

# Vera Homem

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,911  
citations

279487

23  
h-index

189595

50  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation and removal methods of antibiotics from aqueous matrices – A review. <i>Journal of Environmental Management</i> , 2011, 92, 2304-2347.	3.8	1,137
2	Advances in analytical methods and occurrence of organic UV-filters in the environment – A review. <i>Science of the Total Environment</i> , 2015, 526, 278-311.	3.9	247
3	A review of organic UV-filters in wastewater treatment plants. <i>Environment International</i> , 2016, 86, 24-44.	4.8	219
4	Amoxicillin degradation at ppb levels by Fenton's oxidation using design of experiments. <i>Science of the Total Environment</i> , 2010, 408, 6272-6280.	3.9	113
5	Long lasting perfume – A review of synthetic musks in WWTPs. <i>Journal of Environmental Management</i> , 2015, 149, 168-192.	3.8	92
6	Microwave-assisted Fenton's oxidation of amoxicillin. <i>Chemical Engineering Journal</i> , 2013, 220, 35-44.	6.6	70
7	From the shop to the drain – Volatile methylsiloxanes in cosmetics and personal care products. <i>Environment International</i> , 2016, 92-93, 50-62.	4.8	68
8	Comparison of Techniques and Solvents on the Antimicrobial and Antioxidant Potential of Extracts from <i>Acacia dealbata</i> and <i>Olea europaea</i> . <i>Antibiotics</i> , 2020, 9, 48.	1.5	65
9	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. <i>Science of the Total Environment</i> , 2018, 644, 1128-1140.	3.9	53
10	Ultrasound-assisted dispersive liquid-liquid microextraction for the determination of synthetic musk fragrances in aqueous matrices by gas chromatography-mass spectrometry. <i>Talanta</i> , 2016, 148, 84-93.	2.9	52
11	Insights on sulfamethoxazole bio-transformation by environmental Proteobacteria isolates. <i>Journal of Hazardous Materials</i> , 2018, 358, 310-318.	6.5	52
12	Volatile methylsiloxanes through wastewater treatment plants – A review of levels and implications. <i>Environment International</i> , 2017, 102, 9-29.	4.8	46
13	Amoxicillin removal from aqueous matrices by sorption with almond shell ashes. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 1063-1084.	1.8	44
14	Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. <i>Water Research</i> , 2014, 65, 307-320.	5.3	38
15	Biomonitoring levels and trends of PAHs and synthetic musks associated with land use in urban environments. <i>Science of the Total Environment</i> , 2018, 618, 93-100.	3.9	35
16	Simultaneous determination of synthetic musks and UV-filters in water matrices by dispersive liquid-liquid microextraction followed by gas chromatography tandem mass-spectrometry. <i>Journal of Chromatography A</i> , 2019, 1590, 47-57.	1.8	33
17	Biomonitoring of pesticides by pine needles – Chemical scoring, risk of exposure, levels and trends. <i>Science of the Total Environment</i> , 2014, 476-477, 114-124.	3.9	32
18	Development and optimization of a QuEChERS-GC-MS/MS methodology to analyse ultraviolet-filters and synthetic musks in sewage sludge. <i>Science of the Total Environment</i> , 2019, 651, 2606-2614.	3.9	32

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19	Development and optimization of a solid-phase microextraction gas chromatography-tandem mass spectrometry methodology to analyse ultraviolet filters in beach sand. <i>Journal of Chromatography A</i> , 2018, 1564, 59-68.	1.8	30
20	An analytical multi-residue approach for the determination of semi-volatile organic pollutants in pine needles. <i>Analytica Chimica Acta</i> , 2015, 858, 24-31.	2.6	29
21	Determination of multiclass personal care products in continental waters by solid-phase microextraction followed by gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1607, 460398.	1.8	27
22	New analytical method for the determination of musks in personal care products by QuEChERS, Easy, Clean, Effective, Rugged, and Safe extraction followed by GC-MS. <i>Journal of Separation Science</i> , 2013, 36, 2176-2184.	1.3	26
23	Optimisation and application of dispersive liquid-liquid microextraction for simultaneous determination of carbamates and organophosphorus pesticides in waters. <i>Analytical Methods</i> , 2013, 5, 2736.	1.3	25
24	Assessing seasonal variation of synthetic musks in beach sands from Oporto coastal area: A case study. <i>Environmental Pollution</i> , 2017, 226, 190-197.	3.7	24
25	Development and Validation of a Fast Procedure To Analyze Amoxicillin in River Waters by Direct-Injection LC-MS/MS. <i>Journal of Chemical Education</i> , 2014, 91, 1961-1965.	1.1	22
26	Scented traces - Dermal exposure of synthetic musk fragrances in personal care products and environmental input assessment. <i>Chemosphere</i> , 2015, 139, 276-287.	4.2	21
27	An approach to the environmental prioritisation of volatile methylsiloxanes in several matrices. <i>Science of the Total Environment</i> , 2017, 579, 506-513.	3.9	21
28	Headspace solid-phase microextraction based on the metal-organic framework CIM-80(Al) coating to determine volatile methylsiloxanes and musk fragrances in water samples using gas chromatography and mass spectrometry. <i>Talanta</i> , 2021, 232, 122440.	2.9	21
29	Using air, soil and vegetation to assess the environmental behaviour of siloxanes. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3273-3284.	2.7	20
30	Volatile methylsiloxanes in personal care products - Using QuEChERS as a "green" analytical approach. <i>Talanta</i> , 2016, 155, 94-100.	2.9	19
31	Analytical methodology to screen UV-filters and synthetic musk compounds in market tomatoes. <i>Chemosphere</i> , 2020, 238, 124605.	4.2	19
32	Can coastline plant species be used as biosamplers of emerging contaminants? - UV-filters and synthetic musks as case studies. <i>Chemosphere</i> , 2017, 184, 1134-1140.	4.2	18
33	Preliminary Feasibility Study of Benzo(a)Pyrene Oxidative Degradation by Fenton Treatment. <i>Journal of Environmental and Public Health</i> , 2009, 2009, 1-6.	0.4	17
34	Footprints in the sand - Assessing the seasonal trends of volatile methylsiloxanes and UV-filters. <i>Marine Pollution Bulletin</i> , 2019, 140, 9-16.	2.3	17
35	Uptake and translocation of UV-filters and synthetic musk compounds into edible parts of tomato grown in amended soils. <i>Science of the Total Environment</i> , 2021, 792, 148482.	3.9	14
36	Prioritisation approach to score and rank synthetic musk compounds for environmental risk assessment. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1619-1630.	1.6	12

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37	Solvent-saving approaches for the extraction of siloxanes from pine needles, soils and passive air samplers. <i>Analytical Methods</i> , 2016, 8, 5378-5387.	1.3	12
38	Marine vegetation analysis for the determination of volatile methylsiloxanes in coastal areas. <i>Science of the Total Environment</i> , 2019, 650, 2364-2373.	3.9	12
39	Gone with the flow - Assessment of personal care products in Portuguese rivers. <i>Chemosphere</i> , 2022, 293, 133552.	4.2	12
40	A review of bioaccumulation of volatile methylsiloxanes in aquatic ecosystems. <i>Science of the Total Environment</i> , 2022, 824, 153821.	3.9	11
41	Estimation of urban POP and emerging SVOC levels employing <i>Ligustrum lucidum</i> leaves. <i>Atmospheric Pollution Research</i> , 2019, 10, 1524-1530.	1.8	9
42	Modified dispersive solid-phase extraction and cleanup followed by GC-MS/MS analysis to quantify ultraviolet filters and synthetic musk compounds in soil samples. <i>Journal of Separation Science</i> , 2021, 44, 3107-3116.	1.3	8
43	Optimisation and validation of an analytical methodology for selected pesticides in waters by solid-phase extraction and liquid chromatography with ion-trap mass spectrometry detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 205-218.	1.8	7
44	Presence of metals and metalloids in crumb rubber used as infill of worldwide synthetic turf pitches: Exposure and risk assessment. <i>Chemosphere</i> , 2022, 299, 134379.	4.2	7
45	Response surface optimisation applied to a headspace-solid phase microextraction-gas chromatography-mass spectrometry method for the analysis of volatile organic compounds in water matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 166-189.	1.8	6
46	Levels of volatile methylsiloxanes in urban wastewater sludges at various steps of treatment. <i>Environmental Chemistry Letters</i> , 2021, 19, 2723-2732.	8.3	6
47	Using Design of Experiments to Optimize a Screening Analytical Methodology Based on Solid-Phase Microextraction/Gas Chromatography for the Determination of Volatile Methylsiloxanes in Water. <i>Molecules</i> , 2021, 26, 3429.	1.7	5
48	Reply to comments on "Volatile methylsiloxanes in personal care products" Using QuEChERS as a "green" analytical approach published in <i>Talanta</i> 174 (2017) 156-157. <i>Talanta</i> , 2018, 179, 485-489.	2.9	2
49	ALTERNATIVE APPROACHES FOR AMOXICILLIN REMOVAL FROM WATER - FENTON'S OXIDATION VERSUS SORPTION BY ALMOND SHELL ASHES. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 2399-2407.	0.2	2
50	Analytical Methods for Volatile Methylsiloxanes Quantification: Current Trends and Challenges. <i>Handbook of Environmental Chemistry</i> , 2020, , 71-118.	0.2	1
51	Analysis of Volatile Methylsiloxanes in Water using a Small-scale Liquid-liquid Extraction Method followed by Gas Chromatography-mass Spectrometry (LLE-GC-MS). <i>U Porto Journal of Engineering</i> , 2022, 8, 2-12.	0.2	1
52	Using air, soil and vegetation to assess the environmental behaviour of siloxanes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11878-11878.	2.7	0
53	Concluding Remarks and Future Perspectives. <i>Handbook of Environmental Chemistry</i> , 2019, , 315-320.	0.2	0
54	Editorial. <i>Science of the Total Environment</i> , 2020, 706, 134933.	3.9	0