

Rodrigo Demarco

List of Publications by Year in descending order

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16
papers

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#	ARTICLE	IF	CITATIONS
1	Impact of water-vapor addition to oxidizer on the thermal radiation characteristics of non-premixed laminar coflow ethylene flames under oxygen-deficient conditions. <i>Fire Safety Journal</i> , 2021, 120, 103032.	1.4	4
2	Modeling soot formation in laminar coflow ethylene inverse diffusion flames. <i>Combustion and Flame</i> , 2021, 232, 111513.	2.8	21
3	Influence of water-vapor in oxidizer stream on the sooting behavior for laminar coflow ethylene diffusion flames. <i>Combustion and Flame</i> , 2019, 210, 114-125.	2.8	25
4	A calibrated soot production model for ethylene inverse diffusion flames at different Oxygen Indexes. <i>Fuel</i> , 2018, 212, 1-11.	3.4	8
5	Life quality disparity: Analysis of indoor comfort gaps for Chilean households. <i>Energy Policy</i> , 2018, 121, 190-201.	4.2	14
6	Soot production modeling in a laminar coflow ethylene diffusion flame at different Oxygen Indices using a PAH-based sectional model. <i>Fuel</i> , 2018, 231, 404-416.	3.4	29
7	Influence of soot aging on soot production for laminar propane diffusion flames. <i>Fuel</i> , 2017, 210, 472-481.	3.4	11
8	Soot measurements in candle flames. <i>Experimental Thermal and Fluid Science</i> , 2017, 82, 116-123.	1.5	14
9	Unified behavior of soot production and radiative heat transfer in ethylene, propane and butane axisymmetric laminar diffusion flames at different oxygen indices. <i>Fuel</i> , 2016, 183, 668-679.	3.4	43
10	Effects of oxygen index on soot production and temperature in an ethylene inverse diffusion flame. <i>Experimental Thermal and Fluid Science</i> , 2016, 73, 101-108.	1.5	42
11	Assessment of semi-empirical soot production models in C1-C3 axisymmetric laminar diffusion flames. <i>Fire Safety Journal</i> , 2015, 73, 76-90.	1.4	12
12	The Oxygen Index on Soot Production in Propane Diffusion Flames. <i>Combustion Science and Technology</i> , 2014, 186, 504-517.	1.2	20
13	Influence of thermal radiation on soot production in Laminar axisymmetric diffusion flames. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 120, 52-69.	1.1	36
14	On the modeling of radiative heat transfer in laboratory-scale pool fires. <i>Fire Safety Journal</i> , 2013, 60, 73-81.	1.4	24
15	Modelling thermal radiation in buoyant turbulent diffusion flames. <i>Combustion Theory and Modelling</i> , 2012, 16, 817-841.	1.0	14
16	Influence of radiative property models on soot production in laminar coflow ethylene diffusion flames. <i>Journal of Physics: Conference Series</i> , 2012, 369, 012011.	0.3	0