

Chloe E Dedic

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

279
citations

1307594

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h-index

1720034

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18
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18
docs citations

18
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	Interference-free gas-phase thermometry at elevated pressure using hybrid femtosecond/picosecond rotational coherent anti-Stokes Raman scattering. Optics Express, 2012, 20, 5003.	3.4	63
2	Single-shot ultrafast coherent anti-Stokes Raman scattering of vibrational/rotational nonequilibrium. Optica, 2017, 4, 563.	9.3	53
3	Dual-pump vibrational/rotational femtosecond/picosecond coherent anti-Stokes Raman scattering temperature and species measurements. Optics Letters, 2014, 39, 6608.	3.3	45
4	Vibrational femtosecond/picosecond coherent anti-Stokes Raman scattering with enhanced temperature sensitivity for flame thermometry from 300 to 2400 K. Journal of Raman Spectroscopy, 2015, 46, 702-707.	2.5	38
5	Hybrid femtosecond/picosecond coherent anti-Stokes Raman scattering for high-speed CH_4/N_2 measurements in binary gas mixtures. Journal of Raman Spectroscopy, 2013, 44, 1336-1343.	2.5	26
6	Visualization of physicochemical phenomena during biomass pyrolysis in an optically accessible reactor. Journal of Analytical and Applied Pyrolysis, 2019, 143, 104667.	5.5	16
7	Thermalization dynamics in a pulsed microwave plasma-enhanced laminar flame. Combustion and Flame, 2021, 227, 322-334.	5.2	13
8	Hybrid fs/ps coherent anti-Stokes Raman scattering for non-equilibrium environments. , 2016, , .		6
9	Investigation of energy distributions behind a microscale gas-phase detonation tube using hybrid fs/ps coherent anti-Stokes Raman scattering. , 2017, , .		5
10	Hybrid fs/ps CARS for quantifying CO and CO_2 . , 2022, , .		4
11	Characterization of supersonic flows using hybrid fs/ps CARS. , 2019, , .		3
12	Hybrid fs/ps coherent anti-Stokes Raman scattering in a non-equilibrium environment initiated by a ns laser spark. , 2015, , .		2
13	Evaluation of Hybrid fs/ps coherent anti-Stokes Raman scattering temperature and pressure sensitivity at combustor relevant conditions. , 2016, , .		2
14	Evaluation of vibrational excitation in a microwave plasma enhanced flame using hybrid fs/ps CARS. , 2018, , .		1
15	High resolution coherent anti-Stokes Raman scattering to study supersonic combustion. , 2022, , .		1
16	Temperature and species measurements of counterflow flames using coherent anti-Stokes Raman scattering. , 2022, , .		1
17	Vibrational/Rotational Hybrid fs/ps Coherent Anti-Stokes Raman Scattering for Combustion Analysis. , 2013, , .		0
18	Single-shot vibrational energy distributions of a microscale detonation using hybrid fs/ps CARS. , 2018, , .		0