

# Junjie Chen

## List of Publications by Year in descending order

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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	Effects of Different Phonon Scattering Factors on the Heat Transport Properties of Graphene Ribbons. ACS Omega, 2022, 7, 20186-20194.	3.5	2
2	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
3	Dimension-dependent thermal conductivity of graphene nanoribbons on silicon carbide. European Physical Journal Plus, 2021, 136, 1.	2.6	6
4	Gas diffusion in polymer nanocomposites: Role of defects and caves in fillers. Journal of Polymer Research, 2021, 28, 1.	2.4	1
5	Epoxy matrix composites reinforced with purified carbon nanotubes for thermal management applications. Polymers for Advanced Technologies, 2019, 30, 2770-2780.	3.2	6
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	Compact Steam-Methane Reforming for the Production of Hydrogen in Continuous Flow Microreactor Systems. ACS Omega, 2019, 4, 15600-15614.	3.5	15
8	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
9	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
10	Thermodynamic Equilibrium Analysis of Product Distribution in the Fischer-Tropsch Process Under Different Operating Conditions. ACS Omega, 2019, 4, 22237-22244.	3.5	6
11	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
12	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
13	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
14	Hydrogen-assisted catalytic ignition characteristics of propane-air with a chemical kinetic model in a Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> micro-combustor in different feeding modes. RSC Advances, 2015, 5, 14720-14734.	3.6	1
15	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
16	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
17	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
18	Study On Catalytic Combustion Of Hydrogen-Air Inside Microtube. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 80-96.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of micro-scale catalytic combustion characteristics with detailed chemical kinetic reaction mechanisms of hydrogen/air. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 19-37.	1.7	14