Maurin Salamanca

List of Publications by Year
in descending order

23	856	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soot inception: Carbonaceous nanoparticle formation in flames. Progress in Energy and Combustion Science, 2022, 88, 100956.	31.2	117
2	Variations in the chemical composition and morphology of soot induced by the unsaturation degree of biodiesel and a biodiesel blend. Combustion and Flame, 2012, 159, 1100-1108.	5.2	104
3	Particulate Formation in Premixed and Counter-flow Diffusion Ethylene/Ethanol Flames. Energy & Fuels, 2012, 26, 6144-6152.	5.1	69
4	Understanding the removal of an anionic dye in textile wastewaters by adsorption on ZnCl2 activated carbons from rice and coffee husk wastes: A combined experimental and theoretical study. Journal of Environmental Chemical Engineering, 2021, 9, 105685.	6.7	68
5	Influence of palm oil biodiesel on the chemical and morphological characteristics of particulate matter emitted by a diesel engine. Atmospheric Environment, 2012, 62, 220-227.	4.1	66
6	Investigation of the size of the incandescent incipient soot particles in premixed sooting and nucleation flames of n-butane using LII, HIM, and 1 nm-SMPS. Aerosol Science and Technology, 2017, 51, 916-935.	3.1	56
7	The effect of ethanol on the particle size distributions in ethylene premixed flames. Experimental Thermal and Fluid Science, 2012, 43, 71-75.	2.7	51
8	The role of dimethyl ether as substituent to ethylene on particulate formation in premixed and counter-flow diffusion flames. Fuel, 2014, 126, 256-262.	6.4	48
9	OntoKin: An Ontology for Chemical Kinetic Reaction Mechanisms. Journal of Chemical Information and Modeling, 2020, 60, 108-120.	5.4	47
10	Selective removal of acetaminophen in urine with activated carbons from rice (Oryza sativa) and coffee (Coffea arabica) husk: Effect of activating agent, activation temperature and analysis of physical-chemical interactions. Journal of Environmental Chemical Engineering, 2019, 7, 103318.	6.7	37
11	Improved methodology for performing the inverse Abel transform of flame images for color ratio pyrometry. Applied Optics, 2019, 58, 2662.	1.8	32
12	Knowledge Graph Approach to Combustion Chemistry and Interoperability. ACS Omega, 2020, 5, 18342-18348.	3.5	26
13	The impact of cyclic fuels on the formation and structure of soot. Combustion and Flame, 2020, 219, 1-12.	5.2	25
14	The effect of poly(oxymethylene) dimethyl ethers (PODE3) on soot formation in ethylene/PODE3 laminar coflow diffusion flames. Fuel, 2021, 283, 118769.	6.4	23
15	Hydrothermal synthesis of new wolframite type trimetallic materials and their use in oxidative dehydrogenation of propane. Physical Chemistry Chemical Physics, 2009, 11, 9583.	2.8	16
16	Structural effects of C3 oxygenated fuels on soot formation in ethylene coflow diffusion flames. Combustion and Flame, 2021, 232, 111512.	5.2	13
17	An experimental laminar flame investigation of dual-fuel mixtures of C4 methyl esters with C2â€“C4 hydrocarbon base fuels. Proceedings of the Combustion Institute, 2019, 37, 1725-1732.	3.9	13
18	Chemical Characteristics of the Soot Produced in a High-Speed Direct Injection Engine Operated with Diesel/Biodiesel Blends. Combustion Science and Technology, 2012, 184, 1179-1190.	2.3	12

#	Article	IF	Citations
19	Variations of the Soot Precursors Chemical Composition Induced by Ethanol Addition to Fuel. Energy & Fuels, 2012, 26, 6602-6611.	5.1	12
20	Uso de zeolita faujasita para adsorciÃ³n de iones en aguas residuales municipales. Tecnologia Y Ciencias Del Agua, 2018, 09, 184-208.	0.3	8
21	The role of NO2 and NO in the mechanism of hydrocarbon degradation leading to carbonaceous deposits in engines. Fuel, 2020, 267, 117218.	6.4	7
22	How do the oxygenated functional groups in ether, carbonate and alcohol affect soot formation in Jet A2 diffusion flames?. Combustion and Flame, 2022, 243, 111849.	5.2	6
23	Oxidative dehydrogenation of propane with cobalt, tungsten and molybdenum based materials. Revista Facultad De IngenierÃa, 2017, , 97-104.	0.5	0