Victor Matamoros

List of Publications by Year
in descending order

89 papers	6,998 citations	41258 49 h-index	58464 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 (Lemna minor and) Tj ETQq1 1 0.784314 rgBT /Overlock	4.2	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. Science of the Total Environment, 2022, 815, 151973.	3.9	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. Science of the Total Environment, 2022, 824, 153978.	3.9	7
4	Assessment of a novel microalgae-cork based technology for removing antibiotics, pesticides and nitrates from groundwater. Chemosphere, 2022, 301, 134777.	4.2	11
5	Occurrence of antibiotics in Lettuce (Lactuca sativa L.) and Radish (Raphanus sativus L.) following organic soil fertilisation under plot-scale conditions: Crop and human health implications. Journal of Hazardous Materials, 2022, 436, 129044.	6.5	17
6	Occurrence and human health risk assessment of antibiotics and their metabolites in vegetables grown in field-scale agricultural systems. Journal of Hazardous Materials, 2021, 401, 123424.	6.5	59
7	Removal and environmental risk assessment of contaminants of emerging concern from irrigation waters in a semi-closed microalgae photobioreactor. Environmental Research, 2021, 194, 110278.	3.7	20
8	Mitigating antibiotic pollution using cyanobacteria: Removal efficiency, pathways and metabolism. Water Research, 2021, 190, 116735.	5.3	62
9	Constructed wetlands operated as bioelectrochemical systems for the removal of organic micropollutants. Chemosphere, 2021, 271, 129593.	4.2	27
10	Metabolomic and phenotypic implications of the application of fertilization products containing microcontaminants in lettuce (Lactuca sativa). Scientific Reports, 2021, 11, 9701.	1.6	5
11	Compounds of emerging concern as new plant stressors linked to water reuse and biosolid application in agriculture. Journal of Environmental Chemical Engineering, 2021, 9, 105198.	3.3	14
12	Analytical challenges and solutions for performing metabolomic analysis of root exudates. Trends in Environmental Analytical Chemistry, 2021, 31, e00130.	5.3	24
13	Effects of industrial pollution on the reproductive biology of Squalius laietanus (Actinopterygii,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 46, 247-264.	0.9	10
14	Attenuation of nitrates, antibiotics and pesticides from groundwater using immobilised microalgae-based systems. Science of the Total Environment, 2020, 703, 134740.	3.9	63
15	Occurrence and human health risk assessment of antibiotics and trace elements in Lactuca sativa amended with different organic fertilizers. Environmental Research, 2020, 190, 109946.	3.7	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. Environmental Research, 2020, 191, 109879.	3.7	20
17	Novel Constructed Wetland Configurations for the Removal of Pharmaceuticals in Wastewater. Handbook of Environmental Chemistry, 2020, , 163-190.	0.2	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?. Environmental Research, 2020, 182, 109132.	3.7	14

#	Article	IF	Citations
19	Antibiotic resistance gene distribution in agricultural fields and crops. A soil-to-food analysis. Environmental Research, 2019, 177, 108608.	3.7	84
20	Chemical characterization and phytotoxicity assessment of peri-urban soils using seed germination and root elongation tests. Environmental Science and Pollution Research, 2019, 26, 34401-34411.	2.7	7
21	Unravelling the role of vegetation in the attenuation of contaminants of emerging concern from wetland systems: Preliminary results from column studies. Water Research, 2019, 166, 115031.	5.3	24
22	Occurrence and human health implications of chemical contaminants in vegetables grown in peri-urban agriculture. Environment International, 2019, 124, 49-57.	4.8	59
23	Simultaneous determination of multiclass antibiotics and their metabolites in four types of field-grown vegetables. Analytical and Bioanalytical Chemistry, 2019, 411, 5209-5222.	1.9	32
24	Distribution of antibiotic resistance genes in soils and crops. A field study in legume plants (Vicia faba) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.7	67
25	Co-digestion of microalgae and primary sludge: Effect on biogas production and microcontaminants removal. Science of the Total Environment, 2019, 660, 974-981.	3.9	60
26	Antibiotic resistance genes distribution in microbiomes from the soil-plant-fruit continuum in commercial Lycopersicon esculentum fields under different agricultural practices. Science of the Total Environment, 2019, 652, 660-670.	3.9	65
27	Use of full-scale hybrid horizontal tubular photobioreactors to process agricultural runoff. Biosystems Engineering, 2018, 166, 138-149.	1.9	51
28	Occurrence and bioaccumulation of chemical contaminants in lettuce grown in peri-urban horticulture. Science of the Total Environment, 2018, 637-638, 1166-1174.	3.9	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. Environmental Science and Pollution Research, 2018, 25, 20640-20647.	2.7	8
30	Chemometric analysis of comprehensive two dimensional gas chromatographyâ€“mass spectrometry metabolomics data. Journal of Chromatography A, 2017, 1488, 113-125.	1.8	48
31	Occurrence of chemical contaminants in peri-urban agricultural irrigation waters and assessment of their phytotoxicity and crop productivity. Science of the Total Environment, 2017, 599-600, 1140-1148.	3.9	44
32	Linking the morphological and metabolomic response of Lactuca sativa L exposed to emerging contaminants using GCâ€‰Ã—â€‰GC-MS and chemometric tools. Scientific Reports, 2017, 7, 6546.	1.6	61
33	Influence of seasonality and vegetation on the attenuation of emerging contaminants in wastewater effluent-dominated streams. A preliminary study. Chemosphere, 2017, 186, 269-277.	4.2	18
34	Mitigation of emerging contaminants by full-scale horizontal flow constructed wetlands fed with secondary treated wastewater. Ecological Engineering, 2017, 99, 222-227.	1.6	79
35	Mitigation of polar pesticides across a vegetative filter strip. A mesocosm study. Environmental Science and Pollution Research, 2016, 23, 25402-25411.	2.7	13
36	Removal of endocrine disrupting compounds from wastewater by microalgae co-immobilized in alginate beads. Chemosphere, 2016, 164, 516-523.	4.2	64

#	Article	IF	Citations
37	Batch vs continuous-feeding operational mode for the removal of pesticides from agricultural run-off by microalgae systems: A laboratory scale study. Journal of Hazardous Materials, 2016, 309, 126-132.	6.5	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. Microchemical Journal, 2016, 124, 175-180.	2.3	35
39	A comparative assessment of intensive and extensive wastewater treatment technologies for removing emerging contaminants in small communities. Water Research, 2016, 88, 777-785.	5.3	127
40	Assessment of the mechanisms involved in the removal of emerging contaminants by microalgae from wastewater: a laboratory scale study. Journal of Hazardous Materials, 2016, 301, 197-205.	6.5	246
41	Capability of microalgae-based wastewater treatment systems to remove emerging organic contaminants: A pilot-scale study. Journal of Hazardous Materials, 2015, 288, 34-42.	6.5	346
42	Development of a polymer inclusion membrane (PIM) for the preconcentration of antibiotics in environmental water samples. Journal of Membrane Science, 2015, 492, 32-39.	4.1	72
43	The influence of Lemna sp. and Spirogyra sp. on the removal of pharmaceuticals and endocrine disruptors in treated wastewaters. International Journal of Environmental Science and Technology, 2015, 12, 2327-2338.	1.8	37
44	Formation potential ofN-nitrosamines during the disinfection of treated wastewaters with sodium hypochlorite. Desalination and Water Treatment, 2014, 52, 3019-3026.	1.0	7
45	The ability of biologically based wastewater treatment systems to remove emerging organic contaminantsâ€"a review. Environmental Science and Pollution Research, 2014, 21, 11708-11728.	2.7	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. Science of the Total Environment, 2014, 470-471, 1272-1280.	3.9	117
47	Determination of pharmaceutical compounds in sewage sludge using a standard addition method approach. International Journal of Environmental Analytical Chemistry, 2014, 94, 1199-1209.	1.8	19
48	The influence of light exposure, water quality and vegetation on the removal of sulfonamides and tetracyclines: A laboratory-scale study. Chemosphere, 2013, 90, 2297-2302.	4.2	52
49	Atmospheric influence on the distribution of organic pollutants in the Guadalquivir River estuary, SW Spain. Environmental Monitoring and Assessment, 2013, 185, 3209-3218.	1.3	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. Journal of Environmental Management, 2013, 117, 96-102.	3.8	52
51	Use of effect-directed analysis for the identification of organic toxicants in surface flow constructed wetland sediments. Chemosphere, 2013, 91, 1165-1175.	4.2	27
52	Foliar sorption of emerging and priority contaminants under controlled conditions. Journal of Hazardous Materials, 2013, 260, 176-182.	6.5	18
53	Uptake of microcontaminants by crops irrigated with reclaimed water and groundwater under real field greenhouse conditions. Environmental Science and Pollution Research, 2013, 20, 3629-3638.	2.7	66
54	Removal of Pharmaceutical Compounds from Wastewater and Surface Water by Natural Treatments. Comprehensive Analytical Chemistry, 2013, 62, 409-433.	0.7	9

#	ARTICLE	IF	CITATIONS
55	Development of Polymer Inclusion Membranes for the Extraction of Antibiotics from Environmental Waters. Procedia Engineering, 2012, 44, 804-806.	1.2	6
56	Musk fragrances, DEHP and heavy metals in a 20 years old sludge treatment reed bed system. Water Research, 2012, 46, 3889-3896.	5.3	46
57	Analytical procedures for the determination of emerging organic contaminants in plant material: A review. Analytica Chimica Acta, 2012, 722, 8-20.	2.6	56
58	Uptake of Organic Emergent Contaminants in Spath and Lettuce: An In Vitro Experiment. Journal of Agricultural and Food Chemistry, 2012, 60, 2000-2007.	2.4	98
59	Evaluation of the seasonal performance of a water reclamation pond-constructed wetland system for removing emerging contaminants. Chemosphere, 2012, 86, 111-117.	4.2	123
60	Evaluation of aquatic plants for removing polar microcontaminants: A microcosm experiment. Chemosphere, 2012, 88, 1257-1264.	4.2	142
61	Occurrence and behavior of emerging contaminants in surface water and a restored wetland. Chemosphere, 2012, 88, 1083-1089.	4.2	126
62	Evaluation of a biologically-based filtration water reclamation plant for removing emerging contaminants: A pilot plant study. Bioresource Technology, 2012, 104, 243-249.	4.8	45
63	Influence of design, physico-chemical and environmental parameters on pharmaceuticals and fragrances removal by constructed wetlands. Water Science and Technology, 2011, 63, 2527-2534.	1.2	52
64	Screening of 47 organic microcontaminants in agricultural irrigation waters and their soil loading. Water Research, 2011, 45, 221-231.	5.3	152
65	Occurrence and potential crop uptake of emerging contaminants and related compounds in an agricultural irrigation network. Science of the Total Environment, 2011, 412-413, 14-19.	3.9	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. International Journal of Environmental Analytical Chemistry, 2011, 91, 632-653.	1.8	56
67	Elimination and accumulation of polycyclic aromatic hydrocarbons in urban stormwater wet detention ponds. Water Science and Technology, 2011, 64, 818-825.	1.2	11
68	Capacity of a horizontal subsurface flow constructed wetland system for the removal of emerging pollutants: An injection experiment. Chemosphere, 2010, 81, 1137-1142.	4.2	113
69	Occurrence and fate of benzothiazoles and benzotriazoles in constructed wetlands. Water Science and Technology, 2010, 61, 191-198.	1.2	81
70	Contaminant Removal Processes in Subsurface-Flow Constructed Wetlands: A Review. Critical Reviews in Environmental Science and Technology, 2010, 40, 561-661.	6.6	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. Analytical Chemistry, 2010, 82, 699-706.	3.2	113
72	Assessment of full-scale natural systems for the removal of PPCPs from wastewater in small communities. Water Research, 2010, 44, 1429-1439.	5.3	208

#	Article	IF	Citations
73	Comprehensive assessment of the design configuration of constructed wetlands for the removal of pharmaceuticals and personal care products from urban wastewaters. Water Research, 2010, 44, 3669-3678.	5.3	224
74	Water quality improvement in a full-scale tertiary constructed wetland: Effects on conventional and specific organic contaminants. Science of the Total Environment, 2009, 407, 2517-2524.	3.9	85
75	Photodegradation of Carbamazepine, Ibuprofen, Ketoprofen and 17Î±-Ethinylestradiol in Fresh and Seawater. Water, Air, and Soil Pollution, 2009, 196, 161-168.	1.1	149
76	Advances in the determination of degradation intermediates of personal care products in environmental matrixes: a review. Analytical and Bioanalytical Chemistry, 2009, 393, 847-860.	1.9	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. Journal of Chromatography A, 2009, 1216, 4013-4019.	1.8	84
78	Assessment of the pharmaceutical active compounds removal in wastewater treatment systems at enantiomeric level. Ibuprofen and naproxen. Chemosphere, 2009, 75, 200-205.	4.2	138
79	Preliminary screening of small-scale domestic wastewater treatment systems for removal of pharmaceutical and personal care products. Water Research, 2009, 43, 55-62.	5.3	205
80	Behaviour of pharmaceutical products and biodegradation intermediates in horizontal subsurface flow constructed wetland. A microcosm experiment. Science of the Total Environment, 2008, 394, 171-176.	3.9	131
81	Organic micropollutant removal in a full-scale surface flow constructed wetland fed with secondary effluent. Water Research, 2008, 42, 653-660.	5.3	305
82	Behavior of Emerging Pollutants in Constructed Wetlands. Handbook of Environmental Chemistry, 2008, , 199-217.	0.2	15
83	Trihalomethane occurrence in chlorinated reclaimed water at full-scale wastewater treatment plants in NE Spain. Water Research, 2007, 41, 3337-3344.	5.3	55
84	Behavior of selected priority organic pollutants in horizontal subsurface flow constructed wetlands: A preliminary screening. Chemosphere, 2007, 69, 1374-1380.	4.2	85
85	Removal of Pharmaceuticals and Personal Care Products (PPCPs) from Urban Wastewater in a Pilot Vertical Flow Constructed Wetland and a Sand Filter. Environmental Science & Technology, 2007, 41, 8171-8177.	4.6	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. Environmental Science & Technology, 2006, 40, 5811-5816.	4.6	298
88	Effect of key design parameters on the efficiency of horizontal subsurface flow constructed wetlands. Ecological Engineering, 2005, 25, 405-418.	1.6	195
89	Behavior of Selected Pharmaceuticals in Subsurface Flow Constructed Wetlands:Â A Pilot-Scale Study. Environmental Science & Technology, 2005, 39, 5449-5454.	4.6	155