

Alon Grinberg Dana

List of Publications by Year in descending order

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20
papers

665
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687220

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26
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times ranked

562
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Numerical modelling of ammonia-coal co-firing in a pilot-scale fluidized bed reactor: Influence of ammonia addition for emissions control. <i>Energy Conversion and Management</i> , 2022, 254, 115226. | 4.4 | 20 |
| 2 | On the use of ammonia as a fuel – A perspective. <i>Fuel Communications</i> , 2022, 11, 100064. | 2.0 | 43 |
| 3 | Kinetic Modeling of API Oxidation: (2) Imipramine Stress Testing. <i>Molecular Pharmaceutics</i> , 2022, 19, 1526-1539. | 2.3 | 6 |
| 4 | Reaction Mechanism Generator v3.0: Advances in Automatic Mechanism Generation. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2686-2696. | 2.5 | 116 |
| 5 | Kinetic Modeling of API Oxidation: (1) The AIBN/H ₂ O/CH ₃ OH Radical “Soup”. <i>Molecular Pharmaceutics</i> , 2021, 18, 3037-3049. | 2.3 | 12 |
| 6 | Progress and Prospective of Nitrogen-Based Alternative Fuels. <i>Chemical Reviews</i> , 2020, 120, 5352-5436. | 23.0 | 165 |
| 7 | Automated chemical resonance generation and structure filtration for kinetic modeling. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 760-776. | 1.0 | 4 |
| 8 | Large Intermediates in Hydrazine Decomposition: A Theoretical Study of the N ₃ H ₅ and N ₄ H ₆ Potential Energy Surfaces. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4679-4692. | 1.1 | 14 |
| 9 | Automated Reaction Mechanism Generation Including Nitrogen as a Heteroatom. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 243-258. | 1.0 | 23 |
| 10 | Experimental and modeling study of the mutual oxidation of N-pentane and nitrogen dioxide at low and high temperatures in a jet stirred reactor. <i>Energy</i> , 2018, 165, 727-738. | 4.5 | 52 |
| 11 | High-Temperature Corrosion of Stainless Steels and Ni Alloys During Combustion of Urea–Ammonium Nitrate (UAN) Fuel. <i>Oxidation of Metals</i> , 2017, 87, 39-56. | 1.0 | 2 |
| 12 | Nitrogen-Based Fuels: A Power-to-Fuel Power Analysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8798-8805. | 7.2 | 73 |
| 13 | Nitrogen-Based Alternative Fuels: Progress and Future Prospects. <i>Energy Technology</i> , 2016, 4, 7-18. | 1.8 | 19 |
| 14 | Flow Reactor Combustion of Aqueous Urea Ammonium Nitrate Fuel. <i>Energy & Fuels</i> , 2016, 30, 2474-2477. | 2.5 | 10 |
| 15 | Combustion simulations of aqueous urea ammonium nitrate monofuel at high pressures. <i>Combustion and Flame</i> , 2016, 166, 295-306. | 2.8 | 14 |
| 16 | Pressure effect on the combustion of aqueous urea ammonium nitrate alternative fuel. <i>Fuel</i> , 2015, 159, 500-507. | 3.4 | 19 |
| 17 | Nitrogen-Based Alternative Fuel: Safety Considerations. <i>Energy Technology</i> , 2015, 3, 976-981. | 1.8 | 20 |
| 18 | Metal Corrosion Screening in a Nitrogen-Based Fuel at High Temperature and Pressure. <i>Oxidation of Metals</i> , 2014, 82, 491-508. | 1.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nitrogen-based alternative fuel: an environmentally friendly combustion approach. RSC Advances, 2014, 4, 10051-10059. | 1.7 | 25 |
| 20 | Thermal analysis of aqueous urea ammonium nitrate alternative fuel. RSC Advances, 2014, 4, 34836-34848. | 1.7 | 20 |