

# Rodrigo Demarco

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

317  
citations

840119

11  
h-index

996533

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

227  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | On the modeling of radiative heat transfer in laboratory-scale pool fires. <i>Fire Safety Journal</i> , 2013, 60, 73-81.  | 1.4 | 24        |
| 7  | Modeling soot formation in laminar coflow ethylene inverse diffusion flames. <i>Combustion and Flame</i> , 2021, 232, 111513.   | 2.8 | 21        |
| 8  | The Oxygen Index on Soot Production in Propane Diffusion Flames. <i>Combustion Science and Technology</i> , 2014, 186, 504-517.   | 1.2 | 20        |
| 9  | Modelling thermal radiation in buoyant turbulent diffusion flames. <i>Combustion Theory and Modelling</i> , 2012, 16, 817-841.  | 1.0 | 14        |
| 10 | Soot measurements in candle flames. <i>Experimental Thermal and Fluid Science</i> , 2017, 82, 116-123.  | 1.5 | 14        |
| 11 | Life quality disparity: Analysis of indoor comfort gaps for Chilean households. <i>Energy Policy</i> , 2018, 121, 190-201.  | 4.2 | 14        |
| 12 | Assessment of semi-empirical soot production models in C1â€“C3 axisymmetric laminar diffusion flames. <i>Fire Safety Journal</i> , 2015, 73, 76-90.   | 1.4 | 12        |
| 13 | Influence of soot aging on soot production for laminar propane diffusion flames. <i>Fuel</i> , 2017, 210, 472-481.  | 3.4 | 11        |
| 14 | A calibrated soot production model for ethylene inverse diffusion flames at different Oxygen Indexes. <i>Fuel</i> , 2018, 212, 1-11.  | 3.4 | 8         |
| 15 | 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         |
| 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         |