

# Carlos Eduardo Castilla Alvarez

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

390  
citations

1307594

7  
h-index

1588992

8  
g-index

14  
all docs

14  
docs citations

14  
times ranked

290  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of volume variation in a homogeneous prechamber ignition system in combustion characteristics and exhaust emissions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	10
2	Análisis del desempeño de la potencia y el torque de un motor diesel operando con mezclas de biodiesel de palma. Ingenieria, 2020, 25, 250-263.	0.3	2
3	Evaluation of a stratified prechamber ignition concept for vehicular applications in real world and standardized driving cycles. Applied Energy, 2019, 254, 113691.	10.1	37
4	Combustion analysis of a SI engine with stratified and homogeneous pre-chamber ignition system using ethanol and hydrogen. Applied Thermal Engineering, 2019, 160, 113985.	6.0	44
5	Effects of mixture enrichment in combustion and emission parameters using a flex-fuel engine with ethanol and gasoline. Applied Thermal Engineering, 2019, 153, 463-472.	6.0	50
6	MODELADO Y SIMULACIÓN DEL COMPORTAMIENTO DE VELOCIDAD DE UN DINAMÓMETRO HIDRÁULICO. Revista Colombiana De Tecnologías De Avanzada (rcta), 2019, 1, .	0.0	0
7	A review of prechamber ignition systems as lean combustion technology for SI engines. Applied Thermal Engineering, 2018, 128, 107-120.	6.0	199
8	Numerical simulation and experimental validation of a solar-assisted heat pump system for heating residential water. International Journal of Refrigeration, 2018, 86, 28-39.	3.4	9
9	Zero-dimensional mathematical model of the torch ignited engine. Applied Thermal Engineering, 2016, 103, 1237-1250.	6.0	19
10	Combustion Analysis of a Current Vehicular Engine Operating in Lean Air-Fuel Conditions. , 0, , .		4
11	Combustion analysis in a SI engine with homogeneous and stratified pre-chamber system. , 0, , .		9
12	Combustion influence of a pre-chamber ignition system in a SI commercial engine. , 0, , .		6
13	Effects of operation temperature on exhaust emissions in a spark ignition system using pre-chamber stratified system. , 0, , .		0
14	Exhaust Emission Analysis of a Spark Ignition Engine Operating with Hydrogen Injection in a Pre-Combustion Chamber. , 0, , .		1