

# Bianca Ferreira-da Silva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

1,679  
citations

21  
h-index

39  
g-index

65  
ext. papers

1,988  
ext. citations

7.4  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
65	Assessment of per- and polyfluoroalkyl substances (PFAS) in the Indian River Lagoon and Atlantic coast of Brevard County, FL reveals distinct spatial clusters.. <i>Chemosphere</i> , <b>2022</b> , 134478	8.4	0
64	Automated method to determine pharmaceutical compounds in wastewater using on-line solid-phase extraction coupled to LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 5147-5160	4.4	0
63	On the performance of distinct electrochemical and solar-based advanced oxidation processes to mineralize the insecticide imidacloprid. <i>Chemosphere</i> , <b>2021</b> , 275, 130010	8.4	4
62	Evaluation of extraction workflows for quantitative analysis of per- and polyfluoroalkyl substances: A case study using soil adjacent to a landfill. <i>Science of the Total Environment</i> , <b>2021</b> , 760, 143944	10.2	9
61	Identification of organic contaminants in vinasse and in soil and groundwater from fertigated sugarcane crop areas using target and suspect screening strategies. <i>Science of the Total Environment</i> , <b>2021</b> , 761, 143237	10.2	7
60	From Waste Collection Vehicles to Landfills: Indication of Per- and Polyfluoroalkyl Substance (PFAS) Transformation. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 66-72	11	12
59	The last straw: Characterization of per- and polyfluoroalkyl substances in commercially-available plant-based drinking straws. <i>Chemosphere</i> , <b>2021</b> , 277, 130238	8.4	10
58	On-line solid-phase extraction of pharmaceutical compounds from wastewater treatment plant samples using restricted access media in column-switching liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2021</b> , 1180, 122896	3.2	0
57	Coupling Zero-Valent Iron and Fenton processes for degrading sulfamethazine, sulfathiazole, and norfloxacin. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105761	6.8	2
56	Per- and Polyfluoroalkyl Substances (PFAS) in Street Sweepings. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	3
55	Assessment of the compounds formed by oxidative reaction between p-toluenediamine and p-aminophenol in hair dyeing processes: Detection, mutagenic and toxicological properties. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148806	10.2	2
54	Comparison of UVC-based advanced oxidation processes in the mineralization of bisphenol A: Identification of oxidation by products and toxicity evaluation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 386, 123986	14.7	16
53	Assessment of p-aminophenol oxidation by simulating the process of hair dyeing and occurrence in hair salon wastewater and drinking water from treatment plant. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 122000	12.8	12
52	Biodegradation of the fungicide Pyraclostrobin by bacteria from orange cultivation plots. <i>Science of the Total Environment</i> , <b>2020</b> , 746, 140968	10.2	10
51	Comparing the electrochemical degradation of the fluoroquinolone antibiotics norfloxacin and ciprofloxacin using distinct electrolytes and a BDD anode: evolution of main oxidation byproducts and toxicity. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104433	6.8	7
50	Assessment of semi-permanent hair dyes in wash water from beauty salons by liquid chromatography-tandem mass spectrometry-selected reaction monitoring (LC-MS/MS-SRM). <i>Analytical Methods</i> , <b>2020</b> , 12, 5415-5423	3.2	1
49	Pressurized Liquid Extraction (PLE) and QuEChERS evaluation for the analysis of antibiotics in agricultural soils. <i>MethodsX</i> , <b>2020</b> , 7, 101171	1.9	1

48	A rapid and simple method to quantify per- and polyfluoroalkyl substances (PFAS) in plasma and serum using 96-well plates. <i>MethodsX</i> , <b>2020</b> , 7, 101111	1.9	7
47	Concentrating Per- and Polyfluoroalkyl Substances (PFAS) in Municipal Solid Waste Landfill Leachate Using Foam Separation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12550-12559	10.3	26
46	Comparison of Two Methods for Counting Molds in Fermentations Using the Production of Bikaverin by <i>Fusarium oxysporum</i> CCT7620 as a Model. <i>Current Microbiology</i> , <b>2020</b> , 77, 3671-3679	2.4	3
45	Assessment of the autoxidation mechanism of p-toluenediamine by air and hydrogen peroxide and determination of mutagenic environmental contaminant in beauty salon effluent. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 911-922	10.2	14
44	Which route to take for diclofenac removal from water: Hydroxylation or direct photolysis?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111879	4.7	7
43	Study of the in vitro metabolic profile of a new $\beta$ -adrenergic agonist in rat and human liver microsomes by using liquid chromatography-multiple-stage mass spectrometry and nuclear magnetic resonance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 172, 67-77	3.5	
42	Comparative study on the degradation of cephalexin by four electrochemical advanced oxidation processes: Evolution of oxidation intermediates and antimicrobial activity. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 1104-1112	14.7	24
41	Occurrence of PPCPs in a Brazilian water reservoir and their removal efficiency by ecological filtration. <i>Chemosphere</i> , <b>2019</b> , 226, 210-219	8.4	38
40	Visible light-driven photoelectrocatalytic degradation of acid yellow 17 using Sn <sub>3</sub> O <sub>4</sub> flower-like thin films supported on Ti substrate (Sn <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> /Ti). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 376, 196-205	4.7	20
39	Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 34-43	12.8	11
38	Insights into the microbial degradation pathways of the ioxynil octanoate herbicide. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 13, 258-264	4.2	1
37	On the performance of HOCl/Fe <sup>2+</sup> , HOCl/Fe <sup>2+</sup> /UVA, and HOCl/UVC processes using in situ electrogenerated active chlorine to mineralize the herbicide picloram. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 170-177	21.8	25
36	Identification of biotransformation products of disperse dyes with rat liver microsomes by LC-MS/MS and theoretical studies with DNA: Structure-mutagenicity relationship using <i>Salmonella</i> /microsome assay. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 1093-1103	10.2	11
35	Biotransformation of disperse dyes using nitroreductase immobilized on magnetic particles modified with tosyl group: Identification of products by LC-MS-MS and theoretical studies conducted with DNA. <i>Environmental Pollution</i> , <b>2018</b> , 242, 863-871	9.3	3
34	Evolution of the antibacterial activity and oxidation intermediates during the electrochemical degradation of norfloxacin in a flow cell with a PTFE-doped $\text{PbO}_2$ anode: Critical comparison to a BDD anode. <i>Electrochimica Acta</i> , <b>2018</b> , 284, 260-270	6.7	18
33	Influence of auxochrome group in disperse dyes bearing azo groups as chromophore center in the biotransformation and molecular docking prediction by reductase enzyme: Implications and assessment for environmental toxicity of xenobiotics. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 160, 114-126	7	17
32	Quantifying the contribution of dyes to the mutagenicity of waters under the influence of textile activities. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 230-236	10.2	55
31	Comparative electrochemical degradation of the herbicide tebuthiuron using a flow cell with a boron-doped diamond anode and identifying degradation intermediates. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 860-870	6.7	19

30	Electrochemical mineralization of cephalexin using a conductive diamond anode: A mechanistic and toxicity investigation. <i>Chemosphere</i> , <b>2017</b> , 168, 638-647	8.4	34
29	On the performance of a hybrid process to mineralize the herbicide tebuthiuron using a DSA $\square$ anode and UVC light: A mechanistic study. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 200, 237-245	21.8	34
28	Combination of photoelectrocatalysis and ozonation: A novel and powerful approach applied in Acid Yellow 1 mineralization. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 180, 161-168	21.8	48
27	Hydrogen production and simultaneous photoelectrocatalytic pollutant oxidation using a TiO <sub>2</sub> /WO <sub>3</sub> nanostructured photoanode under visible light irradiation. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 765, 188-196	4.1	27
26	A greener flow injection method based on a LWCC for the screening of tetracycline antibiotics in bovine milk samples. <i>Analytical Methods</i> , <b>2016</b> , 8, 5262-5271	3.2	12
25	Combining different assays and chemical analysis to characterize the genotoxicity of waters impacted by textile discharges. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 559-71	3.2	16
24	Voltammetric sensor based on magnetic particles modified composite electrode for determination of triamterene in biological sample. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 2491-2501	2.6	8
23	Quantification of ethyl carbamate in cacha $\square$ produced in different agro-industrial production systems. <i>Journal of the Institute of Brewing</i> , <b>2016</b> , 122, 299-303	2	6
22	Occurrence and risk assessment of an azo dye - The case of Disperse Red 1. <i>Chemosphere</i> , <b>2016</b> , 156, 95-100	8.4	35
21	Electrochemical mineralization of norfloxacin using distinct boron-doped diamond anodes in a filter-press reactor, with investigations of toxicity and oxidation by-products. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 856-864	6.7	52
20	Determination of ethyl carbamate in cacha $\square$ s produced by selected yeast and spontaneous fermentation. <i>Journal of the Institute of Brewing</i> , <b>2016</b> , 122, 63-68	2	9
19	Photoelectrocatalytic/photoelectro-Fenton coupling system using a nanostructured photoanode for the oxidation of a textile dye: Kinetics study and oxidation pathway. <i>Chemosphere</i> , <b>2015</b> , 136, 63-71	8.4	38
18	Non-targeted analyses of organic compounds in urban wastewater. <i>Magnetic Resonance in Chemistry</i> , <b>2015</b> , 53, 704-10	2.1	8
17	Using ionic liquid combined with HPLC-DAD to analyze semi-permanent hair dyes in commercial formulations. <i>Analytical Methods</i> , <b>2015</b> , 7, 1115-1122	3.2	6
16	Voltammetric sensor for simultaneous determination of p-phenylenediamine and resorcinol in permanent hair dyeing and tap water by composite carbon nanotubes/chitosan modified electrode. <i>Microchemical Journal</i> , <b>2014</b> , 116, 261-268	4.8	39
15	Zero-valent iron mediated degradation of ciprofloxacin - assessment of adsorption, operational parameters and degradation products. <i>Chemosphere</i> , <b>2014</b> , 117, 345-52	8.4	48
14	Design, synthesis and characterization of a hexapeptide bio-inspired by acetylcholinesterase and its interaction with pesticide dichlorvos. <i>Analyst, The</i> , <b>2014</b> , 139, 273-9	5	4
13	Enhanced photoabsorption properties of composites of Ti/TiO <sub>2</sub> nanotubes decorated by Sb <sub>2</sub> S <sub>3</sub> and improvement of degradation of hair dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 276, 96-103	4.7	38

12	A survey of emerging contaminants in the estuarine receiving environment around Auckland, New Zealand. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 202-10	10.2	88
11	Combined photoelectrocatalytic/electro-Fenton process using a Pt/TiO <sub>2</sub> NTs photoanode for enhanced degradation of an azo dye: A mechanistic study. <i>Journal of Electroanalytical Chemistry</i> , <b>2014</b> , 734, 43-52	4.1	19
10	Use of diffusion-ordered NMR spectroscopy and HPLC-UV-SPE-NMR to identify undeclared synthetic drugs in medicines illegally sold as phytotherapies. <i>Magnetic Resonance in Chemistry</i> , <b>2013</b> , 51, 541-8	2.1	9
9	Diclavatol and tetronic acids from <i>Penicillium griseoroseum</i> . <i>Natural Product Research</i> , <b>2013</b> , 27, 9-16	2.3	11
8	Oxidative potential of some endophytic fungi using 1-indanone as a substrate. <i>Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 22, 832-7	3.3	10
7	Occurrence and distribution of pharmaceuticals in surface water, suspended solids and sediments of the Ebro river basin, Spain. <i>Chemosphere</i> , <b>2011</b> , 85, 1331-9	8.4	273
6	Analytical chemistry of metallic nanoparticles in natural environments. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 528-540	14.6	137
5	The flavoprotein-catalyzed reduction of aliphatic nitro-compounds represents a biocatalytic equivalent to the Nef-reaction. <i>Green Chemistry</i> , <b>2010</b> , 12, 616	10	53
4	Production of a benzylated flavonoid from 5,7,3',4',5'-pentamethoxyflavanone by <i>Penicillium griseoroseum</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 67, 184-188		14
3	Chemo-promiscuity of alcohol dehydrogenases: reduction of phenylacetaldoxime to the alcohol. <i>Tetrahedron</i> , <b>2010</b> , 66, 3410-3414	2.4	17
2	One-way biohydrogen transfer for oxidation of sec-alcohols. <i>Organic Letters</i> , <b>2008</b> , 10, 2155-8	6.2	99
1	Stereoselective bioreduction of bulky-bulky ketones by a novel ADH from <i>Ralstonia</i> sp. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 6003-5	4.2	92