Daniel Sanchez-Rodas

List of Publications by Year
in descending order

61	2,195	218381	233125
papers	citations	26 h-index	45 g-index

61	61	61	2356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic Fluorescence Spectrometry: a suitable detection technique in speciation studies for arsenic, selenium, antimony and mercury. Journal of Analytical Atomic Spectrometry, 2010, 25, 933.	1.6	223
2	A comparison between ICP-MS and AFS detection for arsenic speciation in environmental samples. Talanta, 2000, 51, 257-268.	2.9	185
3	Metal readsorption and redistribution during the analytical fractionation of trace elements in oxic estuarine sediments. Analytica Chimica Acta, 1999, 399, 295-307.	2.6	116
4	Characterisation of sequential leachate discharges of mining waste rock dumps in the Tinto and Odiel rivers. Journal of Environmental Management, 2002, 64, 345-353.	3.8	92
5	Arsenic speciation of atmospheric particulate matter (PM10) in an industrialised urban site in southwestern Spain. Chemosphere, 2007, 66, 1485-1493.	4.2	91
6	Comparison of biota sample pretreatments for arsenic speciation with coupled HPLC-HG-ICP-MS. Analyst, The, 2000, 125, 401-407.	1.7	80
7	Arsenic speciation in river and estuarine waters from southwest Spain. Science of the Total Environment, 2005, 345, 207-217.	3.9	79
8	Evaluation of atomic fluorescence spectrometry as a sensitive detection technique for arsenic speciation. , 1998, 12, 439-447.		71
9	Sample treatment in chromatography-based speciation of organometallic pollutants. Journal of Chromatography A, 2001, 938, 211-224.	1.8	70
10	Arsenic speciation study of PM2.5 in an urban area near a copper smelter. Atmospheric Environment, 2008, 42, 6487-6495.	1.9	66
11	Hazardous trace elements in thoracic fraction of airborne particulate matter: Assessment of temporal variations, sources, and health risks in a megacity. Science of the Total Environment, 2020, 710, 136344.	3.9	55
12	Determination of an arsenosugar in oyster extracts by liquid chromatography-electrospray mass spectrometry and liquid chromatography-ultraviolet photo-oxidation-hydride generation atomic fluorescence spectrometry. Analyst, The, 2002, 127, 60-65.	1.7	52
13	Extraction procedures for chemical speciation of arsenic in atmospheric total suspended particles. Analytical and Bioanalytical Chemistry, 2005, 382, 335-340.	1.9	52
14	Evaluation of heavy metals and arsenic speciation discharged by the industrial activity on the Tinto-Odiel estuary, SW Spain. Marine Pollution Bulletin, 2011, 62, 405-411.	2.3	50
15	Selective extraction of iron oxide associated arsenic species from sediments for speciation with coupled HPLC-HG-AAS. Journal of Analytical Atomic Spectrometry, 1998, 13, 1375-1379.	1.6	41
16	Column-switching system for selenium speciation by coupling reversed-phase and ion-exchange high-performance liquid chromatography with microwave-assisted digestionâ€“hydride generationâ€“atomic fluorescence spectrometry. Journal of Chromatography A, 2000, 889, 33-39.	1.8	40
17	Organotin contamination in the Atlantic Ocean off the Iberian Peninsula in relation to shipping. Chemosphere, 2006, 64, 1100-1108.	4.2	39
18	Geochemical anomalies of toxic elements and arsenic speciation in airborne particles from Cu mining and smelting activities: Influence on air quality. Journal of Hazardous Materials, 2015, 291, 18-27.	6.5	39

#	Article	IF	Citations
19	Antimony speciation as geochemical tracer for anthropogenic emissions of atmospheric particulate matter. Journal of Hazardous Materials, 2017, 324, 213-220.	6.5	36
20	Speciation of antimony in airborne particulate matter using ultrasound probe fast extraction and analysis by HPLC-HG-AFS. Analytica Chimica Acta, 2009, 649, 191-195.	2.6	35
21	A simplified method for inorganic selenium and selenoaminoacids speciation based on HPLCâ€“TRâ€“HGâ€“AFS. Talanta, 2013, 106, 298-304.	2.9	35
22	Diel cycles of arsenic speciation due to photooxidation in acid mine drainage from the Iberian Pyrite Belt (Sw Spain). Chemosphere, 2007, 66, 677-683.	4.2	34
23	Analytical approaches for arsenic determination in air: A critical review. Analytica Chimica Acta, 2015, 898, 1-18.	2.6	34
24	New preservation method for inorganic arsenic speciation in acid mine drainage samples. Talanta, 2006, 69, 1182-1189.	2.9	33
25	Dissolved and particulate metals and arsenic species mobility along a stream affected by Acid Mine Drainage in the Iberian Pyrite Belt (SW Spain). Applied Geochemistry, 2012, 27, 1944-1952.	1.4	32
26	Development of a rapid extraction procedure for speciation of arsenic in chicken meat. Analytical and Bioanalytical Chemistry, 2006, 385, 1172-1177.	1.9	31
27	Arsenic species in atmospheric particulate matter as tracer of the air quality of DoÃ±ana Natural Park (SW Spain). Chemosphere, 2015, 119, 1296-1303.	4.2	30
28	Health implications of the distribution of arsenic species in airborne particulate matter. Journal of Inorganic Biochemistry, 2012, 108, 112-114.	1.5	25
29	Analytical approach for routine methylmercury determination in seafood using gas chromatography-atomic fluorescence spectrometry. Analytica Chimica Acta, 2004, 511, 165-173.	2.6	24
30	Pretreatment procedure for selenium speciation in shellfish using high-performance liquid chromatography-microwave-assisted digestion-hydride generation-atomic fluorescence spectrometry. Applied Organometallic Chemistry, 2002, 16, 265-270.	1.7	23
31	Preservation procedures for arsenic speciation in a stream affected by acid mine drainage in southwestern Spain. Analytical and Bioanalytical Chemistry, 2006, 384, 1594-1599.	1.9	22
32	Inorganic and organic selenium compound speciation with coupled HPLC-MW-HG-AFS. , 1999, 13, 783-787.		21
33	Arsenic accumulation and speciation in strawberry plants exposed to inorganic arsenic enriched irrigation. Food Chemistry, 2020, 315, 126215.	4.2	21
34	As3MT and GST Polymorphisms Influencing Arsenic Metabolism in Human Exposure to Drinking Groundwater. International Journal of Molecular Sciences, 2020, 21, 4832.	1.8	20
35	Air quality trends in an industrialised area of SW Spain. Journal of Cleaner Production, 2018, 186, 465-474.	4.6	19
36	Arsenic exposure, profiles of urinary arsenic species, and polymorphism effects of glutathione-s-transferase and metallothioneins. Chemosphere, 2018, 212, 927-936.	4.2	19

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37	Microwave extraction as an alternative to ultrasound probe for antimony speciation in airborne particulate matter. Microchemical Journal, 2016, 124, 256-260.	2.3	18
38	Seasonal variations in the formation of Al and Si rich Fe-stromatolites in the highly polluted acid mine drainage of Agua Agria Creek (Tharsis, SW Spain). Chemical Geology, 2011, 284, 97-104.	1.4	17
39	Contribution of anthropogenic and natural sources in PM10 during North African dust events in Southern Europe. Environmental Pollution, 2021, 290, 118065.	3.7	17
40	Relationships between pH, colour and heavy metal concentrations in the Tinto and Odiel rivers (southwest Spain). Hydrology Research, 2010, 41, 406-413.	1.1	16
41	Speciation analysis of Se-enriched strawberries (Fragaria ananassa Duch) cultivated on hydroponics by HPLC-TR-HG-AFS. Microchemical Journal, 2016, 127, 120-124.	2.3	15
42	Arsenic Speciation in Biological Samples Using the Couplings HPLC-UV-HG-AAS and HPLC-UV-HG-AFS. International Journal of Environmental Analytical Chemistry, 1999, 74, 203-213.	1.8	14
43	Geochemical anomalies of household dust in an industrialized city (Huelva, SW Spain). Science of the Total Environment, 2017, 587-588, 473-481.	3.9	13
44	Coupling Pervaporation-Gas Chromatography for Speciation of Volatile Forms of Selenium in Sediments. International Journal of Environmental Analytical Chemistry, 2000, 78, 427-440.	1.8	12
45	Arsenic and antimony speciation analysis in copper electrolyte by liquid chromatography coupled to hydride generation atomic fluorescence spectrometry (HPLC-HG-AFS). Analytical Methods, 2020, 12, 1943-1948.	1.3	12
46	2009â€“2017 trends of PM10 in the legendary Riotinto mining district of SW Spain. Atmospheric Research, 2020, 238, 104878.	1.8	12
47	Determination of methyltin species in sediments using a pervaporation-gas chromatographic approach. Applied Organometallic Chemistry, 2002, 16, 210-215.	1.7	11
48	Determination of selenomethionine and seleno-methyl-selenocysteine in biota by ultrasonic-assisted enzymatic digestion and multi-shot stir bar sorptive extractionâ€“thermal desorptionâ€“gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2013, 1300, 151-158.	1.8	11
49	Stratification of Metal and Sulphate Loads in Acid Mine Drainage Receiving Water Dams â€“ Variables Regionalization by Cluster Analysis. Water Environment Research, 2015, 87, 626-634.	1.3	11
50	The geochemical evolution of brines from phosphogypsum deposits in Huelva (SW Spain) and its environmental implications. Science of the Total Environment, 2020, 700, 134444.	3.9	11
51	Source contribution and origin of PM10 and arsenic in a complex industrial region (Huelva, SW Spain). Environmental Pollution, 2021, 274, 116268.	3.7	11
52	Optimization of a Sequential Extraction Scheme for the Characterization of Heavy Metal Mobility in Iron Oxide Rich Sediments. International Journal of Environmental Analytical Chemistry, 1999, 75, 3-18.	1.8	10
53	Removal of Sb Impurities in Copper Electrolyte and Evaluation of as and Fe Species in an Electrorefining Plant. Metals, 2021, 11, 902.	1.0	10
54	Characterization of biomass burning from olive grove areas: A major source of organic aerosol in PM 10 of Southwest Europe. Atmospheric Research, 2018, 199, 1-13.	1.8	9

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55	Physicochemical assessment of atmospheric particulate matter emissions during open-pit mining operations in a massive sulphide ore exploitation. Atmospheric Pollution Research, 2022, 13, 101391.	1.8	8
56	Applying statistical tools systematically to determine industrial emission levels associated with the best available techniques. Journal of Cleaner Production, 2016, 112, 4226-4236.	4.6	6
57	Impact of the SARS-CoV-2 lockdown measures in Southern Spain on PM10 trace element and gaseous pollutant concentrations. Chemosphere, 2022, 303, 134853.	4.2	6
58	Spatial distribution of major and trace elements in a mining dam: sources and relationships among elements of environmental concern. Environmental Earth Sciences, 2016, 75, 1.	1.3	4
59	High-performance liquid chromatographic determination of primary amines in aqueous solutions after extraction and derivatization with 2,2-diphenyl-1-oxa-3-oxonia-2-boratanaphthalene (DOOB). Analytical and Bioanalytical Chemistry, 1996, 355, 187-189.	1.9	2
60	The Use of TransplantedVenerupis Decussatato Evaluate the Pollution of Heavy Metals and Tributyltin in Marinas. International Journal of Environmental Analytical Chemistry, 1999, 75, 107-120.	1.8	2
61	A Statistical Determination of the Transit Speed of Pollutants in a Water Reservoir Affected by Acid Mine Drainage from the Iberian Pyrite Belt. Mine Water and the Environment, 2017, 36, 34-38.	0.9	2