

Alexander Burcat

List of Publications by Year in descending order

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17
papers

273
citations

1162367

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940134

16
g-index

19
all docs

19
docs citations

19
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochemistry of computed gaseous energetic compounds: Cellulose nitrate. <i>Combustion and Flame</i> , 2020, 222, 181-185.	2.8	2
2	Ideal gas thermochemical properties of silicon containing inorganic, organic compounds, radicals, and ions. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 633-650.	1.0	6
3	The ideal gas thermochemistry of inorganic and organic phosphorous compounds and their ions. <i>Combustion and Flame</i> , 2017, 182, 238-247.	2.8	6
4	The Ideal Gas Thermochemistry of Oxonium Cations. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1361-1367.	1.0	3
5	Ideal-Gas Thermochemistry of N-Ethyl-2-Nitrato-1-Nitramine Family Compound. <i>Journal of Propulsion and Power</i> , 2015, 31, 1631-1634.	1.3	1
6	The role of chlorine atoms and hydroxyl radicals in the formation of PCDDs from the oxidative pyrolysis of 2,4,6-trichlorophenol. <i>International Journal of Chemical Kinetics</i> , 2010, 42, 90-97.	1.0	5
7	Thermochemistry of chlorine-containing hydrocarbons related to waste combustion. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 113-122.	1.0	2
8	Ab Initio Calculations of Carbon-Containing Species and Comparison with Group Additivity Results. Part II. C ₄ Species. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1829-1835.	1.0	4
9	Ab initio calculations of carbon-containing species and comparison with group additivity results: Part I. C ₅ species. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 620-628.	1.0	2
10	Decane oxidation in a shock tube. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 703-713.	1.0	44
11	Enthalpy of Formation of 2 ^{1/2} SH. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2061-2065.	1.1	33
12	Detailed combustion kinetics of cyclopentadiene studied in a shock-tube. <i>International Journal of Chemical Kinetics</i> , 2001, 33, 491-508.	1.0	18
13	The Ideal Gas Thermodynamics of Diesel Fuel Ingredients. I. Naphthalene Derivatives and Their Radicals. <i>Journal of Physical and Chemical Reference Data</i> , 2000, 29, 463-517.	1.9	12
14	Thermodynamic Properties of Ideal Gas Nitro and Nitrate Compounds. <i>Journal of Physical and Chemical Reference Data</i> , 1999, 28, 63-130.	1.9	19
15	Detailed kinetics of cyclopentadiene decomposition studied in a shock tube. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 505-514.	1.0	64
16	Kinetics of Hexane Combustion in a Shock Tube. <i>Israel Journal of Chemistry</i> , 1996, 36, 313-320.	1.0	14
17	Ab-initio Calculations and Ideal Gas Thermodynamic Functions of Cyclopentadiene and Cyclopentadiene Derivatives. <i>Journal of Physical and Chemical Reference Data</i> , 1991, 20, 665-683.	1.9	23