

# Damien Nativel

## List of Publications by Year in descending order

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13  
papers

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citations

1039406

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1125271

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292  
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#	ARTICLE	IF	CITATIONS
1	Laminar flame speeds of pentanol isomers: An experimental and modeling study. <i>Combustion and Flame</i> , 2016, 166, 1-18.	2.8	51
2	Lanthanum promoted NiO-SDC anode for low temperature solid oxide fuel cells fueled with methane. <i>Journal of Power Sources</i> , 2012, 210, 374-380.	4.0	46
3	Impact of shock-tube facility-dependent effects on incident- and reflected-shock conditions over a wide range of pressures and Mach numbers. <i>Combustion and Flame</i> , 2020, 217, 200-211.	2.8	46
4	Shock-tube study of methane pyrolysis in the context of energy-storage processes. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 197-204.	2.4	32
5	Direct Measurement of High-Temperature Rate Constants of the Thermal Decomposition of Dimethoxymethane, a Shock Tube and Modeling Study. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7559-7571.	1.1	21
6	Laser-based CO concentration and temperature measurements in high-pressure shock-tube studies of n-heptane partial oxidation. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	1.1	16
7	CO-concentration and temperature measurements in reacting CH <sub>4</sub> /O <sub>2</sub> mixtures doped with diethyl ether behind reflected shock waves. <i>Combustion and Flame</i> , 2020, 216, 194-205.	2.8	16
8	Ethanol ignition in a high-pressure shock tube: Ignition delay time and high-repetition-rate imaging measurements. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 901-909.	2.4	14
9	Laminar Flame Speeds and Ignition Delay Times of Gasoline/Air and Gasoline/Alcohol/Air Mixtures: The Effects of Heavy Alcohol Compared to Light Alcohol. <i>Energy &amp; Fuels</i> , 2021, 35, 14913-14923.	2.5	12
10	Numerical Investigation of Remote Ignition in Shock Tubes. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 471-498.	1.4	7
11	Shock-tube study of the influence of oxygenated additives on benzene pyrolysis: Measurement of optical densities, soot inception times and comparison with simulations. <i>Combustion and Flame</i> , 2022, 243, 111985.	2.8	5
12	Shock tube study of the pyrolysis kinetics of Di- and trimethoxy methane. <i>Combustion and Flame</i> , 2022, 242, 112186.	2.8	3
13	Unsupervised analysis of experiments of laminar flame propagation in a spherical enclosure. <i>AIP Conference Proceedings</i> , 2016, . .	0.3	1