Yasuyuki Sakai

List of Publications by Year
in descending order

12	140	1478458 6	1281846 11
papers	citations	h-index	g-index

12	12	12	158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical Interpretation on the Multi-Stage Oxidation of Diethyl Ether. Journal of Thermal Science, 2023, 32, 513-520.	1.9	1
2	Modulation of wall turbulence by propagating flame of premixed hydrogenâ€“air combustion. Combustion and Flame, 2022, 241, 112132.	5.2	2
3	Numerical investigation of the effect of rotation on non-premixed hydrogen combustion in developing turbulent mixing layers. Journal of Turbulence, 2021, 22, 597-622.	1.4	2
4	Ab Initio and RRKM/Master Equation Analysis of the Photolysis and Thermal Unimolecular Decomposition of Bromoacetaldehyde. Journal of Physical Chemistry A, 2021, 125, 8282-8293.	2.5	1
5	The Reaction NCN + H2: Quantum Chemical Calculations, Role of1NCN Chemistry, and3NCN Absorption Cross Section. Journal of Physical Chemistry A, 2020, 124, 4632-4645.	2.5	7
6	High-Temperature Unimolecular Decomposition of Diethyl Ether: Shock-Tube and Theory Studies. Journal of Physical Chemistry A, 2019, 123, 6813-6827.	2.5	12
7	A Computational Kinetics Study on the Intramolecular Hydrogen Shift Reactions of Alkylperoxy Radicals in 2â€Methyltetrahydrofuran Oxidation. International Journal of Chemical Kinetics, 2017, 49, 419-437.	1.6	6
8	A quantum chemical and kinetics modeling study on the autoignition mechanism of diethyl ether. Proceedings of the Combustion Institute, 2017, 36, 195-202.	3.9	55
9	Reduced Chemical Kinetic Mechanism for the Prediction of Ignition Delay Time and Laminar Flame Velocity of Natural Gas Combustion. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, A306.	0.1	0
10	Theoretical Investigation of Intramolecular Hydrogen Shift Reactions in 3-Methyltetrahydrofuran (3-MTHF) Oxidation. Journal of Physical Chemistry A, 2015, 119, 10917-10928.	2.5	12
11	A computational study on the kinetics of unimolecular reactions of ethoxyethylperoxy radicals employing CTST and VTST. Proceedings of the Combustion Institute, 2015, 35, 161-169.	3.9	34
12	Density functional study of the phenylethyl + O₂ reaction: Kinetic analysis for the lowâ€temperature autoignition of ethylbenzenes. International Journal of Quantum Chemistry, 2012, 112, 1968-1983.	2.0	8