

# David Escofet-Martin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1889559/publications.pdf>

Version: 2024-02-01

13  
papers

150  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

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times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast multi-photon excitation of $\text{ScVO}_4:\text{Bi}^{3+}$ for luminescence thermometry. <i>Optics Letters</i> , 2022, 47, 13.	3.3	4
2	Precise surface temperature measurements at kHz-rates using phosphor thermometry to study flame-wall interactions in narrow passages. <i>Combustion and Flame</i> , 2022, 240, 111984.	5.2	6
3	PLIF and chemiluminescence in a small laminar coflow methane-air diffusion flame at elevated pressures. <i>Combustion and Flame</i> , 2022, 243, 112067.	5.2	7
4	Revisiting $N_2$ collisional linewidth models for S-branch rotational Raman scattering. <i>Combustion and Flame</i> , 2022, 243, 111928.	5.2	5
5	Experimental investigation of thermal boundary layers and associated heat loss for transient engine-relevant processes using HRCARS and phosphor thermometry. <i>Combustion and Flame</i> , 2021, 233, 111567.	5.2	9
6	Flame Propagation in a Narrow Closed Channel: Effects of Aspect Ratios, Blockage Ratio, and Mixture Reactivity on Flame Speed and Pressure Dynamics. <i>Combustion Science and Technology</i> , 2020, 192, 986-996.	2.3	1
7	Optimizing hybrid rotational femtosecond/picosecond coherent anti-Stokes Raman spectroscopy in nitrogen at high pressures and temperatures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1035.	2.1	7
8	Dual-probe 1D hybrid fs/ps rotational CARS for simultaneous single-shot temperature, pressure, and $O_2/N_2$ measurements. <i>Optics Letters</i> , 2020, 45, 4758.	3.3	24
9	Ion current and carbon monoxide release from an impinging methane/air coflow flame in an electric field. <i>Combustion and Flame</i> , 2019, 204, 250-259.	5.2	16
10	Structure and behavior of water-laden $\text{CH}_4$ /air counterflow diffusion flames. <i>Combustion and Flame</i> , 2018, 196, 439-451.	5.2	28
11	Impact of input field characteristics on vibrational femtosecond coherent anti-Stokes Raman scattering thermometry. <i>Applied Optics</i> , 2018, 57, 197.	1.8	8
12	Hybrid femtosecond/picosecond pure rotational coherent anti-Stokes Raman scattering with chirped probe pulses. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1881-1886.	2.5	13
13	CO emission from an impinging non-premixed flame. <i>Combustion and Flame</i> , 2016, 174, 16-24.	5.2	22