

# Florentina Villanueva

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

751  
citations

516681

16  
h-index

552766

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formaldehyde, acrolein and other carbonyls in dwellings of university students. Levels and source characterization. <i>Chemosphere</i> , 2022, 288, 132429.	8.2	7
2	Investigation of PAHs, nitrated PAHs and oxygenated PAHs in PM10 urban aerosols. A comprehensive data analysis. <i>Chemosphere</i> , 2022, 294, 133745.	8.2	30
3	Advanced instrumental approaches for chemical characterization of indoor particulate matter. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 705-745.	6.7	13
4	Sampling and analysis techniques for inorganic air pollutants in indoor air. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 531-579.	6.7	20
5	Particulate matter indoors: a strategy to sample and monitor size-selective fractions. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 675-704.	6.7	10
6	An overview of methodologies for the determination of volatile organic compounds in indoor air. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 625-674.	6.7	7
7	Good and bad get together: Inactivation of SARS-CoV-2 in particulate matter pollution from different fuels. <i>Science of the Total Environment</i> , 2022, 844, 157241.	8.0	6
8	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. <i>Environmental Research</i> , 2021, 197, 111092.	7.5	42
9	Investigation of formaldehyde and other carbonyls in a small urban atmosphere using passive samplers. A comprehensive data analysis. <i>Microchemical Journal</i> , 2021, 167, 106270.	4.5	16
10	Atmospheric degradation of 3-ethoxy-1-propanol by reactions with Cl, OH and NO3. <i>Chemosphere</i> , 2021, 281, 130755.	8.2	4
11	Evaluation of the SOA Formation in the Reaction of Furfural with Atmospheric Oxidants. <i>Atmosphere</i> , 2020, 11, 927.	2.3	4
12	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. <i>Atmospheric Environment</i> , 2018, 177, 214-221.	4.1	20
13	Indoor and outdoor air concentrations of volatile organic compounds and NO2 in schools of urban, industrial and rural areas in Central-Southern Spain. <i>Science of the Total Environment</i> , 2018, 622-623, 222-235.	8.0	74
14	Application of gas chromatography coupled with tandem mass spectrometry for the assessment of PAH levels in non industrial indoor air. <i>Microchemical Journal</i> , 2018, 142, 117-125.	4.5	12
15	Ambient levels of volatile organic compounds and criteria pollutants in the most industrialized area of central Iberian Peninsula: intercomparison with an urban site. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1143-1154.	1.0	8
16	Aldehyde Measurements in Indoor and Outdoor Environments in Central-Southern Spain. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18814-18823.	5.3	10
17	Levels and sources of volatile organic compounds including carbonyls in indoor air of homes of Puertollano, the most industrialized city in central Iberian Peninsula. Estimation of health risk. <i>International Journal of Hygiene and Environmental Health</i> , 2015, 218, 522-534.	4.3	45
18	Characterization of particulate polycyclic aromatic hydrocarbons in an urban atmosphere of central-southern Spain. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18814-18823.	5.3	10

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19	Ambient levels and temporal trends of VOCs, including carbonyl compounds, and ozone at Cabañeros National Park border, Spain. <i>Atmospheric Environment</i> , 2014, 85, 256-265.	4.1	44
20	Field evaluation of the Analyst <sup>®</sup> passive sampler for the determination of formaldehyde and acetaldehyde in indoor and outdoor ambient air. <i>Analytical Methods</i> , 2013, 5, 516-524.	2.7	16
21	Reactivity of E-butenedial with the major atmospheric oxidants. <i>Atmospheric Environment</i> , 2013, 70, 351-360.	4.1	10
22	A preliminary study on ambient levels of carbonyls, benzene, toluene and xylene in the south-west of the Iberian Peninsula (Huelva coast), Spain. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 289-299.	2.2	16
23	Preliminary characterization of polycyclic aromatic hydrocarbons, nitrated polycyclic aromatic hydrocarbons and polychlorinated dibenzo-p-dioxins and furans in atmospheric PM10 of an urban and a remote area of Chile. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 809-820.	2.2	16
24	Application of cluster analysis to surface ozone, NO <sub>2</sub> and SO <sub>2</sub> daily patterns in an industrial area in Central-Southern Spain measured with a DOAS system. <i>Science of the Total Environment</i> , 2012, 429, 281-291.	8.0	49
25	Atmospheric degradation of 3-methylfuran: kinetic and products study. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3227-3241.	4.9	32
26	Ozone and Nitrogen Dioxide Levels Monitored in an Urban Area (Ciudad Real) in central-southern Spain. <i>Water, Air, and Soil Pollution</i> , 2010, 208, 305-316.	2.4	29
27	Atmospheric degradation of alkylfurans with chlorine atoms: Product and mechanistic study. <i>Atmospheric Environment</i> , 2009, 43, 2804-2813.	4.1	28
28	Kinetic study of 2-ethylfuranaldehyde, 3-ethylfuranaldehyde, and 5-methyl-2-ethylfuranaldehyde reactions initiated by Cl atoms. <i>International Journal of Chemical Kinetics</i> , 2008, 40, 670-678.	1.6	16
29	Infrared absorption cross-sections for peroxyacyl nitrates (nPANs). <i>Chemical Physics Letters</i> , 2008, 465, 207-211.	2.6	13
30	Night-Time Atmospheric Fate of Acrolein and Crotonaldehyde. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2394-2400.	10.0	24
31	Night-time tropospheric chemistry of the unsaturated alcohols (Z)-pent-2-en-1-ol and pent-1-en-3-ol: Kinetic studies of reactions of NO <sub>3</sub> and N <sub>2</sub> O <sub>5</sub> with stress-induced plant emissions. <i>Atmospheric Environment</i> , 2007, 41, 1652-1662.	4.1	19
32	Primary product distribution from the Cl-atom initiated atmospheric degradation of furan: Environmental implications. <i>Atmospheric Environment</i> , 2007, 41, 8796-8810.	4.1	34
33	Reaction of the NO <sub>3</sub> radical with some thiophenes: Kinetic study and a correlation between rate constant and EHOMO. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 570-576.	1.6	9
34	Study of reaction processes of furan and some furan derivatives initiated by Cl atoms. <i>Atmospheric Environment</i> , 2005, 39, 1935-1944.	4.1	52
35	Products and Mechanism of the NO <sub>3</sub> Reaction with Thiophene. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 317-335.	3.2	14
36	Monitoring Studies of Urban Air Quality in Central-Southern Spain Using Different Techniques. , 0, , .		0