# Jose Antonio Soriano

List of Publications by Year
in descending order



| 42 | 3,271 | 331538 21 | 302012 39 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 42 | 42 | 42 | 2461 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of biodiesel fuels on diesel engine emissions. Progress in Energy and Combustion Science, 2008, 34, 198-223. | 15.8 | 1,578 |
| 2 | Impact of fuel formulation on the nanostructure and reactivity of diesel soot. Combustion and Flame, 2012, 159, 3597-3606. | 2.8 | 249 |
| 3 | Effect of alternative fuels on exhaust emissions during diesel engine operation with matched combustion phasing. Fuel, 2010, 89, 438-456. | 3.4 | 149 |
| 4 | Effect of Ethanol on Blending Stability and Diesel Engine Emissions. Energy & Fuels, 2009, 23, 4343-4354. | 2.5 | 130 |
| 5 | Emissions from different alternative diesel fuels operating with single and split fuel injection. Fuel, 2010, 89, 423-437. | 3.4 | 119 |
| 6 | Impact of engine operating modes and combustion phasing on the reactivity of diesel soot. Combustion and Flame, 2013, 160, 682-691. | 2.8 | 111 |
| 7 | Impact of crude vegetable oils on the oxidation reactivity and nanostructure of diesel particulate matter. Combustion and Flame, 2014, 161, 2904-2915. | 2.8 | 92 |
| 8 | Potential for reducing emissions in a diesel engine by fuelling with conventional biodiesel and Fischerâ€“Tropsch diesel. Fuel, 2010, 89, 3106-3113. | 3.4 | 85 |
| 9 | Diesel Particle Size Distribution Estimation from Digital Image Analysis. Aerosol Science and Technology, 2003, 37, 369-381. | 1.5 | 83 |
| 10 | Oxidation reactivity and nanostructural characterization of the soot coming from farnesane - A novel diesel fuel derived from sugar cane. Carbon, 2017, 125, 516-529. | 5.4 | 69 |
| 11 | Pollutant emissions from New European Driving Cycle with ethanol and butanol diesel blends. Fuel Processing Technology, 2014, 122, 64-71. | 3.7 | 64 |
| 12 | Impact of alternative fuels on performance and pollutant emissions of a light duty engine tested under the new European driving cycle. Applied Energy, 2013, 107, 183-190. | 5.1 | 54 |
| 13 | Evaluating thermoelectric modules in diesel exhaust systems: potential under urban and extra-urban driving conditions. Journal of Cleaner Production, 2018, 182, 1070-1079. | 4.6 | 41 |
| 14 | Evaluation of sooting tendency of different oxygenated and paraffinic fuels blended with diesel fuel. Fuel, 2016, 184, 536-543. | 3.4 | 36 |
| 15 | Influence on Performance and Emissions of an Automotive Diesel Engine Fueled with Biodiesel and Paraffinic Fuels: GTL and Biojet Fuel Farnesane. Energy & Fuels, 2018, 32, 5125-5133. | 2.5 | 36 |
| 16 | Impact of regulated pollutant emissions of Euro 6d-Temp light-duty diesel vehicles under real driving conditions. Journal of Cleaner Production, 2021, 286, 124927. | 4.6 | 36 |
| 17 | Comparative study of pollutant emissions from engine starting with animal fat biodiesel and GTL fuels. Fuel, 2013, 113, 560-570. | 3.4 | 32 |
| 18 | Impact of Animal Fat Biodiesel, GTL, and HVO Fuels on Combustion, Performance, and Pollutant Emissions of a Light-Duty Diesel Vehicle Tested under the NEDC. Journal of Energy Engineering - ASCE, 2015, 141, . | 1.0 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A zero-dimensional model to simulate injection rate from first generation common rail diesel injectors under thermodynamic diagnosis. Energy, 2018, 158, 845-858. | 4.5 | 29 |
| 20 | Estimation of Opacity Tendency of Ethanolâ€“ and Biodieselâ€“Diesel Blends by Means of the Smoke Point Technique. Energy & Fuels, 2011, 25, 3283-3288. | 2.5 | 24 |
| 21 | Alternative method for bulk modulus estimation of Diesel fuels. Fuel, 2016, 167, 199-207. | 3.4 | 24 |
| 22 | Influence of ethanol/diesel fuel and propanol/diesel fuel blends over exhaust and noise emissions. Energy Procedia, 2017, 142, 849-854. | 1.8 | 24 |
| 23 | Developing Computational Fluid Dynamics (CFD) Models to Evaluate Available Energy in Exhaust Systems of Diesel Light-Duty Vehicles. Applied Sciences (Switzerland), 2017, 7, 590. | 1.3 | 24 |
| 24 | A comparative study of performance and regulated emissions in a medium-duty diesel engine fueled with sugarcane diesel-farnesane and sugarcane biodiesel-LS9. Energy, 2019, 176, 392-409. | 4.5 | 21 |
| 25 | Biodiesel Emissions from a Baseline Engine Operated with Different Injection Systems and Exhaust Gas Recirculation (EGR) Strategies during Transient Sequences. Energy & Fuels, 2009, 23, 6168-6180. | 2.5 | 19 |
| 26 | Vision based algorithm for automated determination of smoke point of diesel blends. Fuel, 2019, 235, 595-602. | 3.4 | 14 |
| 27 | Impact of Gas To Liquid and diesel fuels on the engine cold start. Fuel, 2017, 203, 298-307. | 3.4 | 13 |
| 28 | Impact of injection strategy and GTL fuels on combustion process and performance under diesel engine start. Fuel, 2017, 200, 529-544. | 3.4 | 12 |
| 29 | Influence of Short Carbon-Chain Alcohol (Ethanol and 1-Propanol)/Diesel Fuel Blends over Diesel Engine Emissions. Energies, 2021, 14, 1309. | 1.6 | 12 |
| 30 | Effect of an ethanolâ€“diesel blend on a common-rail injection system. International Journal of Engine Research, 2012, 13, 417-428. | 1.4 | 10 |
| 31 | Thermoelectric Energy Recovery in a Light-Duty Diesel Vehicle under Real-World Driving Conditions at Different Altitudes with Diesel, Biodiesel and GTL Fuels. Energies, 2019, 12, 1105. | 1.6 | 9 |
| 32 | Development of the Level of Preventive Action Method by Observation of the Characteristic Value for the Assessment of Occupational Risks on Construction Sites. International Journal of Environmental Research and Public Health, 2021, 18, 8387. | 1.2 | 7 |
| 33 | Estimation of thermal loads in a climatic chamber for vehicle testing. Transportation Research, Part D: Transport and Environment, 2018, 65, 761-771. | 3.2 | 6 |
| 34 | Comparative study of the effect of a new renewable paraffinic fuel on the combustion process of a light-duty diesel engine. Energy, 2019, 189, 116337. | 4.5 | 6 |
| 35 | Simulation of Optimal Driving for Minimization of Fuel Consumption or NOx Emissions in a Diesel Vehicle. Energies, 2021, 14, 5513. | 1.6 | 5 |
| 36 | Modelling of particle size distributions produced by a Diesel engine fueled with different fossil and renewable fuels under like urban and extra-urban operating conditions. Fuel, 2020, 263, 116730. | 3.4 | 4 |

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|---|---|---|---|
| 37 | Impact of Alternative Paraffinic Fuels on the Durability of a Modern Common Rail Injection System. Energies, 2020, 13, 4166. | 1.6 | 4 |
| 38 | An Optical Engine Used as a Physical Model for Studies of the Combustion Process Applying a Two-Color Pyrometry Technique. Energies, 2022, 15, 4717. | 1.6 | 3 |
| 39 | Impact of alternative and fossil diesel fuels on internal flow of injection nozzle. International Journal of Engine Research, 0, , 146808742199652. | 1.4 | 2 |
| 40 | Study of the Thermochemical Properties of Lignocellulosic Biomass from Energy Crops. Energies, 2021, 14, 3780. | 1.6 | 2 |
| 41 | Morphological Analysis of Particulate Matter emitted by a Diesel Engine using Digital Image Analysis Algorithms and Scanning Mobility Particle Sizer. , 0, , . | | 1 |
| 42 | Biojet fuels and emissions. , 2022, , 177-199. | | 1 |