Weeratunge Malalasekera

List of Publications by Year
in descending order

22 papers	185 citations	1162367 8 h-index	1125271 13 g-index
23 all docs	23 docs citations	23 times ranked	204 citing authors

#	Article	IF	Citations
1	Evaluation of the Flamelet/Progress-Variable Approach and Flamelet-Generated Manifolds Method in Laminar Counter-Flow Diffusion Flame. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2021, 100, 83-91.	0.2	0
2	An LES-DFSD study of transient premixed propane/air flames propagating past obstacles. Fuel, 2021, 302, 121099.	3.4	1
3	Effects of infinitely fast chemistry on combustion behavior of coaxial diffusion flame predicted by large eddy simulation. Fuel Processing Technology, 2020, 199, 106226.	3.7	6
4	Analysis of flame structure using detailed chemistry and applicability of flamelet/progress variable model in the laminar counter-flow diffusion flames of pulverized coals. Advanced Powder Technology, 2020, 31, 1302-1322.	2.0	11
5	Numerical studies of premixed hydrogen/air flames in a small-scale combustion chamber with varied area blockage ratio. International Journal of Hydrogen Energy, 2020, 45, 14979-14990.	3.8	15
6	Accurate Numerical Integration of Î²-PDF for the Flamelet Approach. Journal of Chemical Engineering of Japan, 2020, 53, 494-497.	0.3	0
7	Large Eddy Simulation of Scalar Mixing in Jet in a Cross-Flow. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	4
8	A numerical study of intake valve jet flapping in a gasoline direct injection engine. International Journal of Powertrains, 2018, 7, 38.	0.1	2
9	A Numerical Study of Dust Explosion Properties of Hydrogen Storage Alloy Materials. , 2018, , .		0
10	A Modified Boundary Condition of Velocity for Continuity Equation with Non-uniform Density Distribution at Outlet Boundary Plane. Journal of Chemical Engineering of Japan, 2018, 51, 641-645.	0.3	2
11	Numerical study of vented hydrogen explosions in a small scale obstructed chamber. International Journal of Hydrogen Energy, 2018, 43, 16667-16683.	3.8	25
12	On the mechanism of pressure rise in vented explosions: A numerical study. Chemical Engineering Research and Design, 2018, 117, 551-564.	2.7	17
13	Impingement characteristics of an early injection gasoline direct injection engine: A numerical study. International Journal of Engine Research, 2017, 18, 378-393.	1.4	13
14	Observations on the implementation of LEDs for general lighting. , 2016, , .		0
15	Development of a user-friendly, low-cost home energy monitoring and recording system. Energy, 2016, 111, 32-46.	4.5	23
16	Numerical Simulation of Hydrogen Discharge in a Partially Enclosed Space. Energy Procedia, 2015, 66, 153-156.	1.8	5
17	An assessment of computational fluid dynamic simulations and appropriate simplifications used for the development of LED luminaires. , 2014, , .		0
18	A review of LED technology trends and relevant thermal management strategies. , 2014, , .		9

#	Article	IF	Citations
19	Experience With the Large Eddy Simulation (LES) Technique for the Modeling of Premixed and Non-Premixed Combustion. Heat Transfer Engineering, 2013, 34, 1156-1170.	1.2	10
20	The impact of variable demand upon the performance of a combined cycle gas turbine (CCGT) power plant. Energy, 2011, 36, 1956-1965.	4.5	31
21	An Adaptive Angular Quadrature for the Discrete Transfer Method Based on Error Estimation. Journal of Heat Transfer, 2003, 125, 301-311.	1.2	9
22	Numerical Simulations of a GDI Engine Flow Using LES and POD. , 0, , .		1