

Shenghui Zhong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3137918/publications.pdf>

Version: 2024-02-01

20
papers

355
citations

932766

10
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

211
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Structure and Laminar Flame Speed of an Ammonia/Methane/Air Premixed Flame under Varying Pressure and Equivalence Ratio. <i>Energy & Fuels</i> , 2021, 35, 7179-7192. | 2.5 | 60 |
| 2 | Large eddy simulation of spray combustion using flamelet generated manifolds combined with artificial neural networks. <i>Energy and AI</i> , 2020, 2, 100021. | 5.8 | 46 |
| 3 | Roles of CO ₂ and H ₂ O in premixed turbulent oxy-fuel combustion. <i>Fuel</i> , 2018, 234, 1044-1054. | 3.4 | 32 |
| 4 | Effects of ambient methanol on pollutants formation in dual-fuel spray combustion at varying ambient temperatures: A large-eddy simulation. <i>Applied Energy</i> , 2020, 279, 115774. | 5.1 | 32 |
| 5 | Water transport in the gas diffusion layer of proton exchange membrane fuel cell under vibration conditions. <i>International Journal of Energy Research</i> , 2020, 44, 4438-4448. | 2.2 | 27 |
| 6 | CFD modeling of biomass combustion and gasification in fluidized bed reactors using a distribution kernel method. <i>Combustion and Flame</i> , 2022, 236, 111744. | 2.8 | 22 |
| 7 | LES of H ₂ -air jet combustion in high enthalpy supersonic crossflow. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 20 |
| 8 | LES/TPDF investigation of the effects of ambient methanol concentration on pilot fuel ignition characteristics and reaction front structures. <i>Fuel</i> , 2021, 287, 119502. | 3.4 | 17 |
| 9 | Investigations on heat and mass transfer in gas diffusion layers of PEMFC with a gas-liquid-solid coupled model. <i>Applied Energy</i> , 2022, 316, 118996. | 5.1 | 17 |
| 10 | Numerical and theoretical investigation of ethanol/air flame instability. <i>Combustion Theory and Modelling</i> , 2020, 24, 1108-1129. | 1.0 | 12 |
| 11 | Effects of ambient pressure and nozzle diameter on ignition characteristics in diesel spray combustion. <i>Fuel</i> , 2021, 290, 119887. | 3.4 | 11 |
| 12 | Combustion characteristics of n-heptane spray combustion in a low temperature reform gas/air environment. <i>Fuel</i> , 2021, 293, 120377. | 3.4 | 10 |
| 13 | Large eddy simulation of n-heptane/syngas pilot ignition spray combustion: Ignition process, liftoff evolution and pollutant emissions. <i>Energy</i> , 2021, 233, 121080. | 4.5 | 10 |
| 14 | Structure and propagation of n-heptane/air premixed flame in low temperature ignition regime. <i>Applied Energy</i> , 2020, 275, 115320. | 5.1 | 9 |
| 15 | Characteristics of reactivity controlled combustion with n-heptane low temperature reforming products. <i>Fuel</i> , 2020, 275, 117980. | 3.4 | 9 |
| 16 | Large-eddy simulation of the injection timing effects on the dual-fuel spray flame. <i>Fuel</i> , 2022, 310, 122445. | 3.4 | 8 |
| 17 | Direct Numerical Simulation of Methane Turbulent Premixed Oxy-Fuel Combustion. , 0, , . | | 6 |
| 18 | Discharge characteristics of a gliding arc discharge in a supersonic jet air flow. <i>Physics of Plasmas</i> , 2022, 29, . | 0.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | On element mass conservation in Eulerian stochastic fields modeling of turbulent combustion. <i>Combustion and Flame</i> , 2022, 239, 111577. | 2.8 | 2 |
| 20 | Role of Low-Temperature Fuel Chemistry on Turbulent Flame Propagation. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2019, 35, 158-166. | 2.2 | 1 |