

Katiuska Alexandrino

List of Publications by Year in descending order

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19
papers

328
citations

840776

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839539

18
g-index

19
all docs

19
docs citations

19
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Sooting propensity of dimethyl carbonate, soot reactivity and characterization. <i>Fuel</i> , 2016, 183, 64-72.	6.4	41
2	Novel aspects in the pyrolysis and oxidation of 2,5-dimethylfuran. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 1717-1725.	3.9	37
3	An experimental and modeling study of the ignition of dimethyl carbonate in shock tubes and rapid compression machine. <i>Combustion and Flame</i> , 2018, 188, 212-226.	5.2	32
4	Biomonitoring of metal levels in urban areas with different vehicular traffic intensity by using <i>Araucaria heterophylla</i> needles. <i>Ecological Indicators</i> , 2020, 117, 106701.	6.3	31
5	2-methylfuran pyrolysis: Gas-phase modelling and soot formation. <i>Combustion and Flame</i> , 2018, 188, 376-387.	5.2	29
6	Influence of the Temperature and 2,5-Dimethylfuran Concentration on Its Sooting Tendency. <i>Combustion Science and Technology</i> , 2016, 188, 651-666.	2.3	25
7	Comprehensive Review of the Impact of 2,5-Dimethylfuran and 2-Methylfuran on Soot Emissions: Experiments in Diesel Engines and at Laboratory-Scale. <i>Energy & Fuels</i> , 2020, 34, 6598-6623.	5.1	21
8	Interaction between 2,5-Dimethylfuran and Nitric Oxide: Experimental and Modeling Study. <i>Energy & Fuels</i> , 2014, 28, 4193-4198.	5.1	20
9	Chemical characterization of urban PM10 in the Tropical Andes. <i>Atmospheric Pollution Research</i> , 2020, 11, 343-356.	3.8	20
10	Gas and soot formed in the dimethoxymethane pyrolysis. Soot characterization. <i>Fuel Processing Technology</i> , 2018, 179, 369-377.	7.2	19
11	2-methylfuran Oxidation in the Absence and Presence of NO. <i>Flow, Turbulence and Combustion</i> , 2016, 96, 343-362.	2.6	12
12	Assessment of metals in PM10 filters and <i>Araucaria heterophylla</i> needles in two areas of Quito, Ecuador. <i>Heliyon</i> , 2021, 7, e05966.	3.2	10
13	Seasonal variations in PM10 inorganic composition in the Andean city. <i>Scientific Reports</i> , 2020, 10, 17049.	3.3	8
14	Reactivity and Physicochemical Properties of the Soot Produced in the Pyrolysis of 2,5-Dimethylfuran and 2-Methylfuran. <i>Energy & Fuels</i> , 2019, 33, 9851-9858.	5.1	7
15	Seasonal variation of the criteria air pollutants concentration in an urban area of a high-altitude city. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1167-1180.	3.5	6
16	The effect of national protest in Ecuador on PM pollution. <i>Scientific Reports</i> , 2021, 11, 17591.	3.3	6
17	Experimental and simulation study of the high pressure oxidation of dimethyl carbonate. <i>Fuel</i> , 2022, 309, 122154.	6.4	2
18	Assessment of airborne metal pollution in urban parks and industrial areas using <i>Callistemon citrinus</i> and <i>Acacia melanoxylon</i> . <i>Applied Geochemistry</i> , 2022, 139, 105263.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Evaluation of Smart Phone Open Source Applications for Air Pollution. Advances in Intelligent Systems and Computing, 2020, , 474-484.	0.6	0