

Ruey-Hung Chen

List of Publications by Year in descending order

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papers

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Bubble Behavior and Nucleate Boiling Heat Transfer in Saturated FC-72 Spray Cooling. Journal of Heat Transfer, 2002, 124, 63-72.	1.2	167
2	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
3	Enhancement of flame blowout limits by the use of swirl. Combustion and Flame, 1990, 80, 183-195.	2.8	146
4	A Comparison of Bluff-Body and Swirl-Stabilized Flames. Combustion Science and Technology, 1990, 71, 197-217.	1.2	100
5	The role of the recirculation vortex in improving fuel-air mixing within swirling flames. Proceedings of the Combustion Institute, 1989, 22, 531-540.	0.3	84
6	EFFECTS OF DILUTION ON BLOWOUT LIMITS OF TURBULENT JET FLAMES. Combustion Science and Technology, 2004, 176, 1735-1753.	1.2	34
7	Some Characteristics of NOx Emission of Turbulent Nonpremixed Hydrogen-Air Flames Stabilized by Swirl-Generated Flow Recirculation. Combustion Science and Technology, 1995, 110-111, 443-460.	1.2	28
8	Droplet and Bubble Dynamics in Saturated FC-72 Spray Cooling on a Smooth Surface. Journal of Heat Transfer, 2008, 130, .	1.2	19
9	Screech Tone Noise and Mode Switching in Supersonic Swirling Jets. AIAA Journal, 1998, 36, 1968-1974.	1.5	18
10	Fire performance and post-fire mechanical properties of polymer composites coated with hybrid carbon nanofiber paper. Journal of Applied Polymer Science, 2012, 124, 37-48.	1.3	14
11	Morphology, thermal stability, and flammability of polymer matrix composites coated with hybrid nanopapers. Polymers for Advanced Technologies, 2011, 22, 1403-1413.	1.6	12
12	Effects of Fuel Lewis Number on and Damkohler Number Scaling of Nitric Oxide Emission Level of Burke-Schumann Type Flames. Combustion Science and Technology, 1997, 127, 293-318.	1.2	11
13	Flammability of carbon nanofiber-clay nanopaper based polymer composites. Polymers for Advanced Technologies, 2011, 22, 2250-2256.	1.6	10
14	FUEL LEWIS NUMBER EFFECTS IN UNSTEADY BURKE-SCHUMANN HYDROGEN FLAMES. Combustion Science and Technology, 2004, 177, 75-88.	1.2	8
15	AN EXPERIMENTAL STUDY OF PULSATING INSTABILITY IN NEAR-LIMIT LAMINAR NONPREMIXED FLAMES. Combustion Science and Technology, 2004, 176, 1191-1215.	1.2	7
16	Elimination of Screech Tone Noise in Supersonic Swirling Jets. AIAA Journal, 1999, 37, 998-1000.	1.5	6
17	NOx and NO2 Emission of Swirl-Stabilized Nonpremixed Flames of a H ₂ -CH ₄ Mixture. Combustion Science and Technology, 1996, 120, 321-333.	1.2	5
18	Modeling and experimental studies of thermal degradation of glass fiber reinforced polymer composites. Fire and Materials, 2014, 38, 247-263.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Experimental Study of an Underexpanded Supersonic Jet under Non-Swirling and Swirling Conditions. , 2018, , .		1
20	Characterization of recirculating structures in the near field of underexpanded swirling jets. Experiments in Fluids, 2019, 60, 1.	1.1	0