

Zhi X Chen

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

470
citations

759233

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g-index

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all docs

30
docs citations

30
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of MILD combustion using Perfectly Stirred Reactor model. Proceedings of the Combustion Institute, 2017, 36, 4279-4286.	3.9	50
2	Large Eddy Simulation of flame edge evolution in a spark-ignited methane-air jet. Proceedings of the Combustion Institute, 2017, 36, 1645-1652.	3.9	50
3	Large Eddy Simulation of a dual swirl gas turbine combustor: Flame/flow structures and stabilisation under thermoacoustically stable and unstable conditions. Combustion and Flame, 2019, 203, 279-300.	5.2	47
4	Simulation of turbulent lifted methane jet flames: Effects of air-dilution and transient flame propagation. Combustion and Flame, 2015, 162, 703-716.	5.2	40
5	Interaction between self-excited oscillations and fuel-air mixing in a dual swirl combustor. Proceedings of the Combustion Institute, 2019, 37, 2325-2333.	3.9	33
6	Application of machine learning for filtered density function closure in MILD combustion. Combustion and Flame, 2021, 225, 160-179.	5.2	30
7	Prediction of local extinctions in piloted jet flames with inhomogeneous inlets using unstrained flamelets. Combustion and Flame, 2020, 212, 415-432.	5.2	26
8	Large-Eddy Simulation of Reacting Flows in Industrial Gas Turbine Combustor. Journal of Propulsion and Power, 2018, 34, 1269-1284.	2.2	22
9	An a priori assessment of the Partially Stirred Reactor (PaSR) model for MILD combustion. Proceedings of the Combustion Institute, 2021, 38, 5403-5414.	3.9	19
10	Robust adaptive learning with Siamese network architecture for visual tracking. Visual Computer, 2021, 37, 881-894.	3.5	17
11	Lean Flame Root Dynamics in a Gas Turbine Model Combustor. Combustion Science and Technology, 2019, 191, 1019-1042.	2.3	15
12	Large Eddy simulation of a supersonic lifted hydrogen flame with perfectly stirred reactor model. Combustion and Flame, 2021, 230, 111441.	5.2	15
13	Influence of fuel plenum on thermoacoustic oscillations inside a swirl combustor. Fuel, 2020, 275, 117868.	6.4	14
14	Modelling Heat Loss Effects in the Large Eddy Simulation of a Lean Swirl-Stabilised Flame. Flow, Turbulence and Combustion, 2021, 106, 1355-1378.	2.6	14
15	<i>a priori</i> investigation of subgrid correlation of mixture fraction and progress variable in partially premixed flames. Combustion Theory and Modelling, 2018, 22, 862-882.	1.9	12
16	Numerical Study of a Cyclonic Combustor under Moderate or Intense Low-Oxygen Dilution Conditions Using Non-adiabatic Tabulated Chemistry. Energy & Fuels, 2018, 32, 10256-10265.	5.1	12
17	Study of MILD combustion using LES and advanced analysis tools. Proceedings of the Combustion Institute, 2021, 38, 5423-5432.	3.9	12
18	On the blow-off correlation for swirl-stabilised flames with a precessing vortex core. Combustion and Flame, 2022, 239, 111741.	5.2	10

#	ARTICLE	IF	CITATIONS
19	Investigation on the Flame Front and Flow Field in Acoustically Excited Swirling Flames with and without Confinement. <i>Combustion Science and Technology</i> , 2022, 194, 130-143.	2.3	8
20	Numerical study of transient evolution of lifted jet flames: partially premixed flame propagation and influence of physical dimensions. <i>Combustion Theory and Modelling</i> , 2016, 20, 592-612.	1.9	4
21	Long-term correlation tracking via spatial-temporal context. <i>Visual Computer</i> , 2020, 36, 425-442.	3.5	4
22	Robust visual tracking using self-adaptive strategy. <i>Multimedia Tools and Applications</i> , 2020, 79, 141-162.	3.9	4
23	Correlation Tracking via Self-Adaptive Fusion of Multiple Features. <i>Information (Switzerland)</i> , 2018, 9, 241.	2.9	3
24	A Robust Visual Tracking Algorithm Based on Spatial-Temporal Context Hierarchical Response Fusion. <i>Algorithms</i> , 2019, 12, 8.	2.1	3
25	The Role of CFD in Modern Jet Engine Combustor Design. , 2020, , .		2
26	Analysis of Flame Front Breaks Appearing in LES of Inhomogeneous Jet Flames Using Flamelets. <i>Flow, Turbulence and Combustion</i> , 2022, 108, 1159-1190.	2.6	2
27	Adaptive Hyper-Feature Fusion for Visual Tracking. <i>IEEE Access</i> , 2020, 8, 68711-68724.	4.2	1
28	Learning Spatial-temporal Background-Aware Based Tracking. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8427.	2.5	1
29	Siamese Visual Tracking with Robust Adaptive Learning. , 2019, , .		0
30	Flame Root Dynamics and Their Role in the Stabilisation of Lifted Flames. <i>Green Energy and Technology</i> , 2022, , 241-271.	0.6	0