

Kin-Pang Cheong

List of Publications by Year in descending order

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papers

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447
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Quantification of Boundary Layer Effects on Flame Temperature Measurements Using Line-of-sight Absorption Spectroscopy. <i>Combustion Science and Technology</i> , 2022, 194, 3259-3276.	1.2	3
2	Development of an infrared laser absorption sensor for non-intrusive gas temperature measurements. <i>Energetic Materials Frontiers</i> , 2022, 3, 10-17.	1.3	1
3	Hybrid constraint multi-line absorption spectroscopy for non-uniform thermochemical measurements in axisymmetric laminar and jet flames. <i>Optics and Lasers in Engineering</i> , 2022, 154, 107014.	2.0	4
4	Nonpremixed MILD combustion in a laboratory-scale cylindrical furnace: Occurrence and identification. <i>Energy</i> , 2021, 216, 119295.	4.5	12
5	Nonpremixed Flameless Combustion in a Furnace: Influence of Burner Configuration. <i>Energy & Fuels</i> , 2021, 35, 3333-3347.	2.5	7
6	A numerical study of multiline-multiband tomographic absorption spectroscopy for axisymmetric flames. , 2021, , .		0
7	Review on MILD Combustion of Gaseous Fuel: Its Definition, Ignition, Evolution, and Emissions. <i>Energy & Fuels</i> , 2021, 35, 7572-7607.	2.5	45
8	Multispectral infrared absorption spectroscopy for quantitative temperature measurements in axisymmetric laminar premixed sooting flames. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101575.	2.8	8
9	Time-resolved characterization of non-thermal plasma-assisted photocatalytic removal of nitric oxide. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 01LT02.	1.3	4
10	An improved study of the uniformity of laminar premixed flames using laser absorption spectroscopy and CFD simulation. <i>Experimental Thermal and Fluid Science</i> , 2020, 112, 110013.	1.5	28
11	Theoretical and Experimental Study of Heterodyne Phase-Sensitive Dispersion Spectroscopy with an Injection-Current-Modulated Quantum Cascade Laser. <i>Sensors</i> , 2020, 20, 6176.	2.1	5
12	Mid-infrared heterodyne phase-sensitive dispersion spectroscopy in flame measurements. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1329-1336.	2.4	20
13	Stability and emission characteristics of nonpremixed MILD combustion from a parallel-jet burner in a cylindrical furnace. <i>Energy</i> , 2019, 170, 1181-1190.	4.5	38
14	Influence of Line Pair Selection on Flame Tomography Using Infrared Absorption Spectroscopy. <i>Applied Spectroscopy</i> , 2019, 73, 529-539.	1.2	32
15	Local dissipation scales in turbulent jets. <i>Experimental Thermal and Fluid Science</i> , 2018, 93, 178-185.	1.5	0
16	Characterization of Temperature and Soot Volume Fraction in Laminar Premixed Flames: Laser Absorption/Extinction Measurement and Two-Dimensional Computational Fluid Dynamics Modeling. <i>Energy & Fuels</i> , 2018, 32, 12962-12970.	2.5	14
17	Temperature and H ₂ O sensing in laminar premixed flames using mid-infrared heterodyne phase-sensitive dispersion spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	6
18	Premixed MILD Combustion of Propane in a Cylindrical Furnace with a Single Jet Burner: Combustion and Emission Characteristics. <i>Energy & Fuels</i> , 2018, 32, 8817-8829.	2.5	34

#	ARTICLE	IF	CITATIONS
19	CO ₂ measurement in laminar premixed flames using heterodyne phase-sensitive dispersion spectroscopy. , 2018, , .		0
20	Emissions of NO and CO from counterflow combustion of CH ₄ under MILD and oxyfuel conditions. Energy, 2017, 124, 652-664.	4.5	76
21	On the flow structure of an inclined jet in crossflow at low velocity ratios. International Journal of Heat and Fluid Flow, 2016, 58, 11-18.	1.1	40
22	On two distinct Reynolds number regimes of a turbulent square jet. Theoretical and Applied Mechanics Letters, 2015, 5, 117-120.	1.3	13
23	Moderate or Intense Low-Oxygen Dilution Combustion of Methane Diluted by CO ₂ and N ₂ . Energy & Fuels, 2015, 29, 4576-4585.	2.5	69
24	Routes of formation and destruction of nitrogen oxides in CH ₄ /H ₂ jet flames in a hot coflow. International Journal of Hydrogen Energy, 2015, 40, 6228-6242.	3.8	39
25	Effect of noncircular orifice plates on the near flow field of turbulent free jets. Chinese Physics B, 2014, 23, 124703.	0.7	17
26	Large eddy simulations of a circular orifice jet with and without a cross-sectional exit plate. Chinese Physics B, 2014, 23, 044704.	0.7	7
27	Influences of Reactant Injection Velocities on Moderate or Intense Low-Oxygen Dilution Coal Combustion. Energy & Fuels, 2014, 28, 369-384.	2.5	52
28	Influence of sidewalls on the centerline small-scale turbulence of a turbulent high-aspect-ratio rectangular jet. Experimental Thermal and Fluid Science, 2014, 58, 139-144.	1.5	2
29	Moderate or Intense Low-Oxygen Dilution Oxy-combustion Characteristics of Light Oil and Pulverized Coal in a Pilot-Scale Furnace. Energy & Fuels, 2014, 28, 1524-1535.	2.5	96
30	Combustion of CH ₄ /O ₂ /N ₂ in a well stirred reactor. Energy, 2014, 72, 242-253.	4.5	54
31	PIV measurements of turbulent jets issuing from triangular and circular orifice plates. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1176-1186.	2.0	17
32	Effects of external intermittency and mean shear on the spectral inertial-range exponent in a turbulent square jet. Physical Review E, 2013, 87, 053009.	0.8	8
33	Mean and fluctuating velocity fields of a diamond turbulent jet. Chinese Physics B, 2013, 22, 034701.	0.7	10