

# Emil Nordström

## List of Publications by Year in descending order

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