

Ingmar M Schoegl

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

432
citations

687363

13
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752698

20
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28
docs citations

28
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Superadiabatic combustion in conducting tubes and heat exchangers of finite length. <i>Combustion and Flame</i> , 2007, 151, 142-159.	5.2	54
2	Experimental and numerical conversion of liquid heptane to syngas through combustion in porous media. <i>Combustion and Flame</i> , 2008, 154, 217-231.	5.2	42
3	Ultra-rich combustion in parallel channels to produce hydrogen-rich syngas from propane. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5152-5163.	7.1	36
4	A mesoscale fuel reformer to produce syngas in portable power systems. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 3223-3230.	3.9	32
5	Tomographic laser absorption spectroscopy using Tikhonov regularization. <i>Applied Optics</i> , 2014, 53, 8095.	2.1	31
6	Ignition delay time and H ₂ O measurements during methanol oxidation behind reflected shock waves. <i>Combustion and Flame</i> , 2019, 203, 143-156.	5.2	23
7	Tomographic Imaging of Flames: Assessment of Reconstruction Error Based on Simulated Results. <i>Journal of Propulsion and Power</i> , 2014, 30, 350-359.	2.2	22
8	Numerical Investigation of Ultra-Rich Combustion in Counter Flow Heat Exchangers. <i>Combustion Science and Technology</i> , 2010, 182, 1413-1428.	2.3	20
9	Ethanol pyrolysis kinetics using H ₂ O time history measurements behind reflected shock waves. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 239-247.	3.9	19
10	High-pressure ignition delay time measurements of a four-component gasoline surrogate and its high-level blends with ethanol and methyl acetate. <i>Fuel</i> , 2020, 275, 118016.	6.4	19
11	Experimental and analytical investigation of lean premixed methane/air combustion in a mesoscale counter-flow reactor. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 3361-3367.	3.9	18
12	Radiation effects on flame stabilization on flat flame burners. <i>Combustion and Flame</i> , 2012, 159, 2817-2828.	5.2	17
13	Numerical analysis of flame instabilities in narrow channels: Laminar premixed methane/air combustion. <i>International Journal of Spray and Combustion Dynamics</i> , 2017, 9, 155-171.	1.0	17
14	Optimization of binder removal for ceramic microfabrication via polymer co-extrusion. <i>Ceramics International</i> , 2014, 40, 3939-3946.	4.8	13
15	Predicting combustion characteristics in externally heated micro-tubes. <i>Combustion and Flame</i> , 2019, 204, 33-48.	5.2	13
16	Measurement of Variation of Momentum Accommodation Coefficients with Molecular Mass and Structure. <i>Journal of Thermophysics and Heat Transfer</i> , 2019, 33, 773-778.	1.6	9
17	Non-catalytic conversion of glycerol to syngas at intermediate temperatures: Numerical methods with detailed chemistry. <i>Fuel</i> , 2017, 195, 190-200.	6.4	8
18	Behavior of preheated premixed flames at rich conditions. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 997-1005.	3.9	7

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19	A comparative assessment of homogeneous propane reforming at intermediate temperatures. International Journal of Hydrogen Energy, 2013, 38, 13272-13281.	7.1	7
20	Two-step debinding and co-extrusion of ceramic-filled PEBA and EVA blends. Ceramics International, 2014, 40, 14871-14879.	4.8	6
21	Numerical assessment of uncertainty and dynamic range expansion of multispectral image-based pyrometry. Measurement: Journal of the International Measurement Confederation, 2019, 145, 820-832.	5.0	5
22	Effects of dilution and pressure on combustion characteristics within externally heated micro-tubes. Proceedings of the Combustion Institute, 2021, 38, 6695-6702.	3.9	5
23	Natural parameterizations of flame structure and heat release in lean premixed /air combustion. Combustion and Flame, 2014, 161, 1735-1743.	5.2	4
24	Dominant chemical source and reaction modes in lean premixed H ₂ /air flames. Proceedings of the Combustion Institute, 2015, 35, 787-794.	3.9	4
25	Experimental and Analytical Investigation of a Counter-flow Reactor at Lean Conditions. Combustion Science and Technology, 2023, 195, 107-132.	2.3	1
26	Limited View Tomography of Combustion Zones Using Tunable Diode Laser Absorption Spectroscopy: Simulation of an Algebraic Reconstruction Technique. , 2012, , .		0
27	Processing and Analysis of Ceramic Mesoscale Combustors Fabricated by Co-Extrusion. , 2013, , .		0
28	Droplet Evaporation-Based Approach for Microliter Fuel Property Measurements. International Journal of Thermophysics, 2022, 43, 1.	2.1	0