

Regina M B O Duarte

List of Publications by Year in descending order

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57
papers

1,760
citations

279798

23
h-index

289244

40
g-index

59
all docs

59
docs citations

59
times ranked

1851
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced instrumental approaches for chemical characterization of indoor particulate matter. Applied Spectroscopy Reviews, 2022, 57, 705-745.	6.7	13
2	Particulate matter indoors: a strategy to sample and monitor size-selective fractions. Applied Spectroscopy Reviews, 2022, 57, 675-704.	6.7	10
3	Assessing reactive oxygen and nitrogen species in atmospheric and aquatic environments: Analytical challenges and opportunities. TrAC - Trends in Analytical Chemistry, 2021, 135, 116149.	11.4	6
4	Multidimensional Analytical Characterization of Water-Soluble Organic Aerosols: Challenges and New Perspectives. Applied Sciences (Switzerland), 2021, 11, 2539.	2.5	14
5	Deposition of Aerosols onto Upper Ocean and Their Impacts on Marine Biota. Atmosphere, 2021, 12, 684.	2.3	14
6	On the Water-Soluble Organic Matter in Inhalable Air Particles: Why Should Outdoor Experience Motivate Indoor Studies?. Applied Sciences (Switzerland), 2021, 11, 9917.	2.5	4
7	Structural Features and Pro-Inflammatory Effects of Water-Soluble Organic Matter in Inhalable Fine Urban Air Particles. Environmental Science & Technology, 2020, 54, 1082-1091.	10.0	18
8	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. Water (Switzerland), 2020, 12, 3059.	2.7	7
9	Urban Atmospheric Aerosols: Sources, Analysis, and Effects. Atmosphere, 2020, 11, 1221.	2.3	4
10	Multidimensional analytical techniques in environmental research: Evolution of concepts. , 2020, , 1-26.		3
11	Multidimensional liquid chromatography and capillary electrophoresis coupled to high-resolution detectors applied to complex environmental samples. , 2020, , 169-208.		0
12	Exploring water-soluble organic aerosols structures in urban atmosphere using advanced solid-state ¹³ C NMR spectroscopy. Atmospheric Environment, 2020, 230, 117503.	4.1	12
13	Comparative study of atmospheric water-soluble organic aerosols composition in contrasting suburban environments in the Iberian Peninsula Coast. Science of the Total Environment, 2019, 648, 430-441.	8.0	23
14	Comprehensive multidimensional liquid chromatography for advancing environmental and natural products research. TrAC - Trends in Analytical Chemistry, 2019, 116, 186-197.	11.4	29
15	Effect of Soil Organic Matter, Soil pH, and Moisture Content on Solubility and Dissolution Rate of CuO NPs in Soil. Environmental Science & Technology, 2019, 53, 4959-4967.	10.0	90
16	Organic Pollutants in Soils. , 2018, , 103-126.		14
17	Structural signatures of water-soluble organic aerosols in contrasting environments in South America and Western Europe. Environmental Pollution, 2017, 227, 513-525.	7.5	32
18	NMR Studies of Organic Aerosols. Annual Reports on NMR Spectroscopy, 2017, 92, 83-135.	1.5	10

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19	Persistence of urban organic aerosols composition: Decoding their structural complexity and seasonal variability. <i>Environmental Pollution</i> , 2017, 231, 281-290.	7.5	26
20	Tracing of aerosol sources in an urban environment using chemical, Sr isotope, and mineralogical characterization. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11006-11016.	5.3	10
21	Geochemistry Soil, Organic Components $\hat{\tau}$. , 2017, , .		0
22	Two chemically distinct light-absorbing pools of urban organic aerosols: A comprehensive multidimensional analysis of trends. <i>Chemosphere</i> , 2016, 145, 215-223.	8.2	18
23	Challenges in the identification and characterization of free amino acids and proteinaceous compounds in atmospheric aerosols: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 97-107.	11.4	49
24	Investigating the water-soluble organic functionality of urban aerosols using two-dimensional correlation of solid-state ^{13}C NMR and FTIR spectral data. <i>Atmospheric Environment</i> , 2015, 116, 245-252.	4.1	38
25	Profiling Water-Soluble Organic Matter from Urban Aerosols Using Comprehensive Two-Dimensional Liquid Chromatography. <i>Aerosol Science and Technology</i> , 2015, 49, 381-389.	3.1	17
26	Unraveling the structural features of organic aerosols by NMR spectroscopy: a review. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 658-666.	1.9	19
27	^1H NMR studies of water- and alkaline-soluble organic matter from fine urban atmospheric aerosols. <i>Atmospheric Environment</i> , 2015, 119, 374-380.	4.1	38
28	Catalog of total excitation-emission and total synchronous fluorescence maps with synchronous fluorescence spectra of homologated fluorescent pesticides in large use in Morocco: development of a spectrometric low cost and direct analysis as an alert method in case of massive contamination of soils and waters by fluorescent pesticides. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6766-6777.	5.3	7
29	Natural organic matter in urban aerosols: Comparison between water and alkaline soluble components using excitation-emission matrix fluorescence spectroscopy and multiway data analysis. <i>Atmospheric Environment</i> , 2015, 102, 1-10.	4.1	75
30	Chromatography Coupled to Various Detectors as a Tool for Separation and Determination of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014, 65, 219-252.	1.3	4
31	A simple approach to reduce dimensionality from comprehensive two-dimensional liquid chromatography coupled with a multichannel detector. <i>Analytica Chimica Acta</i> , 2013, 804, 296-303.	5.4	10
32	Determination of anionic surface active agents using silica coated magnetite nanoparticles modified with cationic surfactant aggregates. <i>Journal of Chromatography A</i> , 2013, 1299, 25-32.	3.7	26
33	Chromatographic response functions in 1D and 2D chromatography as tools for assessing chemical complexity. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 14-23.	11.4	17
34	Humic acids as proxies for assessing different Mediterranean forest soils signatures using solid-state CPMAS ^{13}C NMR spectroscopy. <i>Chemosphere</i> , 2013, 91, 1556-1565.	8.2	16
35	A generalization of a chromatographic response function for application in non-target one- and two-dimensional chromatography of complex samples. <i>Journal of Chromatography A</i> , 2012, 1263, 141-150.	3.7	9
36	Resolving the chemical heterogeneity of natural organic matter: New insights from comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1249, 138-146.	3.7	23

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37	Trends in data processing of comprehensive two-dimensional chromatography: State of the art. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 910, 31-45.	2.3	55
38	Immobilization strategies and analytical applications for metallic and metal-oxide nanomaterials on surfaces. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 90-105.	11.4	64
39	A new chromatographic response function for assessing the separation quality in comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1225, 121-131.	3.7	17
40	Considerations on the application of miniaturized sample preparation approaches for the analysis of organic compounds in environmental matrices. <i>Open Chemistry</i> , 2012, 10, 433-449.	1.9	11
41	A critical review of advanced analytical techniques for water-soluble organic matter from atmospheric aerosols. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1659-1671.	11.4	53
42	Optimizing size-exclusion chromatographic conditions using a composite objective function and chemometric tools: Application to natural organic matter profiling. <i>Analytica Chimica Acta</i> , 2011, 688, 90-98.	5.4	18
43	A new chromatographic response function for use in size-exclusion chromatography optimization strategies: Application to complex organic mixtures. <i>Journal of Chromatography A</i> , 2010, 1217, 7556-7563.	3.7	24
44	Absorption and fluorescence properties of rainwater during the cold season at a town in Western Portugal. <i>Journal of Atmospheric Chemistry</i> , 2009, 62, 45-57.	3.2	33
45	Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , 2009, 74, 1053-1061.	8.2	67
46	Thermogravimetric characteristics of water-soluble organic matter from atmospheric aerosols collected in a rural coastal area. <i>Atmospheric Environment</i> , 2008, 42, 6670-6678.	4.1	5
47	Carbonaceous materials in size-segregated atmospheric aerosols from urban and coastal-rural areas at the Western European Coast. <i>Atmospheric Research</i> , 2008, 90, 253-263.	4.1	34
48	Two-Dimensional NMR Studies of Water-Soluble Organic Matter in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2008, 42, 8224-8230.	10.0	61
49	Comparison of structural features of water-soluble organic matter from atmospheric aerosols with those of aquatic humic substances. <i>Atmospheric Environment</i> , 2007, 41, 8100-8113.	4.1	163
50	The Assembling and Application of an Automated Segmented Flow Analyzer for the Determination of Dissolved Organic Carbon Based on UV-Persulphate Oxidation. <i>Analytical Letters</i> , 2006, 39, 1979-1992.	1.8	17
51	Spectroscopic study of the water-soluble organic matter isolated from atmospheric aerosols collected under different atmospheric conditions. <i>Analytica Chimica Acta</i> , 2005, 530, 7-14.	5.4	165
52	Application of Non-Ionic Solid Sorbents (XAD Resins) for the Isolation and Fractionation of Water-Soluble Organic Compounds from Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 79-93.	3.2	65
53	Synchronous Scan and Excitation-Emission Matrix Fluorescence Spectroscopy of Water-Soluble Organic Compounds in Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , 2004, 48, 157-171.	3.2	59
54	Spectroscopic characteristics of ultrafiltration fractions of fulvic and humic acids isolated from an eucalyptus bleached Kraft pulp mill effluent. <i>Water Research</i> , 2003, 37, 4073-4080.	11.3	78

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55	Fluorescence as a Tool for Tracing the Organic Contamination from Pulp Mill Effluents in Surface Waters. <i>Clean - Soil, Air, Water</i> , 2001, 28, 364-371.	0.6	27
56	Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes. <i>Analytica Chimica Acta</i> , 2001, 442, 155-164.	5.4	17
57	Structural Characterisation of the Coloured Organic Matter from an Eucalyptus Bleached Kraft Pulp Mill Effluent. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 333-342.	3.3	18