

Junjie Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1604180/publications.pdf>

Version: 2024-02-01

19
papers

113
citations

1478505

6
h-index

1372567

10
g-index

55
all docs

55
docs citations

55
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Carbon Nanotube Aspect Ratio on the Thermal and Electrical Properties of Epoxy Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 697-704.	2.1	21
2	Compact Steam-Methane Reforming for the Production of Hydrogen in Continuous Flow Microreactor Systems. ACS Omega, 2019, 4, 15600-15614.	3.5	15
3	Numerical simulation of micro-scale catalytic combustion characteristics with detailed chemical kinetic reaction mechanisms of hydrogen/air. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 19-37.	1.7	14
4	Nanoscale thermal transport in epoxy matrix composite materials reinforced with carbon nanotubes and graphene nanoplatelets. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	10
5	Study on Catalytic Combustion Characteristics of the Micro-Engine with Detailed Chemical Kinetic Model of Methane-Air Mixture. Combustion Science and Technology, 2015, 187, 505-524.	2.3	9
6	Design Issues of Thermally Integrated Methanol Reforming Systems for the Production of Hydrogen: Effects of Channel Dimensions and Catalyst Properties. Energy & Fuels, 2019, 33, 12026-12040.	5.1	9
7	Epoxy matrix composites reinforced with purified carbon nanotubes for thermal management applications. Polymers for Advanced Technologies, 2019, 30, 2770-2780.	3.2	6
8	Thermodynamic Equilibrium Analysis of Product Distribution in the Fischer-Tropsch Process Under Different Operating Conditions. ACS Omega, 2019, 4, 22237-22244.	3.5	6
9	Dimension-dependent thermal conductivity of graphene nanoribbons on silicon carbide. European Physical Journal Plus, 2021, 136, 1.	2.6	6
10	Stability limits and chemical quenching of methane-air flame in plane micro-channels with different walls. RSC Advances, 2015, 5, 39375-39383.	3.6	3
11	Numerical investigation of the interaction between homogeneous and heterogeneous reactions of fuel-lean hydrogen-air mixtures over platinum in planar micro-channels. RSC Advances, 2015, 5, 51318-51329.	3.6	3
12	Toward a microscopic understanding of the catalytic oxidation of methane on metal surfaces using density functional theory: a review. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	3
13	Study On Catalytic Combustion Of Hydrogen-Air Inside Microtube. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 80-96.	2.6	2
14	CFD Modeling and Operation Strategies for Hetero-/Homogeneous Combustion of Methane-Air Mixtures in Catalytic Microreactors Using Detailed Chemical Kinetics. Chemical Product and Process Modeling, 2016, 11, 291-304.	0.9	2
15	Effects of Different Phonon Scattering Factors on the Heat Transport Properties of Graphene Ribbons. ACS Omega, 2022, 7, 20186-20194.	3.5	2
16	Hydrogen-assisted catalytic ignition characteristics of propane-air with a chemical kinetic model in a Pt/ β -Al ₂ O ₃ micro-combustor in different feeding modes. RSC Advances, 2015, 5, 14720-14734.	3.6	1
17	Gas diffusion in polymer nanocomposites: Role of defects and caves in fillers. Journal of Polymer Research, 2021, 28, 1.	2.4	1
18	Computational Fluid Dynamics Simulations of Lean Premixed Methane-Air Flame in a Micro-Channel Reactor Using Different Chemical Kinetics. International Journal of Chemical Reactor Engineering, 2016, 14, 1003-1015.	1.1	0

#	ARTICLE	IF	CITATIONS
19	Characteristics of quasi-ballistic heat conduction in a multiple materials system based on the solution of the Boltzmann transport equation. European Physical Journal Plus, 2021, 136, 1.	2.6	0