

Jun-Jiang Guo

List of Publications by Year in descending order

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15
papers

122
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1307594

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146
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Prediction of Rate Constants for Hydrogen Abstraction by OH, H, O, CH ₃ , and HO ₂ Radicals from Toluene. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3424-3432.	2.5	36
2	Mechanism construction and simulation for high-temperature combustion of n-propylcyclohexane. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 480-488.	2.6	19
3	Temperature and Pressure Dependent Rate Coefficients for the Reaction of C ₂ H ₄ + HO ₂ on the C ₂ H ₄ O ₂ H Potential Energy Surface. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3161-3170.	2.5	14
4	Theoretical and kinetic study of the reaction of C ₂ H ₃ + HO ₂ on the C ₂ H ₃ O ₂ H potential energy surface. <i>RSC Advances</i> , 2017, 7, 44809-44819.	3.6	13
5	Experimental study on K migration, ash fouling/slugging behaviors and CO ₂ emission during co-combustion of rice straw and coal gangue. <i>Energy</i> , 2022, 251, 123950.	8.8	11
6	Comprehensive Comparison of the Combustion Behavior for Low-Temperature Combustion of n-Nonane. <i>ACS Omega</i> , 2020, 5, 4924-4936.	3.5	8
7	Comparison of Growth Characteristics and Properties of CVD TiN and TiO ₂ Anti-Coking Coatings. <i>Processes</i> , 2019, 7, 574.	2.8	7
8	Influence of Different Core Mechanisms on Low-Temperature Combustion Characteristics of Large Hydrocarbon Fuels. <i>Energy & Fuels</i> , 2019, 33, 7835-7851.	5.1	3
9	Analysis of Combustion Characteristics When Adding Hydrogen and Short-Chain Hydrocarbons to RP-3 Aviation Kerosene Based on the Variation Disturbance Method. <i>Energy & Fuels</i> , 2019, 33, 6767-6774.	5.1	3
10	Investigations of Chemical Kinetic Mechanisms for Low-to-medium Temperature Ignition of Ethylene. <i>Acta Chimica Sinica</i> , 2017, 75, 375.	1.4	3
11	Preparation of Highly Stable and Effective N-Doped TiO ₂ @SiO ₂ Aerogel Catalyst for Degradation of Organic Pollutants by Visible Light Catalysis. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	1.9	2
12	Effect of external electric field on hexadiene homolog C ₆ H ₆ (SiF) Tj ETQqO O 0 rgBT /Overlock 10 Tf 50 302	1.9	2
13	Mechanism Construction and Simulation for Combustion of Large Hydrocarbon Fuels Applied in Wide Temperature Range. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2019, 35, 182-192.	4.9	1
14	Study on Pyrolytic Mechanisms of n-Perfluorosilanes Si _n F _{2n+2} (2 ≤ n < 6) and Perfluorocyclosilanes Si _n F _{2n} (3 ≤ n ≤ 6). <i>ACS Omega</i> , 2021, 6, 32841-32851.	3.5	0
15	The Defluorination of SiF ₄ on Si (1 1 1) Surfaces: a Density Functional Theory Study. <i>Silicon</i> , 0, , 1.	3.3	0