

Bruno Coulomb

List of Publications by Year in descending order

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63
papers

1,594
citations

257450

24
h-index

315739

38
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63
all docs

63
docs citations

63
times ranked

2123
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of dissolved nickel in natural waters using a rapid microplate fluorescence assay method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121170.	3.9	2
2	Sub-ppb mercury detection in real environmental samples with an improved rhodamine-based detection system. <i>Talanta</i> , 2021, 224, 121909.	5.5	9
3	Inorganic chloramines analysis in water. <i>Comprehensive Analytical Chemistry</i> , 2021, 92, 31-49.	1.3	2
4	Fast UHPLC-MS/MS for the Simultaneous Determination of Azithromycin, Erythromycin, Fluoxetine and Sotalol in Surface Water Samples. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8316.	2.5	4
5	Multisyringe Flow Injection Analysis of Tropomyosin Allergens in Shellfish Samples. <i>Molecules</i> , 2021, 26, 5809.	3.8	1
6	Soil organic carbon mobility in equatorial podzols: soil column experiments. <i>Soil</i> , 2021, 7, 585-594.	4.9	8
7	Development of an automated system for the analysis of inorganic chloramines in swimming pools via multi-syringe chromatography and photometric detection with ABTS. <i>Talanta</i> , 2020, 207, 120322.	5.5	8
8	Implication of phytometabolites on metal tolerance of the pseudo-metallophyte - <i>Rosmarinus officinalis</i> - in a Mediterranean brownfield. <i>Chemosphere</i> , 2020, 249, 126159.	8.2	9
9	Modified 3D-printed device for mercury determination in waters. <i>Analytica Chimica Acta</i> , 2019, 1082, 78-85.	5.4	17
10	Development of transient mutagenic activity following the chlorination of the sunscreen UV filter dioxybenzone (benzophenone-8) in bromide-rich water. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 663-669.	4.3	9
11	Development of a simple, low-cost and rapid thin-layer chromatography method for the determination of individual volatile fatty acids. <i>Analytical Methods</i> , 2019, 11, 1891-1897.	2.7	8
12	A highly-sensitive microplate fluorimetric method for the high-throughput determination of nitrate ion in aqueous compost extracts. <i>Microchemical Journal</i> , 2018, 138, 424-429.	4.5	6
13	3D-printed lab-on-valve for fluorescent determination of cadmium and lead in water. <i>Talanta</i> , 2018, 183, 201-208.	5.5	44
14	In situ complexation versus complex isolation in synthesis of ion imprinted polymers. <i>Reactive and Functional Polymers</i> , 2018, 122, 1-8.	4.1	6
15	Occurrence, origin, and toxicity of disinfection byproducts in chlorinated swimming pools: An overview. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 591-603.	4.3	105
16	Fast microplate assay for simultaneous determination of thiols and dissolved sulfides in wastewater. <i>Microchemical Journal</i> , 2017, 132, 205-210.	4.5	12
17	Occurrence of brominated disinfection byproducts in the air and water of chlorinated seawater swimming pools. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 583-590.	4.3	27
18	High throughput determination of ammonium and primary amine compounds in environmental and food samples. <i>Microchemical Journal</i> , 2017, 133, 216-221.	4.5	9

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19	3D-printed flow system for determination of lead in natural waters. <i>Talanta</i> , 2017, 168, 298-302.	5.5	42
20	Monitoring and factors affecting levels of airborne and water bromoform in chlorinated seawater swimming pools. <i>Journal of Environmental Sciences</i> , 2017, 58, 262-270.	6.1	13
21	Degradation of Organic UV filters in Chlorinated Seawater Swimming Pools: Transformation Pathways and Bromoform Formation. <i>Environmental Science & Technology</i> , 2017, 51, 13580-13591.	10.0	51
22	Assessing the genotoxicity of two commonly occurring byproducts of water disinfection: Chloral hydrate and bromal hydrate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 813, 37-44.	1.7	25
23	Nickel retention by an ion-imprinted polymer: Wide-range selectivity study and modelling of the binding structures. <i>Chemical Engineering Journal</i> , 2016, 304, 20-28.	12.7	11
24	Evaluation of an integrated constructed wetland to manage pig manure under Mediterranean climate. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16383-16395.	5.3	2
25	Identification of disinfection by-products in freshwater and seawater swimming pools and evaluation of genotoxicity. <i>Environment International</i> , 2016, 88, 94-102.	10.0	80
26	Aqueous-phase oligomerization of methyl vinyl ketone through photooxidation – Part 1: Aging processes of oligomers. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 21-35.	4.9	39
27	Biomonitoring of <i>Epilobium hirsutum</i> L. Health Status to Assess Water Ecotoxicity in Constructed Wetlands Treating Mixtures of Contaminants. <i>Water (Switzerland)</i> , 2015, 7, 697-715.	2.7	4
28	Proposal of a new ecotoxicity evaluation tool based on morphological responses of five helophytes to mixtures of pollutants: The Helophyte Development Index. <i>Ecological Engineering</i> , 2015, 77, 180-188.	3.6	4
29	$\hat{1}^2$ -Hydroxymyristic acid as a chemical marker to detect endotoxins in dialysis water. <i>Analytical Biochemistry</i> , 2015, 470, 71-77.	2.4	7
30	Degradation Products of Benzophenone-3 in Chlorinated Seawater Swimming Pools. <i>Environmental Science & Technology</i> , 2015, 49, 9308-9316.	10.0	54
31	Simple and ultrasensitive microplate method for spectrofluorimetric determination of trace resorcinol. <i>Microchemical Journal</i> , 2015, 122, 5-9.	4.5	5
32	Impact of organic pollutants on metal and As uptake by helophyte species and consequences for constructed wetlands design and management. <i>Water Research</i> , 2015, 68, 328-341.	11.3	9
33	Occurrence and fate of selected surfactants in seawater at the outfall of the Marseille urban sewerage system. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 1527-1538.	3.5	13
34	Selection of wild macrophytes for use in constructed wetlands for phytoremediation of contaminant mixtures. <i>Journal of Environmental Management</i> , 2015, 147, 108-123.	7.8	72
35	Aqueous Phase Oligomerization of Methyl Vinyl Ketone by Atmospheric Radical Reactions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29421-29430.	3.1	39
36	In situ biostimulation of petroleum hydrocarbon degradation by nitrate and phosphate injection using a dipole well configuration. <i>Journal of Contaminant Hydrology</i> , 2014, 171, 22-31.	3.3	20

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37	Light-induced nitrous acid (HONO) production from NO ₂ heterogeneous reactions on household chemicals. <i>Atmospheric Environment</i> , 2014, 95, 391-399.	4.1	57
38	As, Pb, Sb, and Zn transfer from soil to root of wild rosemary: do native symbionts matter?. <i>Plant and Soil</i> , 2014, 382, 219-236.	3.7	27
39	Development of a simple fluorescence-based microplate method for the high-throughput analysis of proline in wine samples. <i>Food Chemistry</i> , 2014, 150, 274-279.	8.2	14
40	Fate of carbamazepine and anthracene in soils watered with UV-LED treated wastewaters. <i>Water Research</i> , 2013, 47, 6574-6584.	11.3	34
41	Individual volatile fatty acids determination by chromogenic derivatization coupled to multi-syringe chromatography. <i>Talanta</i> , 2013, 115, 737-743.	5.5	6
42	Impact of watering with UV-LED-treated wastewater on microbial and physico-chemical parameters of soil. <i>Water Research</i> , 2013, 47, 1971-1982.	11.3	47
43	Transfer of metals and metalloids from soil to shoots in wild rosemary (<i>Rosmarinus officinalis</i> L.) growing on a former lead smelter site: Human exposure risk. <i>Science of the Total Environment</i> , 2013, 454-455, 219-229.	8.0	47
44	Development of a fluorescence-based microplate method for the determination of volatile fatty acids in anaerobically digested and sewage sludges. <i>Talanta</i> , 2012, 88, 230-236.	5.5	15
45	Exposure levels to brominated compounds in seawater swimming pools treated with chlorine. <i>Water Research</i> , 2012, 46, 828-836.	11.3	70
46	Biogeochemistry of an Amazonian podzol-ferralsol soil system with white kaolin. <i>Biogeosciences</i> , 2012, 9, 3705-3720.	3.3	25
47	Multivariate optimization of fecal bioindicator inactivation by coupling UV-A and UV-C LEDs. <i>Desalination</i> , 2012, 285, 219-225.	8.2	74
48	Effect of coupled UV-A and UV-C LEDs on both microbiological and chemical pollution of urban wastewaters. <i>Science of the Total Environment</i> , 2012, 426, 304-310.	8.0	117
49	On-line analysis of volatile fatty acids in anaerobic treatment processes. <i>Analytica Chimica Acta</i> , 2010, 668, 74-79.	5.4	27
50	Solid phase extraction " Multisyringe flow injection system for the spectrophotometric determination of selenium with 2,3-diaminonaphthalene. <i>Talanta</i> , 2010, 81, 572-577.	5.5	36
51	Synthesis and applications of XAD-4-DAN chelate resin for the separation and determination of Se(IV). <i>Reactive and Functional Polymers</i> , 2009, 69, 877-883.	4.1	22
52	Alternative Spectrofluorimetric Determination of Short-Chain Volatile Fatty Acids in Aqueous Samples. <i>Analytical Chemistry</i> , 2009, 81, 3063-3070.	6.5	14
53	Salicylic acid and derivatives anchored on poly(styrene-co-divinylbenzene) resin and membrane via a diazo bridge: Synthesis, characterisation and application to metal extraction. <i>Reactive and Functional Polymers</i> , 2008, 68, 775-786.	4.1	31
54	Experimental design approach for the solid-phase extraction of residual aluminium coagulants in treated waters. <i>Talanta</i> , 2007, 73, 237-245.	5.5	15

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55	Modification of poly(styrene-co-divinylbenzene) membrane by grafting of salicylic acid via a ketone bridge. <i>European Polymer Journal</i> , 2007, 43, 416-424.	5.4	9
56	An experimental design to optimize the flow extraction parameters for the selective removal of Fe(III) and Al(III) in aqueous samples using salicylic acid grafted on Amberlite XAD-4 and final determination by GF-AAS. <i>Journal of Hazardous Materials</i> , 2007, 147, 463-470.	12.4	17
57	On-line solid-phase extraction and multisyringe flow injection analysis of Al(III) and Fe(III) in drinking water. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1595-1602.	3.7	28
58	Comparative Study on Metal Extraction Properties of Empore SDBâ€œXC and Amberlite XADâ€œ4 Grafted by Salicylic Acid and its Derivatives via Different Bridges. <i>Separation Science and Technology</i> , 2006, 41, 1619-1633.	2.5	9
59	Colza (<i>Brassica napus</i> , v. Jaguar) Responses to Low Level of Metal Inputs Through Sewage Sludge Application: Induction of phytochelatin synthesis (10 pp). <i>Journal of Soils and Sediments</i> , 2006, 6, 221-230.	3.0	4
60	Rapid estimation of TOC in a marine urban sewage area by UV spectral deconvolution. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 1079-1093.	3.3	9
61	Fluorimetric determination of aluminium in water by sequential injection through column extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1652-1658.	3.7	24
62	Spectrofluorimetric determination of aluminum in drinking waters by sequential injection analysis. <i>Analytica Chimica Acta</i> , 2002, 457, 311-318.	5.4	38
63	Determination of Las in Wastewater Treatment Plants: Comparative Study Between Conventional Biodegradation Testing and an Alternative Photo-Oxidation Method. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 81, 55-72.	3.3	2