

Mara Jess Garca-Galn

List of Publications by Citations

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32
papers

1,152
citations

22
h-index

33
g-index

33
ext. papers

1,393
ext. citations

7.7
avg, IF

4.93
L-index

#	Paper	IF	Citations
32	A review of emerging organic contaminants (EOCs), antibiotic resistant bacteria (ARB), and antibiotic resistance genes (ARGs) in the environment: Increasing removal with wetlands and reducing environmental impacts. <i>Bioresource Technology</i> , 2020 , 307, 123228	11	102
31	Kinetic studies and characterization of photolytic products of sulfamethazine, sulfapyridine and their acetylated metabolites in water under simulated solar irradiation. <i>Water Research</i> , 2012 , 46, 711-22	12.5	87
30	Ecotoxicity evaluation and removal of sulfonamides and their acetylated metabolites during conventional wastewater treatment. <i>Science of the Total Environment</i> , 2012 , 437, 403-12	10.2	86
29	Occurrence and in-stream attenuation of wastewater-derived pharmaceuticals in Iberian rivers. <i>Science of the Total Environment</i> , 2015 , 503-504, 133-41	10.2	83
28	Multiresidue trace analysis of sulfonamide antibiotics and their metabolites in soils and sewage sludge by pressurized liquid extraction followed by liquid chromatography-electrospray-quadrupole linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1275, 32-40	4.5	77
27	Attenuation of pharmaceuticals and their transformation products in a wastewater treatment plant and its receiving river ecosystem. <i>Water Research</i> , 2016 , 100, 126-136	12.5	66
26	Removal of sulfonamide antibiotics upon conventional activated sludge and advanced membrane bioreactor treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 1505-15	4.4	49
25	Cultivation and selection of cyanobacteria in a closed photobioreactor used for secondary effluent and digestate treatment. <i>Science of the Total Environment</i> , 2017 , 587-588, 157-167	10.2	44
24	Fate of pharmaceuticals and their transformation products in integrated membrane systems for wastewater reclamation. <i>Chemical Engineering Journal</i> , 2018 , 331, 450-461	14.7	43
23	Production of polyhydroxybutyrates and carbohydrates in a mixed cyanobacterial culture: Effect of nutrients limitation and photoperiods. <i>New Biotechnology</i> , 2018 , 42, 1-11	6.4	42
22	Use of full-scale hybrid horizontal tubular photobioreactors to process agricultural runoff. <i>Biosystems Engineering</i> , 2018 , 166, 138-149	4.8	39
21	Start-up of a microalgae-based treatment system within the biorefinery concept: from wastewater to bioproducts. <i>Water Science and Technology</i> , 2018 , 78, 114-124	2.2	38
20	Fate of priority pharmaceuticals and their main metabolites and transformation products in microalgae-based wastewater treatment systems. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121771	12.8	36
19	Multiresidue trace analysis of pharmaceuticals, their human metabolites and transformation products by fully automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2016 , 158, 330-341	6.2	35
18	UV/H ₂ O ₂ degradation of the antidepressants venlafaxine and O-desmethylvenlafaxine: Elucidation of their transformation pathway and environmental fate. <i>Journal of Hazardous Materials</i> , 2016 , 311, 70-80	12.8	32
17	Polyhydroxybutyrate and glycogen production in photobioreactors inoculated with wastewater borne cyanobacteria monocultures. <i>Bioresource Technology</i> , 2020 , 295, 122233	11	32
16	Can high rate algal ponds be used as post-treatment of UASB reactors to remove micropollutants?. <i>Chemosphere</i> , 2020 , 248, 125969	8.4	30

15	Bioremediation of agricultural runoff and biopolymers production from cyanobacteria cultured in demonstrative full-scale photobioreactors. <i>Chemical Engineering Research and Design</i> , 2020 , 139, 241-250	5.5	30
14	Microalgae-based bioremediation of water contaminated by pesticides in peri-urban agricultural areas. <i>Environmental Pollution</i> , 2020 , 265, 114579	9.3	29
13	Advanced oxidation of the antibiotic sulfapyridine by UV/H ₂ O ₂ : Characterization of its transformation products and ecotoxicological implications. <i>Chemosphere</i> , 2016 , 147, 451-9	8.4	29
12	Nutrient removal from agricultural run-off in demonstrative full scale tubular photobioreactors for microalgae growth. <i>Ecological Engineering</i> , 2018 , 120, 513-521	3.9	29
11	Biodegradation studies of N4-acetylsulfapyridine and N4-acetylsulfamethazine in environmental water by applying mass spectrometry techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2885-96	4.6	27
10	Evaluation of the influence of surfactants in the bioaccumulation kinetics of sulfamethoxazole and oxazepam in benthic invertebrates. <i>Science of the Total Environment</i> , 2017 , 592, 554-564	10.2	17
9	Evaluation of daily and seasonal variations in a semi-closed photobioreactor for microalgae-based bioremediation of agricultural runoff at full-scale. <i>Algal Research</i> , 2020 , 47, 101859	5	15
8	Nutrients and biomass dynamics in photo-sequencing batch reactors treating wastewater with high nutrients loadings. <i>Ecological Engineering</i> , 2018 , 119, 35-44	3.9	10
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	7.9	10
6	Constructed wetlands operated as bioelectrochemical systems for the removal of organic micropollutants. <i>Chemosphere</i> , 2021 , 271, 129593	8.4	9
5	Boosting pharmaceutical removal through aeration in constructed wetlands. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125231	12.8	9
4	Feasibility assessment of energy-neutral microalgae-based wastewater treatment plants under Spanish climatic conditions. <i>Chemical Engineering Research and Design</i> , 2018 , 119, 242-252	5.5	7
3	Scaling-Up the Anaerobic Digestion of Pretreated Microalgal Biomass within a Water Resource Recovery Facility. <i>Energies</i> , 2020 , 13, 5484	3.1	6
2	Occurrence and Fate of Sulfonamide Antibiotics in Surface Waters: Climatic Effects on Their Presence in the Mediterranean Region and Aquatic Ecosystem Vulnerability. <i>Handbook of Environmental Chemistry</i> , 2012 , 167-192	0.8	3
1	Fate and Occurrence of PhACs in the Terrestrial Environment. <i>Comprehensive Analytical Chemistry</i> , 2013 , 62, 559-592	1.9	