement. Energy & Fuels, 2018, 32, 2414-2420.	5.1	4
28	Characterization of a primary-swirled, high oxygen participation coal flame: Flame temperature, emissivity, NO, and burnout measurements. Proceedings of the Combustion Institute, 2013, 34, 2779-2786.	3.9	3
29	High-Pressure Optical Measurements of Temperature at Turbine Rotor Inlet Conditions. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	1