

Emil Nordström

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10942149/publications.pdf>

Version: 2024-02-01

11
papers

238
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

242
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of premixed ammonia-air flames at atmospheric pressure: Laser diagnostics and kinetic modeling. <i>Combustion and Flame</i> , 2016, 163, 370-381.	5.2	83
2	Pure rotational CARS measurements of temperature and relative O ₂ -concentration in a low swirl turbulent premixed flame. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 3629-3636.	3.9	38
3	Local gas heating in sooting flames by heat transfer from laser-heated particles investigated using rotational CARS and LII. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3707-3713.	3.9	22
4	Pure rotational Coherent anti-Stokes Raman spectroscopy of water vapor and its relevance for combustion diagnostics. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1322-1325.	2.5	17
5	Large eddy simulations and rotational CARS/PIV/PLIF measurements of a lean premixed low swirl stabilized flame. <i>Combustion and Flame</i> , 2014, 161, 2539-2551.	5.2	15
6	Numerical and experimental study of flame propagation and quenching of lean premixed turbulent low swirl flames at different Reynolds numbers. <i>Combustion and Flame</i> , 2015, 162, 2582-2591.	5.2	13
7	On the sensitivity of rotational O ₂ CARS thermometry to the Herman-Wallis factor. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 599-603.	2.5	11
8	Validation of a rotational coherent anti-Stokes Raman scattering model for N ₂ O at temperatures from 295 K to 796 K. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 604-610.	2.5	11
9	Raman linewidth measurements using time-resolved hybrid picosecond/nanosecond rotational CARS. <i>Optics Letters</i> , 2015, 40, 5718.	3.3	10
10	Ethane thermometry using rotational coherent anti-Stokes Raman scattering (CARS). <i>Proceedings of the Combustion Institute</i> , 2017, 36, 4461-4468.	3.9	9
11	Rotational CARS thermometry and concentration measurements in ethane-nitrogen mixtures using Fourier analysis. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1096-1108.	2.5	9