

# Miguel GÃ³mez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

867  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental analysis of the ignition front propagation of several biomass fuels in a fixed-bed combustor. <i>Fuel</i> , 2010, 89, 26-35.	6.4	157
2	CFD modelling of thermal conversion and packed bed compaction in biomass combustion. <i>Fuel</i> , 2014, 117, 716-732.	6.4	118
3	Mathematical modelling of the combustion of a single wood particle. <i>Fuel Processing Technology</i> , 2006, 87, 169-175.	7.2	91
4	Numerical simulation of a small-scale biomass boiler. <i>Energy Conversion and Management</i> , 2012, 64, 87-96.	9.2	84
5	CFD simulation of a solar radiation absorber. <i>International Journal of Heat and Mass Transfer</i> , 2013, 57, 231-240.	4.8	55
6	Fast-solving thermally thick model of biomass particles embedded in a CFD code for the simulation of fixed-bed burners. <i>Energy Conversion and Management</i> , 2015, 105, 30-44.	9.2	54
7	Numerical simulation of the combustion process of a pellet-drop-feed boiler. <i>Fuel</i> , 2016, 184, 987-999.	6.4	54
8	Eulerian CFD modelling for biomass combustion. Transient simulation of an underfeed pellet boiler. <i>Energy Conversion and Management</i> , 2015, 101, 666-680.	9.2	51
9	Simulation and experimental validation of a methanol burner. <i>Fuel</i> , 2009, 88, 326-334.	6.4	28
10	Dynamic simulation of a biomass domestic boiler under thermally thick considerations. <i>Energy Conversion and Management</i> , 2017, 140, 260-272.	9.2	27
11	Numerical study of an external device for the improvement of the thermal stratification in hot water storage tanks. <i>Applied Thermal Engineering</i> , 2018, 144, 996-1009.	6.0	25
12	Comprehensive CFD modeling of the ash deposition in a biomass packed bed burner. <i>Fuel</i> , 2018, 234, 1099-1122.	6.4	25
13	Simulation of the Effect of Water Temperature on Domestic Biomass Boiler Performance. <i>Energies</i> , 2012, 5, 1044-1061.	3.1	19
14	An Eulerian model for the simulation of the thermal conversion of a single large biomass particle. <i>Fuel</i> , 2018, 220, 671-681.	6.4	18
15	CFD study of fouling phenomena in small-scale biomass boilers: Experimental validation with two different boilers. <i>Renewable Energy</i> , 2019, 140, 552-562.	8.9	16
16	Numerical study of the thermal behaviour of a water heater tank with a corrugated coil. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 574-586.	4.8	15
17	Assessment of the Fire Dynamics Simulator for Modeling Fire Suppression in Engine Rooms of Ships with Low-Pressure Water Mist. <i>Fire Technology</i> , 2020, 56, 1315-1352.	3.0	14
18	Adapted interfaces and interactive electronic devices for the smart home. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
19	CFD Steady Model Applied to a Biomass Boiler Operating in Air Enrichment Conditions. <i>Energies</i> , 2018, 11, 2513.	3.1	5
20	Assessment of experimental 1D and analytical 3D steady approaches of packed bed thermal conversion through the simulation of a 60-kW biomass boiler operating at half and full load. <i>Energy Conversion and Management</i> , 2022, 268, 116003.	9.2	4
21	CFD Analysis of a Buffer Tank Redesigned with a Thermosyphon Concentrator Tube. <i>Energies</i> , 2019, 12, 2162.	3.1	1
22	Experimental Study on the Stability and Transient Behavior of a Closed-Loop Two-Phase Thermosyphon (CLTPT) Charged with NOVEC 649. <i>Energies</i> , 2021, 14, 7920.	3.1	1