

# Sebastien Thion

## List of Publications by Year in descending order

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docs citations

14  
times ranked

592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of C <sub>5</sub> esters: Influence of the position of the ester function. International Journal of Chemical Kinetics, 2021, 53, 1124-1132.	1.6	4
2	Kinetics of propyl acetate oxidation: Experiments in a jet-stirred reactor, ab initio calculations, and rate constant determination. Proceedings of the Combustion Institute, 2019, 37, 429-436.	3.9	15
3	Kinetics of oxidation of levulinic biofuels in a jet-stirred reactor: Methyl levulinate. Proceedings of the Combustion Institute, 2019, 37, 381-388.	3.9	5
4	More insight into cyclohexanone oxidation: Jet-stirred reactor experiments and kinetic modeling. Fuel, 2018, 220, 908-915.	6.4	4
5	An experimental chemical kinetic study of the oxidation of diethyl ether in a jet-stirred reactor and comprehensive modeling. Combustion and Flame, 2018, 193, 453-462.	5.2	43
6	Experimental and modeling studies of a biofuel surrogate compound: laminar burning velocities and jet-stirred reactor measurements of anisole. Combustion and Flame, 2018, 189, 325-336.	5.2	49
7	A Chemical Kinetic Investigation on Butyl Formate Oxidation: <i>Ab Initio</i> Calculations and Experiments in a Jet-Stirred Reactor. Energy & Fuels, 2017, 31, 6194-6205.	5.1	7
8	A chemical kinetic study of the oxidation of dibutyl-ether in a jet-stirred reactor. Combustion and Flame, 2017, 185, 4-15.	5.2	58
9	Burning velocities and jet-stirred reactor oxidation of diethyl carbonate. Proceedings of the Combustion Institute, 2017, 36, 553-560.	3.9	20
10	Experimental and Detailed Kinetic Modeling Study of Cyclopentanone Oxidation in a Jet-Stirred Reactor at 1 and 10 atm. Energy & Fuels, 2017, 31, 2144-2155.	5.1	22
11	An experimental study in a jet-stirred reactor and a comprehensive kinetic mechanism for the oxidation of methyl ethyl ketone. Proceedings of the Combustion Institute, 2017, 36, 459-467.	3.9	40
12	Elucidating reactivity regimes in cyclopentane oxidation: Jet stirred reactor experiments, computational chemistry, and kinetic modeling. Proceedings of the Combustion Institute, 2017, 36, 469-477.	3.9	34
13	A comprehensive experimental and modeling study of isobutene oxidation. Combustion and Flame, 2016, 167, 353-379.	5.2	282
14	Computational Kinetic Study for the Unimolecular Decomposition of Cyclopentanone. International Journal of Chemical Kinetics, 2015, 47, 439-446.	1.6	16