

Youngbin Yoon

List of Publications by Year in descending order

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all docs

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times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide levels of turbulent jet diffusion flames: Effects of residence time and damkohler number. Combustion and Flame, 1992, 88, 37-49.	2.8	160
2	On the simulation of laminar strained flames in stagnation flows: 1D and 2D approaches versus experiments. Combustion and Flame, 2014, 161, 438-452.	2.8	26
3	Investigations on flame dynamics of premixed H ₂ -air mixtures in microscale tubes. RSC Advances, 2016, 6, 50358-50367.	1.7	25
4	Effect of Wall Thermal Boundary Conditions on Flame Dynamics of CH ₄ -Air and H ₂ -Air Mixtures in Straight Microtubes. Combustion Science and Technology, 2017, 189, 150-168.	1.2	20
5	Instability mode and flame structure analysis of various fuel compositions in a model gas turbine combustor. Journal of Mechanical Science and Technology, 2015, 29, 899-907.	0.7	18
6	Development of quantitative measurement of fuel mass distribution using planar imaging technique. Journal of Visualization, 2006, 9, 161-170.	1.1	14
7	Experimental Investigations on Stabilization Mechanism of Lifted Kerosene Spray Flames. Combustion Science and Technology, 2017, 189, 1241-1259.	1.2	14
8	NO _x Scaling of Syngas H ₂ /CO Turbulent Non-Premixed Jet Flames. Combustion Science and Technology, 2013, 185, 1715-1734.	1.2	12
9	Effect of H ₂ enrichment ratio and N ₂ /CO ₂ dilution on swirl-stabilized partially premixed H ₂ /CH ₄ /C ₃ H ₈ SNG combustion. International Journal of Hydrogen Energy, 2020, 45, 31255-31267.	3.8	12
10	Modeling of Generation and Growth of Non-Spherical Nanoparticles in a Co-Flow Flame. Journal of Nanoparticle Research, 2003, 5, 237-246.	0.8	10
11	Droplet Size Control in Gas-Liquid Pintle Injectors. Transactions of the Japan Society for Aeronautical and Space Sciences, 2021, 64, 91-100.	0.4	9
12	Experimental Study of the Combustion Efficiency in Multi-Element Gas-Centered Swirl Coaxial Injectors. Energies, 2020, 13, 6055.	1.6	8
13	Predicting instability frequency and amplitude using artificial neural network in a partially premixed combustor. Energy, 2021, 230, 120854.	4.5	8
14	Effect of Acoustic Excitation on Lean Blowoff in Turbulent Premixed Bluff Body Flames. Combustion Science and Technology, 2016, 188, 55-76.	1.2	7
15	Velocity and mass diffusivity effects on the linear and nonlinear phenomena of the Burke-Schumann flame with acoustic excitation. Journal of Mechanical Science and Technology, 2019, 33, 3019-3029.	0.7	5
16	Spray Patterns and Injection Characteristics of Gas-Centered Swirl Coaxial Injectors. Journal of Aerospace Engineering, 2017, 30, 04017035.	0.8	4
17	Acoustic damping optimization of the injector based on dynamic mode decomposition in a subscale combustor. Journal of Mechanical Science and Technology, 2017, 31, 4511-4520.	0.7	4
18	Effects of hydrogen addition on the forced response of H ₂ /CH ₄ flames in a dual-nozzle swirl-stabilized combustor. International Journal of Hydrogen Energy, 2022, 47, 28139-28151.	3.8	4

#	ARTICLE	IF	CITATIONS
19	Dynamic Characteristics of a Coaxial Jet Swirl Injector with External Excitation. International Journal of Aeronautical and Space Sciences, 2018, 19, 920-925.	1.0	3
20	High-frequency transition characteristics of synthetic natural gas combustion in gas turbine. Aeronautical Journal, 2019, 123, 138-156.	1.1	3
21	Influence of Polyisobutylene Kerosene Additive on Combustion Efficiency in a Liquid Propellant Rocket Engine. Aerospace, 2019, 6, 129.	1.1	3
22	Application of PIV to over-expanded supersonic flows: Possibilities and limits. Journal of Visualization, 2003, 6, 353-361.	1.1	2
23	Effects of flame-flame interaction on emission characteristics in gas turbine combustors. Aeronautical Journal, 0, , 1-16.	1.1	1
24	The development of planar imaging technique for spray characterization. , 0, , .		0