

Alon Grinberg Dana

List of Publications by Year in descending order

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papers

665
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687220

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26
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and Prospective of Nitrogen-Based Alternative Fuels. Chemical Reviews, 2020, 120, 5352-5436.	23.0	165
2	Reaction Mechanism Generator v3.0: Advances in Automatic Mechanism Generation. Journal of Chemical Information and Modeling, 2021, 61, 2686-2696.	2.5	116
3	Nitrogen-Based Fuels: A Power-to-Fuel Power Analysis. Angewandte Chemie - International Edition, 2016, 55, 8798-8805.	7.2	73
4	Experimental and modeling study of the mutual oxidation of N-pentane and nitrogen dioxide at low and high temperatures in a jet stirred reactor. Energy, 2018, 165, 727-738.	4.5	52
5	On the use of ammonia as a fuel – A perspective. Fuel Communications, 2022, 11, 100064.	2.0	43
6	Nitrogen-based alternative fuel: an environmentally friendly combustion approach. RSC Advances, 2014, 4, 10051-10059.	1.7	25
7	Automated Reaction Mechanism Generation Including Nitrogen as a Heteroatom. International Journal of Chemical Kinetics, 2018, 50, 243-258.	1.0	23
8	Thermal analysis of aqueous urea ammonium nitrate alternative fuel. RSC Advances, 2014, 4, 34836-34848.	1.7	20
9	Nitrogen-Based Alternative Fuel: Safety Considerations. Energy Technology, 2015, 3, 976-981.	1.8	20
10	Numerical modelling of ammonia-coal co-firing in a pilot-scale fluidized bed reactor: Influence of ammonia addition for emissions control. Energy Conversion and Management, 2022, 254, 115226.	4.4	20
11	Pressure effect on the combustion of aqueous urea ammonium nitrate alternative fuel. Fuel, 2015, 159, 500-507.	3.4	19
12	Nitrogen-Based Alternative Fuels: Progress and Future Prospects. Energy Technology, 2016, 4, 7-18.	1.8	19
13	Combustion simulations of aqueous urea ammonium nitrate monofuel at high pressures. Combustion and Flame, 2016, 166, 295-306.	2.8	14
14	Large Intermediates in Hydrazine Decomposition: A Theoretical Study of the N_3H_5 and N_4H_6 Potential Energy Surfaces. Journal of Physical Chemistry A, 2019, 123, 4679-4692.	1.1	14
15	Kinetic Modeling of API Oxidation: (1) The AIBN/ H_2O/CH_3OH Radical – Molecular Pharmaceuticals, 2021, 18, 3037-3049.	2.3	12
16	Flow Reactor Combustion of Aqueous Urea Ammonium Nitrate Fuel. Energy & Fuels, 2016, 30, 2474-2477.	2.5	10
17	Metal Corrosion Screening in a Nitrogen-Based Fuel at High Temperature and Pressure. Oxidation of Metals, 2014, 82, 491-508.	1.0	7
18	Kinetic Modeling of API Oxidation: (2) Imipramine Stress Testing. Molecular Pharmaceuticals, 2022, 19, 1526-1539.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Automated chemical resonance generation and structure filtration for kinetic modeling. International Journal of Chemical Kinetics, 2019, 51, 760-776.	1.0	4
20	High-Temperature Corrosion of Stainless Steels and Ni Alloys During Combustion of Urea- ¹⁸ O Ammonium Nitrate (UAN) Fuel. Oxidation of Metals, 2017, 87, 39-56.	1.0	2