

# Weeratunge Malalasekera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2973107/publications.pdf>

Version: 2024-02-01

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	The impact of variable demand upon the performance of a combined cycle gas turbine (CCGT) power plant. <i>Energy</i> , 2011, 36, 1956-1965.	4.5	31
2	Numerical study of vented hydrogen explosions in a small scale obstructed chamber. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16667-16683.	3.8	25
3	Development of a user-friendly, low-cost home energy monitoring and recording system. <i>Energy</i> , 2016, 111, 32-46.	4.5	23
4	On the mechanism of pressure rise in vented explosions: A numerical study. <i>Chemical Engineering Research and Design</i> , 2018, 117, 551-564.	2.7	17
5	Numerical studies of premixed hydrogen/air flames in a small-scale combustion chamber with varied area blockage ratio. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14979-14990.	3.8	15
6	Impingement characteristics of an early injection gasoline direct injection engine: A numerical study. <i>International Journal of Engine Research</i> , 2017, 18, 378-393.	1.4	13
7	Analysis of flame structure using detailed chemistry and applicability of flamelet/progress variable model in the laminar counter-flow diffusion flames of pulverized coals. <i>Advanced Powder Technology</i> , 2020, 31, 1302-1322.	2.0	11
8	Experience With the Large Eddy Simulation (LES) Technique for the Modeling of Premixed and Non-Premixed Combustion. <i>Heat Transfer Engineering</i> , 2013, 34, 1156-1170.	1.2	10
9	An Adaptive Angular Quadrature for the Discrete Transfer Method Based on Error Estimation. <i>Journal of Heat Transfer</i> , 2003, 125, 301-311.	1.2	9
10	A review of LED technology trends and relevant thermal management strategies. , 2014, , .		9
11	Effects of infinitely fast chemistry on combustion behavior of coaxial diffusion flame predicted by large eddy simulation. <i>Fuel Processing Technology</i> , 2020, 199, 106226.	3.7	6
12	Numerical Simulation of Hydrogen Discharge in a Partially Enclosed Space. <i>Energy Procedia</i> , 2015, 66, 153-156.	1.8	5
13	Large Eddy Simulation of Scalar Mixing in Jet in a Cross-Flow. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019, 141, .	0.5	4
14	A numerical study of intake valve jet flapping in a gasoline direct injection engine. <i>International Journal of Powertrains</i> , 2018, 7, 38.	0.1	2
15	A Modified Boundary Condition of Velocity for Continuity Equation with Non-uniform Density Distribution at Outlet Boundary Plane. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 641-645.	0.3	2
16	Numerical Simulations of a GDI Engine Flow Using LES and POD. , 0, , .		1
17	An LES-DFSD study of transient premixed propane/air flames propagating past obstacles. <i>Fuel</i> , 2021, 302, 121099.	3.4	1
18	An assessment of computational fluid dynamic simulations and appropriate simplifications used for the development of LED luminaires. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Observations on the implementation of LEDs for general lighting. , 2016, , .		0
20	A Numerical Study of Dust Explosion Properties of Hydrogen Storage Alloy Materials. , 2018, , .		0
21	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
22	Accurate Numerical Integration of $\hat{\tau}^2$ -PDF for the Flamelet Approach. Journal of Chemical Engineering of Japan, 2020, 53, 494-497.	0.3	0