

# Jorge Arroyo

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

319  
citations

9  
h-index

14  
g-index

14  
ext. papers

353  
ext. citations

5.5  
avg, IF

3.06  
L-index

#	Paper	IF	Citations
13	Efficiency and emissions in a vehicle spark ignition engine fueled with hydrogen and methane blends. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 11495-11503	6.7	59
12	Combustion behavior of a spark ignition engine fueled with synthetic gases derived from biogas. <i>Fuel</i> , <b>2014</b> , 117, 50-58	7.1	55
11	Performance and emissions of a diesel engine using sunflower biodiesel with a renewable antioxidant additive from bio-oil. <i>Fuel</i> , <b>2018</b> , 234, 276-285	7.1	53
10	Combustion analysis of a spark ignition engine fueled with gaseous blends containing hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13564-13573	6.7	41
9	Experimental study of ignition timing and supercharging effects on a gasoline engine fueled with synthetic gases extracted from biogas. <i>Energy Conversion and Management</i> , <b>2015</b> , 97, 196-211	10.6	26
8	Efficiency and emissions of a spark ignition engine fueled with synthetic gases obtained from catalytic decomposition of biogas. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 3784-3792	6.7	26
7	CFD-based method with an improved ignition model for estimating cyclic variability in a spark-ignition engine fueled with methane. <i>Energy Conversion and Management</i> , <b>2018</b> , 174, 769-778	10.6	17
6	Diagnostic method based on the analysis of the vibration and acoustic emission energy for emergency diesel generators in nuclear plants. <i>Applied Acoustics</i> , <b>2013</b> , 74, 502-508	3.1	15
5	Catalytic decomposition of biogas to produce hydrogen rich fuels for SI engines and valuable nanocarbons. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 15084-15091	6.7	10
4	Combustion Analysis of a Spark-Ignition Engine Fueled on Methane-Hydrogen Blend with Variable Equivalence Ratio Using a Computational Fluid Dynamics Code. <i>Journal of Energy Engineering - ASCE</i> , <b>2016</b> , 142,	1.7	8
3	Modifications of a Spark ignition Engine to Operate with Hydrogen and Methane Blends. <i>Renewable Energy and Power Quality Journal</i> , <b>2010</b> , 1, 421-426		4
2	Engine diagnosis method based on vibration and acoustic emission energy. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , <b>2012</b> , 54, 149-154	1.3	3
1	Spark-Ignition Engine Fueled with Methane-Hydrogen Blends. <i>Green Energy and Technology</i> , <b>2016</b> , 405-406		2