

Maurin Salamanca

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

856
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	Soot inception: Carbonaceous nanoparticle formation in flames. <i>Progress in Energy and Combustion Science</i> , 2022, 88, 100956.	31.2	117
2	How do the oxygenated functional groups in ether, carbonate and alcohol affect soot formation in Jet A2 diffusion flames?. <i>Combustion and Flame</i> , 2022, 243, 111849.	5.2	6
3	The effect of poly(oxymethylene) dimethyl ethers (PODE3) on soot formation in ethylene/PODE3 laminar coflow diffusion flames. <i>Fuel</i> , 2021, 283, 118769.	6.4	23
4	Understanding the removal of an anionic dye in textile wastewaters by adsorption on ZnCl ₂ activated carbons from rice and coffee husk wastes: A combined experimental and theoretical study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105685.	6.7	68
5	Structural effects of C ₃ oxygenated fuels on soot formation in ethylene coflow diffusion flames. <i>Combustion and Flame</i> , 2021, 232, 111512.	5.2	13
6	OntoKin: An Ontology for Chemical Kinetic Reaction Mechanisms. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 108-120.	5.4	47
7	Knowledge Graph Approach to Combustion Chemistry and Interoperability. <i>ACS Omega</i> , 2020, 5, 18342-18348.	3.5	26
8	The role of NO ₂ and NO in the mechanism of hydrocarbon degradation leading to carbonaceous deposits in engines. <i>Fuel</i> , 2020, 267, 117218.	6.4	7
9	The impact of cyclic fuels on the formation and structure of soot. <i>Combustion and Flame</i> , 2020, 219, 1-12.	5.2	25
10	Selective removal of acetaminophen in urine with activated carbons from rice (<i>Oryza sativa</i>) and coffee (<i>Coffea arabica</i>) husk: Effect of activating agent, activation temperature and analysis of physical-chemical interactions. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103318.	6.7	37
11	An experimental laminar flame investigation of dual-fuel mixtures of C ₄ methyl esters with C ₂ –C ₄ hydrocarbon base fuels. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1725-1732.	3.9	13
12	Improved methodology for performing the inverse Abel transform of flame images for color ratio pyrometry. <i>Applied Optics</i> , 2019, 58, 2662.	1.8	32
13	Uso de zeolita faujasita para adsorción de iones en aguas residuales municipales. <i>Tecnología Y Ciencias Del Agua</i> , 2018, 09, 184-208.	0.3	8
14	Investigation of the size of the incandescent incipient soot particles in premixed sooting and nucleation flames of <i>n</i> -butane using LII, HIM, and 1 nm-SMPS. <i>Aerosol Science and Technology</i> , 2017, 51, 916-935.	3.1	56
15	Oxidative dehydrogenation of propane with cobalt, tungsten and molybdenum based materials. <i>Revista Facultad De Ingeniería</i> , 2017, , 97-104.	0.5	0
16	The role of dimethyl ether as substituent to ethylene on particulate formation in premixed and counter-flow diffusion flames. <i>Fuel</i> , 2014, 126, 256-262.	6.4	48
17	Influence of palm oil biodiesel on the chemical and morphological characteristics of particulate matter emitted by a diesel engine. <i>Atmospheric Environment</i> , 2012, 62, 220-227.	4.1	66
18	Chemical Characteristics of the Soot Produced in a High-Speed Direct Injection Engine Operated with Diesel/Biodiesel Blends. <i>Combustion Science and Technology</i> , 2012, 184, 1179-1190.	2.3	12

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19	Variations of the Soot Precursors Chemical Composition Induced by Ethanol Addition to Fuel. Energy & Fuels, 2012, 26, 6602-6611.	5.1	12
20	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
21	Particulate Formation in Premixed and Counter-flow Diffusion Ethylene/Ethanol Flames. Energy & Fuels, 2012, 26, 6144-6152.	5.1	69
22	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
23	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