David Escofet-Martin

List of Publications by Year
in descending order

13 papers	150 citations	1307594 7 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	128 citing authors

#	Article	IF	Citations
1	Structure and behavior of water-laden CH4/air counterflow diffusion flames. Combustion and Flame, 2018, 196, 439-451.	5.2	28
2	Dual-probe 1D hybrid fs/ps rotational CARS for simultaneous single-shot temperature, pressure, and O₂/N₂ measurements. Optics Letters, 2020, 45, 4758.	3.3	24
3	CO emission from an impinging non-premixed flame. Combustion and Flame, 2016, 174, 16-24.	5.2	22
4	Ion current and carbon monoxide release from an impinging methane/air coflow flame in an electric field. Combustion and Flame, 2019, 204, 250-259.	5.2	16
5	Hybrid femtosecond/picosecond pureâ€rotational coherent antiâ€Stokes Raman scattering with chirped probe pulses. Journal of Raman Spectroscopy, 2017, 48, 1881-1886.	2.5	13
6	Experimental investigation of thermal boundary layers and associated heat loss for transient engine-relevant processes using HRCARS and phosphor thermometry. Combustion and Flame, 2021, 233, 111567.	5.2	9
7	Impact of input field characteristics on vibrational femtosecond coherent anti-Stokes Raman scattering thermometry. Applied Optics, 2018, 57, 197.	1.8	8
8	Optimizing hybrid rotational femtosecond/picosecond coherent anti-Stokes Raman spectroscopy in nitrogen at high pressures and temperatures. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1035.	2.1	7
9	PLIF and chemiluminescence in a small laminar coflow methane-air diffusion flame at elevated pressures. Combustion and Flame, 2022, 243, 112067.	5.2	7
10	Precise surface temperature measurements at kHz-rates using phosphor thermometry to study flame-wall interactions in narrow passages. Combustion and Flame, 2022, 240, 111984.	5.2	6
11	Revisiting N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>-N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> collisional linewidth models for S-branch rotational Raman scattering. Combustion and Flame, 2022, 243, 111928.	5.2	5
12	Ultrafast multi-photon excitation of ScVO₄:Bi³⁺ for luminescence thermometry. Optics Letters, 2022, 47, 13.	3.3	4
13	Flame Propagation in a Narrow Closed Channel: Effects of Aspect Ratios, Blockage Ratio, and Mixture Reactivity on Flame Speed and Pressure Dynamics. Combustion Science and Technology, 2020, 192, 986-996.	2.3	1