

Victor Matamoros

List of Publications by Year in descending order

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89
papers

6,998
citations

41344
49
h-index

58581
82
g-index

89
all docs

89
docs citations

89
times ranked

5692
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking plant-root exudate changes to micropollutant exposure in aquatic plants (<i>Lemna minor</i> and) Tj ETQq1 1 0.784314 rgBT /Overlock	8.2	7
2	Implications of the use of organic fertilizers for antibiotic resistance gene distribution in agricultural soils and fresh food products. A plot-scale study. <i>Science of the Total Environment</i> , 2022, 815, 151973.	8.0	11
3	Exploring the usage of artificial root exudates to enhance the removal of contaminants of emerging concern in slow sand filters: Synthetic vs. real wastewater conditions. <i>Science of the Total Environment</i> , 2022, 824, 153978.	8.0	7
4	Assessment of a novel microalgae-cork based technology for removing antibiotics, pesticides and nitrates from groundwater. <i>Chemosphere</i> , 2022, 301, 134777.	8.2	11
5	Occurrence of antibiotics in Lettuce (<i>Lactuca sativa</i> L.) and Radish (<i>Raphanus sativus</i> L.) following organic soil fertilisation under plot-scale conditions: Crop and human health implications. <i>Journal of Hazardous Materials</i> , 2022, 436, 129044.	12.4	17
6	Occurrence and human health risk assessment of antibiotics and their metabolites in vegetables grown in field-scale agricultural systems. <i>Journal of Hazardous Materials</i> , 2021, 401, 123424.	12.4	59
7	Removal and environmental risk assessment of contaminants of emerging concern from irrigation waters in a semi-closed microalgae photobioreactor. <i>Environmental Research</i> , 2021, 194, 110278.	7.5	20
8	Mitigating antibiotic pollution using cyanobacteria: Removal efficiency, pathways and metabolism. <i>Water Research</i> , 2021, 190, 116735.	11.3	62
9	Constructed wetlands operated as bioelectrochemical systems for the removal of organic micropollutants. <i>Chemosphere</i> , 2021, 271, 129593.	8.2	27
10	Metabolomic and phenotypic implications of the application of fertilization products containing microcontaminants in lettuce (<i>Lactuca sativa</i>). <i>Scientific Reports</i> , 2021, 11, 9701.	3.3	5
11	Compounds of emerging concern as new plant stressors linked to water reuse and biosolid application in agriculture. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105198.	6.7	14
12	Analytical challenges and solutions for performing metabolomic analysis of root exudates. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 31, e00130.	10.3	24
13	Effects of industrial pollution on the reproductive biology of <i>Squalius laietanus</i> (Actinopterygii). Tj ETQq1 1 0.784314 rgBT /Overlock 10 46, 247-264.	2.3	10
14	Attenuation of nitrates, antibiotics and pesticides from groundwater using immobilised microalgae-based systems. <i>Science of the Total Environment</i> , 2020, 703, 134740.	8.0	63
15	Occurrence and human health risk assessment of antibiotics and trace elements in <i>Lactuca sativa</i> amended with different organic fertilizers. <i>Environmental Research</i> , 2020, 190, 109946.	7.5	22
16	Dose effect of Zn and Cu in sludge-amended soils on vegetable uptake of trace elements, antibiotics, and antibiotic resistance genes: Human health implications. <i>Environmental Research</i> , 2020, 191, 109879.	7.5	20
17	Novel Constructed Wetland Configurations for the Removal of Pharmaceuticals in Wastewater. <i>Handbook of Environmental Chemistry</i> , 2020, , 163-190.	0.4	2
18	Does the application of human waste as a fertilization material in agricultural production pose adverse effects on human health attributable to contaminants of emerging concern?. <i>Environmental Research</i> , 2020, 182, 109132.	7.5	14

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19	Antibiotic resistance gene distribution in agricultural fields and crops. A soil-to-food analysis. <i>Environmental Research</i> , 2019, 177, 108608.	7.5	84
20	Chemical characterization and phytotoxicity assessment of peri-urban soils using seed germination and root elongation tests. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34401-34411.	5.3	7
21	Unravelling the role of vegetation in the attenuation of contaminants of emerging concern from wetland systems: Preliminary results from column studies. <i>Water Research</i> , 2019, 166, 115031.	11.3	24
22	Occurrence and human health implications of chemical contaminants in vegetables grown in peri-urban agriculture. <i>Environment International</i> , 2019, 124, 49-57.	10.0	59
23	Simultaneous determination of multiclass antibiotics and their metabolites in four types of field-grown vegetables. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5209-5222.	3.7	32
24	Distribution of antibiotic resistance genes in soils and crops. A field study in legume plants (<i>Vicia faba</i>) Tj ETQq0 0 0 ggBT /Overlock 10 T	7.5	67
25	Co-digestion of microalgae and primary sludge: Effect on biogas production and microcontaminants removal. <i>Science of the Total Environment</i> , 2019, 660, 974-981.	8.0	60
26	Antibiotic resistance genes distribution in microbiomes from the soil-plant-fruit continuum in commercial <i>Lycopersicon esculentum</i> fields under different agricultural practices. <i>Science of the Total Environment</i> , 2019, 652, 660-670.	8.0	65
27	Use of full-scale hybrid horizontal tubular photobioreactors to process agricultural runoff. <i>Biosystems Engineering</i> , 2018, 166, 138-149.	4.3	51
28	Occurrence and bioaccumulation of chemical contaminants in lettuce grown in peri-urban horticulture. <i>Science of the Total Environment</i> , 2018, 637-638, 1166-1174.	8.0	35
29	Assessing the use of sand, peat soil, and pine bark for the attenuation of polar pesticides from agricultural run-off: a bench-scale column experiment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20640-20647.	5.3	8
30	Chemometric analysis of comprehensive two dimensional gas chromatographyâ€“mass spectrometry metabolomics data. <i>Journal of Chromatography A</i> , 2017, 1488, 113-125.	3.7	48
31	Occurrence of chemical contaminants in peri-urban agricultural irrigation waters and assessment of their phytotoxicity and crop productivity. <i>Science of the Total Environment</i> , 2017, 599-600, 1140-1148.	8.0	44
32	Linking the morphological and metabolomic response of <i>Lactuca sativa</i> L exposed to emerging contaminants using GC-MS and chemometric tools. <i>Scientific Reports</i> , 2017, 7, 6546.	3.3	61
33	Influence of seasonality and vegetation on the attenuation of emerging contaminants in wastewater effluent-dominated streams. A preliminary study. <i>Chemosphere</i> , 2017, 186, 269-277.	8.2	18
34	Mitigation of emerging contaminants by full-scale horizontal flow constructed wetlands fed with secondary treated wastewater. <i>Ecological Engineering</i> , 2017, 99, 222-227.	3.6	79
35	Mitigation of polar pesticides across a vegetative filter strip. A mesocosm study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25402-25411.	5.3	13
36	Removal of endocrine disrupting compounds from wastewater by microalgae co-immobilized in alginate beads. <i>Chemosphere</i> , 2016, 164, 516-523.	8.2	64

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37	Batch vs continuous-feeding operational mode for the removal of pesticides from agricultural run-off by microalgae systems: A laboratory scale study. <i>Journal of Hazardous Materials</i> , 2016, 309, 126-132.	12.4	53
38	Development of a polymer inclusion membrane-based passive sampler for monitoring of sulfamethoxazole in natural waters. Minimizing the effect of the flow pattern of the aquatic system. <i>Microchemical Journal</i> , 2016, 124, 175-180.	4.5	35
39	A comparative assessment of intensive and extensive wastewater treatment technologies for removing emerging contaminants in small communities. <i>Water Research</i> , 2016, 88, 777-785.	11.3	127
40	Assessment of the mechanisms involved in the removal of emerging contaminants by microalgae from wastewater: a laboratory scale study. <i>Journal of Hazardous Materials</i> , 2016, 301, 197-205.	12.4	246
41	Capability of microalgae-based wastewater treatment systems to remove emerging organic contaminants: A pilot-scale study. <i>Journal of Hazardous Materials</i> , 2015, 288, 34-42.	12.4	346
42	Development of a polymer inclusion membrane (PIM) for the preconcentration of antibiotics in environmental water samples. <i>Journal of Membrane Science</i> , 2015, 492, 32-39.	8.2	72
43	The influence of <i>Lemna</i> sp. and <i>Spirogyra</i> sp. on the removal of pharmaceuticals and endocrine disruptors in treated wastewaters. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2327-2338.	3.5	37
44	Formation potential of N-nitrosamines during the disinfection of treated wastewaters with sodium hypochlorite. <i>Desalination and Water Treatment</i> , 2014, 52, 3019-3026.	1.0	7
45	The ability of biologically based wastewater treatment systems to remove emerging organic contaminants—a review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11708-11728.	5.3	166
46	Attenuation of emerging organic contaminants in a hybrid constructed wetland system under different hydraulic loading rates and their associated toxicological effects in wastewater. <i>Science of the Total Environment</i> , 2014, 470-471, 1272-1280.	8.0	117
47	Determination of pharmaceutical compounds in sewage sludge using a standard addition method approach. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1199-1209.	3.3	19
48	The influence of light exposure, water quality and vegetation on the removal of sulfonamides and tetracyclines: A laboratory-scale study. <i>Chemosphere</i> , 2013, 90, 2297-2302.	8.2	52
49	Atmospheric influence on the distribution of organic pollutants in the Guadalquivir River estuary, SW Spain. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3209-3218.	2.7	10
50	Evaluation of a coagulation/flocculation-lamellar clarifier and filtration-UV-chlorination reactor for removing emerging contaminants at full-scale wastewater treatment plants in Spain. <i>Journal of Environmental Management</i> , 2013, 117, 96-102.	7.8	52
51	Use of effect-directed analysis for the identification of organic toxicants in surface flow constructed wetland sediments. <i>Chemosphere</i> , 2013, 91, 1165-1175.	8.2	27
52	Foliar sorption of emerging and priority contaminants under controlled conditions. <i>Journal of Hazardous Materials</i> , 2013, 260, 176-182.	12.4	18
53	Uptake of microcontaminants by crops irrigated with reclaimed water and groundwater under real field greenhouse conditions. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3629-3638.	5.3	66
54	Removal of Pharmaceutical Compounds from Wastewater and Surface Water by Natural Treatments. <i>Comprehensive Analytical Chemistry</i> , 2013, 62, 409-433.	1.3	9

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55	Development of Polymer Inclusion Membranes for the Extraction of Antibiotics from Environmental Waters. <i>Procedia Engineering</i> , 2012, 44, 804-806.	1.2	6
56	Musk fragrances, DEHP and heavy metals in a 20 years old sludge treatment reed bed system. <i>Water Research</i> , 2012, 46, 3889-3896.	11.3	46
57	Analytical procedures for the determination of emerging organic contaminants in plant material: A review. <i>Analytica Chimica Acta</i> , 2012, 722, 8-20.	5.4	56
58	Uptake of Organic Emergent Contaminants in Spath and Lettuce: An In Vitro Experiment. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2000-2007.	5.2	98
59	Evaluation of the seasonal performance of a water reclamation pond-constructed wetland system for removing emerging contaminants. <i>Chemosphere</i> , 2012, 86, 111-117.	8.2	123
60	Evaluation of aquatic plants for removing polar microcontaminants: A microcosm experiment. <i>Chemosphere</i> , 2012, 88, 1257-1264.	8.2	142
61	Occurrence and behavior of emerging contaminants in surface water and a restored wetland. <i>Chemosphere</i> , 2012, 88, 1083-1089.	8.2	126
62	Evaluation of a biologically-based filtration water reclamation plant for removing emerging contaminants: A pilot plant study. <i>Bioresource Technology</i> , 2012, 104, 243-249.	9.6	45
63	Influence of design, physico-chemical and environmental parameters on pharmaceuticals and fragrances removal by constructed wetlands. <i>Water Science and Technology</i> , 2011, 63, 2527-2534.	2.5	52
64	Screening of 47 organic microcontaminants in agricultural irrigation waters and their soil loading. <i>Water Research</i> , 2011, 45, 221-231.	11.3	152
65	Occurrence and potential crop uptake of emerging contaminants and related compounds in an agricultural irrigation network. <i>Science of the Total Environment</i> , 2011, 412-413, 14-19.	8.0	115
66	Evaluation of primary treatment and loading regimes in the removal of pharmaceuticals and personal care products from urban wastewaters by subsurface-flow constructed wetlands. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 632-653.	3.3	56
67	Elimination and accumulation of polycyclic aromatic hydrocarbons in urban stormwater wet detention ponds. <i>Water Science and Technology</i> , 2011, 64, 818-825.	2.5	11
68	Capacity of a horizontal subsurface flow constructed wetland system for the removal of emerging pollutants: An injection experiment. <i>Chemosphere</i> , 2010, 81, 1137-1142.	8.2	113
69	Occurrence and fate of benzothiazoles and benzotriazoles in constructed wetlands. <i>Water Science and Technology</i> , 2010, 61, 191-198.	2.5	81
70	Contaminant Removal Processes in Subsurface-Flow Constructed Wetlands: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2010, 40, 561-661.	12.8	399
71	Part-per-Trillion Determination of Pharmaceuticals, Pesticides, and Related Organic Contaminants in River Water by Solid-Phase Extraction Followed by Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 699-706.	6.5	113
72	Assessment of full-scale natural systems for the removal of PPCPs from wastewater in small communities. <i>Water Research</i> , 2010, 44, 1429-1439.	11.3	208

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73	Comprehensive assessment of the design configuration of constructed wetlands for the removal of pharmaceuticals and personal care products from urban wastewaters. <i>Water Research</i> , 2010, 44, 3669-3678.	11.3	224
74	Water quality improvement in a full-scale tertiary constructed wetland: Effects on conventional and specific organic contaminants. <i>Science of the Total Environment</i> , 2009, 407, 2517-2524.	8.0	85
75	Photodegradation of Carbamazepine, Ibuprofen, Ketoprofen and 17 β -Ethinylestradiol in Fresh and Seawater. <i>Water, Air, and Soil Pollution</i> , 2009, 196, 161-168.	2.4	149
76	Advances in the determination of degradation intermediates of personal care products in environmental matrixes: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 847-860.	3.7	32
77	Characterization of benzothiazoles, benzotriazoles and benzosulfonamides in aqueous matrixes by solid-phase extraction followed by comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 4013-4019.	3.7	84
78	Assessment of the pharmaceutical active compounds removal in wastewater treatment systems at enantiomeric level. Ibuprofen and naproxen. <i>Chemosphere</i> , 2009, 75, 200-205.	8.2	138
79	Preliminary screening of small-scale domestic wastewater treatment systems for removal of pharmaceutical and personal care products. <i>Water Research</i> , 2009, 43, 55-62.	11.3	205
80	Behaviour of pharmaceutical products and biodegradation intermediates in horizontal subsurface flow constructed wetland. A microcosm experiment. <i>Science of the Total Environment</i> , 2008, 394, 171-176.	8.0	131
81	Organic micropollutant removal in a full-scale surface flow constructed wetland fed with secondary effluent. <i>Water Research</i> , 2008, 42, 653-660.	11.3	305
82	Behavior of Emerging Pollutants in Constructed Wetlands. <i>Handbook of Environmental Chemistry</i> , 2008, , 199-217.	0.4	15
83	Trihalomethane occurrence in chlorinated reclaimed water at full-scale wastewater treatment plants in NE Spain. <i>Water Research</i> , 2007, 41, 3337-3344.	11.3	55
84	Behavior of selected priority organic pollutants in horizontal subsurface flow constructed wetlands: A preliminary screening. <i>Chemosphere</i> , 2007, 69, 1374-1380.	8.2	85
85	Removal of Pharmaceuticals and Personal Care Products (PPCPs) from Urban Wastewater in a Pilot Vertical Flow Constructed Wetland and a Sand Filter. <i>Environmental Science & Technology</i> , 2007, 41, 8171-8177.	10.0	224
86	Behavior of Emerging Pollutants in Constructed Wetlands. , 2007, , 199-217.		3
87	Elimination of Pharmaceuticals and Personal Care Products in Subsurface Flow Constructed Wetlands. <i>Environmental Science & Technology</i> , 2006, 40, 5811-5816.	10.0	298
88	Effect of key design parameters on the efficiency of horizontal subsurface flow constructed wetlands. <i>Ecological Engineering</i> , 2005, 25, 405-418.	3.6	195
89	Behavior of Selected Pharmaceuticals in Subsurface Flow Constructed Wetlands: A Pilot-Scale Study. <i>Environmental Science & Technology</i> , 2005, 39, 5449-5454.	10.0	155