Pilar Martin

List of Publications by Year
in descending order

53	988	361388 20	501174 28
papers	citations	h-index	g-index

53	53	53	840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of PAHs, nitrated PAHs and oxygenated PAHs in PM10 urban aerosols. A comprehensive data analysis. Chemosphere, 2022, 294, 133745.	8.2	30
2	Assessment of CO2 and aerosol (PM2.5, PM10, UFP) concentrations during the reopening of schools in the COVID-19 pandemic: The case of a metropolitan area in Central-Southern Spain. Environmental Research, 2021, 197, 111092.	7.5	42
3	Investigation of formaldehyde and other carbonyls in a small urban atmosphere using passive samplers. A comprehensive data analysis. Microchemical Journal, 2021, 167, 106270.	4.5	16
4	Atmospheric degradation of 3-ethoxy-1-propanol by reactions with Cl, OH and NO3. Chemosphere, 2021, 281, 130755.	8.2	4
5	Evaluation of the SOA Formation in the Reaction of Furfural with Atmospheric Oxidants. Atmosphere, 2020, 11, 927.	2.3	4
6	Atmospheric fate of a series of saturated alcohols: kinetic and mechanistic study. Atmospheric Chemistry and Physics, 2020, 20, 699-720.	4.9	4
7	Tropospheric reactivity of 2-ethoxyethanol with OH and NO3 radicals and Cl atoms. Kinetic and mechanistic study. Atmospheric Environment, 2020, 224, 117367.	4.1	8
8	Chemical composition and heterogeneous reactivity of soot generated in the combustion of diesel and GTL (Gas-to-Liquid) fuels and amorphous carbon Printex U with NO2 and CF3COOH gases. Atmospheric Environment, 2018, 177, 214-221.	4.1	20
9	Analysis of reaction products formed in the gas phase reaction of E,E-2,4-hexadienal with atmospheric oxidants: Reaction mechanisms and atmospheric implications. Atmospheric Environment, 2018, 176, 188-200.	4.1	6
10	Application of gas chromatography coupled with tandem mass spectrometry for the assessment of PAH levels in non industrial indoor air. Microchemical Journal, 2018, 142, 117-125.	4.5	12
11	Chemical characterization of diesel and hydrotreated vegetable oil (HVO) soot after reactive gas probing using diffuse reflectance FTIR spectroscopy (DRIFTS). Environmental Science and Pollution Research, 2017, 24, 7534-7543.	5.3	8
12	Kinetic study of the OH, NO 3 radicals and Cl atom initiated atmospheric photo-oxidation of iso-propenyl methyl ether. Atmospheric Environment, 2016, 127, 80-89.	4.1	17
13	Molecular Characterization of the Gasâ€“Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. Environmental Science & Technology, 2016, 50, 2946-2955.	10.0	15
14	Diffuse Reflectance Infrared Fourier Transform Spectroscopy (DRIFTS) applied to the chemical characterization of Diesel soot. Global Nest Journal, 2016, 18, 453-462.	0.1	2
15	Reaction products and mechanisms for the reaction of n-butyl vinyl ether with the oxidants OH and Cl: Atmospheric implications. Atmospheric Environment, 2015, 122, 282-290.	4.1	7
16	UV absorption cross sections between 290 and 380Ânm of a series of furanaldehydes: Estimation of their photolysis lifetimes. Atmospheric Environment, 2015, 103, 1-6.	4.1	8
17	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot from a diesel engine at a particular running condition. Environmental Science and Pollution Research, 2015, 22, 4863-4872.	5.3	12
18	Atmospheric degradation of saturated alcohols: Room temperature rate coefficients for NO 3 radical reactions. Atmospheric Environment, 2014, 96, 229-235.	4.1	7

#	Article	IF	Citations
19	Estimation of gas-phase rate coefficients for the reactions of a series of Î±,Î²-unsaturated esters with OH, NO3, O3 and Cl. Atmospheric Environment, 2014, 90, 133-145.	4.1	9
20	FTIR gas-phase kinetic study on the reactions of some acrylate esters with OH radicals and Cl atoms. Environmental Science and Pollution Research, 2014, 21, 11541-11551.	5.3	3
21	Atmospheric reactions between E,E-2,4-hexadienal and OH, NO3 radicals and Cl atoms. Atmospheric Environment, 2014, 99, 159-167.	4.1	6
22	Reactivity of E-butenedial with the major atmospheric oxidants. Atmospheric Environment, 2013, 70, 351-360.	4.1	10
23	Kinetic Study of the Gas Phase Reactions of a Series of Alcohols with the NO₃ Radical. Journal of Physical Chemistry A, 2012, 116, 10383-10389.	2.5	8
24	Atmospheric fate of a series of furanaldehydes by their NO3 reactions. Atmospheric Environment, 2012, 54, 177-184.	4.1	22
25	Atmospheric degradation of 3-methylfuran: kinetic and products study. Atmospheric Chemistry and Physics, 2011, 11, 3227-3241.	4.9	32
26	Night-time atmospheric chemistry of methacrylates. Environmental Science and Pollution Research, 2011, 18, 940-948.	5.3	13
27	Kinetics of the reactions of OH radicals with 2â€methoxyâ€6â€(trifluoromethyl)pyridine, diethylamine, and 1,1,3,3,3â€pentamethyldisiloxanâ€1â€ol at 298 Â± 2 K. International Journal of Chemical Kinetics, 2011, 43, 631-638.	1.6	9
28	Gas phase reactions of unsaturated esters with Cl atoms. Environmental Science and Pollution Research, 2010, 17, 539-546.	5.3	30
29	Ozone and Nitrogen Dioxide Levels Monitored in an Urban Area (Ciudad Real) in central-southern Spain. Water, Air, and Soil Pollution, 2010, 208, 305-316.	2.4	29
30	Reactivity of 2-ethyl-1-hexanol in the atmosphere. Physical Chemistry Chemical Physics, 2010, 12, 3294.	2.8	8
31	Atmospheric degradation of alkylfurans with chlorine atoms: Product and mechanistic study. Atmospheric Environment, 2009, 43, 2804-2813.	4.1	28
32	Kinetic study of 2â€furanaldehyde, 3â€furanaldehyde, and 5â€methylâ€2â€furanaldehyde reactions initiated by Cl atoms. International Journal of Chemical Kinetics, 2008, 40, 670-678.	1.6	16
33	Infrared absorption cross-sections for peroxyacyl nitrates (nPANs). Chemical Physics Letters, 2008, 465, 207-211.	2.6	13
34	Night-Time Atmospheric Fate of Acrolein and Crotonaldehyde. Environmental Science & Technology, 2008, 42, 2394-2400.	10.0	24
35	Primary product distribution from the Cl-atom initiated atmospheric degradation of furan: Environmental implications. Atmospheric Environment, 2007, 41, 8796-8810.	4.1	34
36	Reaction of the NO3 radical with some thiophenes: Kinetic study and a correlation between rate constant and EHOMO. International Journal of Chemical Kinetics, 2006, 38, 570-576.	1.6	9

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37	Study of reaction processes of furan and some furan derivatives initiated by Cl atoms. Atmospheric Environment, 2005, 39, 1935-1944.	4.1	52
38	Products and Mechanism of the NO3 Reaction with Thiophene. Journal of Atmospheric Chemistry, 2005, 51, 317-335.	3.2	14
39	Oxidation of Heterocycles in the Atmosphere:â€‰ Kinetic Study of Their Reactions with NO3 Radical. Journal of Physical Chemistry A, 2004, 108, 10818-10823.	2.5	33
40	Kinetic study of the gas-phase reaction of the nitrate radical with methyl-substituted thiophenes. International Journal of Chemical Kinetics, 2003, 35, 286-293.	1.6	3
41	Gas-phase rate coefficients and activation energies for the reaction of NO3radicals with selected branched aliphatic aldehydes. Physical Chemistry Chemical Physics, 2003, 5, 112-116.	2.8	8
42	Atmospheric Gas-Phase Reactions of Selected Phosphorus-Containing Compounds. Journal of Physical Chemistry A, 2002, 106, 1542-1550.	2.5	28
43	Formation and Atmospheric Reactions of 4,5-Dihydro-2-methylfuran. Journal of Physical Chemistry A, 2002, 106, 11492-11501.	2.5	56
44	A PLPâ€“LIF kinetic study of the atmospheric reactivity of a series of C4â€“C7 saturated and unsaturated aliphatic aldehydes with OH. Atmospheric Environment, 2002, 36, 3231-3239.	4.1	57
45	A kinetic study of gas-phase reaction of thiophene with NO3 by using absolute and relative methods. Chemical Physics Letters, 2002, 358, 401-406.	2.6	10
46	Night-time Atmospheric Loss Process for Unsaturated Aldehydes:â€‰ Reaction with NO3 Radicals. Journal of Physical Chemistry A, 2001, 105, 4440-4445.	2.5	36
47	Kinetic and Product Studies of the Reactions of Selected Glycol Ethers with OH Radicals. Environmental Science & Technology, 2001, 35, 4080-4088.	10.0	32
48	Title is missing!. Journal of Atmospheric Chemistry, 2001, 40, 23-39.	3.2	24
49	Title is missing!. Journal of Atmospheric Chemistry, 1999, 33, 265-282.	3.2	35
50	Study on the NO3 Radical Reactivity:â€‰ Reactions with Cyclic Alkenes. Journal of Physical Chemistry A, 1999, 103, 5321-5327.	2.5	19
51	Kinetics of the Reactions of NO3Radical with Selected Monoterpenes:Â A Temperature Dependence Study. Environmental Science & Technology, 1998, 32, 3730-3734.	10.0	26
52	A temperature dependence study of the gas-phase reaction of the nitrate radical with 3-fluoropropene followed by laser induced fluorescence detection. International Journal of Chemical Kinetics, 1997, 29, 927-932.	1.6	9
53	Kinetic study of the reactions of NO3with 3-chloropropene, 3-bromopropene and 3-iodopropene using LIF detection. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4385-4389.	1.7	21