Zhi X Chen

List of Publications by Year
in descending order

30 papers	470 citations	759233 12 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	289 citing authors

#	Article	IF	Citations
1	Investigation on the Flame Front and Flow Field in Acoustically Excited Swirling Flames with and without Confinement. Combustion Science and Technology, 2022, 194, 130-143.	2.3	8
2	Flame Root Dynamics and Their Role inÂthe Stabilisation of Lifted Flames. Green Energy and Technology, 2022, , 241-271.	0.6	0
3	On the blowâ€off correlation for swirlâ€stabilised flames with a precessing vortex core. Combustion and Flame, 2022, 239, 111741.	5.2	10
4	Analysis of Flame Front Breaks Appearing in LES of Inhomogeneous Jet Flames Using Flamelets. Flow, Turbulence and Combustion, 2022, 108, 1159-1190.	2.6	2
5	Robust adaptive learning with Siamese network architecture for visual tracking. Visual Computer, 2021, 37, 881-894.	3.5	17
6	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
7	Study of MILD combustion using LES and advanced analysis tools. Proceedings of the Combustion Institute, 2021, 38, 5423-5432.	3.9	12
8	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
9	Application of machine learning for filtered density function closure in MILD combustion. Combustion and Flame, 2021, 225, 160-179.	5.2	30
10	Large Eddy simulation of a supersonic lifted hydrogen flame with perfectly stirred reactor model. Combustion and Flame, 2021, 230, 111441.	5.2	15
11	Learning Spatialâ€"Temporal Background-Aware Based Tracking. Applied Sciences (Switzerland), 2021, 11, 8427.	2.5	1
12	Long-term correlation tracking via spatialâ€"temporal context. Visual Computer, 2020, 36, 425-442.	3.5	4
13	Robust visual tracking using self-adaptive strategy. Multimedia Tools and Applications, 2020, 79, 141-162.	3.9	4
14	Prediction of local extinctions in piloted jet flames with inhomogeneous inlets using unstrained flamelets. Combustion and Flame, 2020, 212, 415-432.	5.2	26
15	The Role of CFD in Modern Jet Engine Combustor Design. , 2020, , .		2
16	Influence of fuel plenum on thermoacoustic oscillations inside a swirl combustor. Fuel, 2020, 275, 117868.	6.4	14
17	Adaptive Hyper-Feature Fusion for Visual Tracking. IEEE Access, 2020, 8, 68711-68724.	4.2	1
18	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

#	Article	IF	Citations
19	A Robust Visual Tracking Algorithm Based on Spatial-Temporal Context Hierarchical Response Fusion. Algorithms, 2019, 12, 8.	2.1	3
20	Lean Flame Root Dynamics in a Gas Turbine Model Combustor. Combustion Science and Technology, 2019, 191, 1019-1042.	2.3	15
21	Siamese Visual Tracking with Robust Adaptive Learning. , 2019, , .		0
22	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
23	Correlation Tracking via Self-Adaptive Fusion of Multiple Features. Information (Switzerland), 2018, 9, 241.	2.9	3
24	*A priori* 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
25	Large-Eddy Simulation of Reacting Flows in Industrial Gas Turbine Combustor. Journal of Propulsion and Power, 2018, 34, 1269-1284.	2.2	22
26	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
27	Simulation of MILD combustion using Perfectly Stirred Reactor model. Proceedings of the Combustion Institute, 2017, 36, 4279-4286.	3.9	50
28	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
29	Numerical study of transient evolution of lifted jet flames: partially premixed flame propagation and influence of physical dimensions. Combustion Theory and Modelling, 2016, 20, 592-612.	1.9	4
30	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