Paula M L Castro

List of Publications by Year
in descending order

211 papers	9,029 citations	36303 51 h-index	54911 84 g-index
214 all docs	214 docs citations	214 times ranked	10042 citing authors

#	Article	IF	Citations
1	Remediation of Heavy Metal Contaminated Soils: Phytoremediation as a Potentially Promising Clean-Up Technology. Critical Reviews in Environmental Science and Technology, 2009, 39, 622-654.	12.8	460
2	Constructed wetland systems vegetated with different plants applied to the treatment of tannery wastewater. Water Research, 2007, 41, 1790-1798.	11.3	299
3	Eutrophication and macroalgal blooms in temperate and tropical coastal waters: nutrient enrichment experiments with Ulva spp.. Global Change Biology, 2010, 16, 2624-2637.	9.5	291
4	Metal uptake by microalgae: Underlying mechanisms and practical applications. Biotechnology Progress, 2012, 28, 299-311.	2.6	274
5	Assessment of the plant growth promotion abilities of six bacterial isolates using Zea mays as indicator plant. Soil Biology and Biochemistry, 2010, 42, 1229-1235.	8.8	273
6	Phytoremediation of polyaromatic hydrocarbons, anilines and phenols. Environmental Science and Pollution Research, 2002, 9, 29-47.	5.3	265
7	Valorisation of natural extracts from marine source focused on marine by-products: A review. Food Research International, 2010, 43, 2221-2233.	6.2	204
8	Performance of aerobic granular sludge in a sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin. Water Research, 2014, 50, 101-113.	11.3	197
9	Biodegradation of ofloxacin, norfloxacin, and ciprofloxacin as single and mixed substrates by Labrys portucalensis F11. Applied Microbiology and Biotechnology, 2014, 98, 3181-3190.	3.6	149
10	Use of constructed wetland systems with Arundo and Sarcocornia for polishing high salinity tannery wastewater. Journal of Environmental Management, 2012, 95, 66-71.	7.8	143
11	Inoculating Helianthus annuus (sunflower) grown in zinc and cadmium contaminated soils with plant growth promoting bacteria â€“ Effects on phytoremediation strategies. Chemosphere, 2013, 92, 74-83.	8.2	141
12	Extraction and characterisation of apatite- and tricalcium phosphate-based materials from cod fish bones. Materials Science and Engineering C, 2013, 33, 103-110.	7.3	129
13	Changes in the bacterial community structure in two-stage constructed wetlands with different plants for industrial wastewater treatment. Bioresource Technology, 2009, 100, 3228-3235.	9.6	125
14	Phosphate-solubilizing rhizobacteria enhance Zea mays growth in agricultural P-deficient soils. Ecological Engineering, 2014, 73, 526-535.	3.6	123
15	Treatment of industrial wastewater with two-stage constructed wetlands planted with Typha latifolia and Phragmites australis. Bioresource Technology, 2009, 100, 3205-3213.	9.6	112
16	4-Chlorophenol degradation by a bacterial consortium: development of a granular activated carbon biofilm reactor. Applied Microbiology and Biotechnology, 1999, 52, 722-729.	3.6	106
17	Evaluation of different substrates to support the growth of Typha latifolia in constructed wetlands treating tannery wastewater over long-term operation. Bioresource Technology, 2008, 99, 6866-6877.	9.6	101
18	Extraction of high added value biological compounds from sardine, sardine-type fish and mackerel canning residues â€" A review. Materials Science and Engineering C, 2013, 33, 3111-3120.	7.3	99

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19	Degradation of fluoroquinolone antibiotics and identification of metabolites/transformation products by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2014, 1333, 87-98.	3.7	96
20	Toxicity of cadmium and zinc on two microalgae, Scenedesmus obliquus and Desmodesmus pleiomorphus, from Northern Portugal. Journal of Applied Phycology, 2011, 23, 97-103.	2.8	94
21	Biodegradation of Diclofenac by the bacterial strain Labrys portucalensis F11. Ecotoxicology and Environmental Safety, 2018, 152, 104-113.	6.0	94
22	Bacterial community dynamics in horizontal flow constructed wetlands with different plants for high salinity industrial wastewater polishing. Water Research, 2010, 44, 5032-5038.	11.3	88
23	Synergistic effects of arbuscular mycorrhizal fungi and plant growth-promoting bacteria benefit maize growth under increasing soil salinity. Journal of Environmental Management, 2020, 257, 109982.	7.8	88
24	The mycorrhizal status of Phragmites australis in several polluted soils and sediments of an industrialised region of Northern Portugal. Mycorrhiza, 2001, 10, 241-247.	2.8	87
25	Biodegradation of p-chlorophenol by a microalgae consortium. Water Research, 2004, 38, 97-102.	11.3	84
26	Substrate effect on bacterial communities from constructed wetlands planted with Typha latifolia treating industrial wastewater. Ecological Engineering, 2009, 35, 744-753.	3.6	82
27	The Effects of Tannery Wastewater on the Development of Different Plant Species and Chromium Accumulation in Phragmites australis. Archives of Environmental Contamination and Toxicology, 2008, 55, 404-414.	4.1	79
28	Bacteria immobilisation on hydroxyapatite surface for heavy metals removal. Journal of Environmental Management, 2013, 121, 87-95.	7.8	77
29	Chiral pharmaceuticals in the environment. Environmental Chemistry Letters, 2012, 10, 239-253.	16.2	76
30	Phytomanagement of Cd-contaminated soils using maize (Zea mays L.) assisted by plant growth-promoting rhizobacteria. Environmental Science and Pollution Research, 2014, 21, 9742-9753.	5.3	76
31	Studies on the diversity of arbuscular mycorrhizal fungi and the efficacy of two native isolates in a highly alkaline anthropogenic sediment. Mycorrhiza, 2005, 16, 23-31.	2.8	74
32	Cadmium Removal by Two Strains of Desmodesmus pleiomorphus Cells. Water, Air, and Soil Pollution, 2010, 208, 17-27.	2.4	74
33	Constructed wetland with a polyculture of ornamental plants for wastewater treatment at a rural tourism facility. Ecological Engineering, 2015, 79, 1-7.	3.6	74
34	Use of the microalga Scenedesmus obliquus to remove cadmium cations from aqueous solutions. World Journal of Microbiology and Biotechnology, 2009, 25, 1573-1578.	3.6	72
35	Biosorption of zinc ions from aqueous solution by the microalga Scenedesmus obliquus. Environmental Chemistry Letters, 2011, 9, 169-176.	16.2	70
36	2-Fluorophenol degradation by aerobic granular sludge in a sequencing batch reactor. Water Research, 2011, 45, 6745-6752.	11.3	67

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37	Synergistic effect of Glomus intraradices and Frankia spp. on the growth and stress recovery of Alnus glutinosa in an alkaline anthropogenic sediment. Chemosphere, 2005, 60, 1462-1470.	8.2	66
38	Zinc accumulation in Solanum nigrum is enhanced by different arbuscular mycorrhizal fungi. Chemosphere, 2006, 65, 1256-1263.	8.2	66
39	Arsenic, lead and nickel accumulation in Rubus ulmifolius growing in contaminated soil in Portugal. Journal of Hazardous Materials, 2009, 165, 174-179.	12.4	66
40	The effect of ectomycorrhizal fungi forming symbiosis with Pinus pinaster seedlings exposed to cadmium. Science of the Total Environment, 2012, 414, 63-67.	8.0	66
41	Isolation and properties of a pure bacterial strain capable of fluorobenzene degradation as sole carbon and energy source. Environmental Microbiology, 2005, 7, 294-298.	3.8	63
42	Solanum nigrum grown in contaminated soil: Effect of arbuscular mycorrhizal fungi on zinc accumulation and histolocalisation. Environmental Pollution, 2007, 145, 691-699.	7.5	62
43	Isolation and Initial Characterization of a Bacterial Consortium Able To Mineralize Fluorobenzene. Applied and Environmental Microbiology, 2002, 68, 102-105.	3.1	59
44	Remediation of Heavy Metal Contaminated Soils: An Overview of Site Remediation Techniques. Critical Reviews in Environmental Science and Technology, 2011, 41, 879-914.	12.8	59
45	Calcium phosphate-based materials of natural origin showing photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 6452.	10.3	57
46	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. International Biodeterioration and Biodegradation, 2016, 115, 277-285.	3.9	57
47	Effect of lipid supplements on the production and glycosylation of recombinant interferon-? expressed in CHO cells. Cytotechnology, 1994, 15, 209-215.	1.6	55
48	Application of manure and compost to contaminated soils and its effect on zinc accumulation by Solanum nigrum inoculated with arbuscular mycorrhizal fungi. Environmental Pollution, 2008, 151, 608-620.	7.5	54
49	Fluoroquinolones biosorption onto microbial biomass: activated sludge and aerobic granular sludge. International Biodeterioration and Biodegradation, 2016, 110, 53-60.	3.9	54
50	Enantioselective biodegradation of pharmaceuticals, alprenolol and propranolol, by an activated sludge inoculum. Ecotoxicology and Environmental Safety, 2013, 87, 108-114.	6.0	53
51	Enantiomeric fraction evaluation of pharmaceuticals in environmental matrices by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1363, 226-235.	3.7	52
52	Mapping the Flowering of an Invasive Plant Using Unmanned Aerial Vehicles: Is There Potential for Biocontrol Monitoring?. Frontiers in Plant Science, 2018, 9, 293.	3.6	52
53	EDDS and EDTA-enhanced zinc accumulation by solanum nigrum inoculated with arbuscular mycorrhizal fungi grown in contaminated soil. Chemosphere, 2008, 70, 1002-1014.	8.2	50
54	Mine land valorization through energy maize production enhanced by the application of plant growth-promoting rhizobacteria and arbuscular mycorrhizal fungi. Environmental Science and Pollution Research, 2016, 23, 6940-6950.	5.3	50

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55	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. Journal of Hazardous Materials, 2015, 287, 93-101.	12.4	49
56	Bacterial community dynamics within an aerobic granular sludge reactor treating wastewater loaded with pharmaceuticals. Ecotoxicology and Environmental Safety, 2018, 147, 905-912.	6.0	49
57	Biotreatment of Industrial Wastewaters under Transient-State Conditions: Process Stability with Fluctuations of Organic Load, Substrates, Toxicants, and Environmental Parameters. Critical Reviews in Environmental Science and Technology, 2010, 40, 147-197.	12.8	48
58	Bioconversion of oleuropein to hydroxytyrosol by lactic acid bacteria. World Journal of Microbiology and Biotechnology, 2012, 28, 2435-2440.	3.6	48
59	Enantioselective biodegradation of fluoxetine by the bacterial strain Labrys portucalensis F11. Chemosphere, 2014, 111, 103-111.	8.2	48
60	Enantioselective quantification of fluoxetine and norfluoxetine by HPLC in wastewater effluents. Chemosphere, 2014, 95, 589-596.	8.2	47
61	COVID-19: the impact of a global crisis on sustainable development research. Sustainability Science, 2021, 16, 85-99.	4.9	46
62	Enantioselective HPLC analysis and biodegradation of atenolol, metoprolol and fluoxetine. Environmental Chemistry Letters, 2013, 11, 83-90.	16.2	45
63	Metal(loid)-Contaminated Soils as a Source of Culturable Heterotrophic Aerobic Bacteria for Remediation Applications. Geomicrobiology Journal, 2017, 34, 760-768.	2.0	44
64	Biodegradation of p-nitrophenol by microalgae. Journal of Applied Phycology, 2003, 15, 137-142.	2.8	43
65	Characterization of Desmodesmus pleiomorphus isolated from a heavy metal-contaminated site: biosorption of zinc. Biodegradation, 2009, 20, 629-641.	3.0	43
66	Chryseobacterium palustre sp. nov. and Chryseobacterium humi sp. nov., isolated from industrially contaminated sediments. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 402-407.	1.7	42
67	Ectomycorrhizal fungi as an alternative to the use of chemical fertilisers in nursery production of Pinus pinaster. Journal of Environmental Management, 2012, 95, S269-S274.	7.8	42
68	Quantification of fluoroquinolones in wastewaters by liquid chromatography-tandem mass spectrometry. Environmental Pollution, 2020, 259, 113927.	7.5	42
69	A GAC biofilm reactor for the continuous degradation of 4-chlorophenol: treatment efficiency and microbial analysis. Applied Microbiology and Biotechnology, 2001, 57, 419-426.	3.6	41
70	Different native arbuscular mycorrhizal fungi influence the coexistence of two plant species in a highly alkaline anthropogenic sediment. Plant and Soil, 2006, 287, 209-221.	3.7	41
71	Photocatalytic Degradation of Diclofenac by Hydroxyapatiteâ€“TiO2 Composite Material: Identification of Transformation Products and Assessment of Toxicity. Materials, 2018, 11, 1779.	2.9	41
72	Degradation of Fluorobenzene by Rhizobiales Strain F11 via ortho Cleavage of 4-Fluorocatechol and Catechol. Applied and Environmental Microbiology, 2006, 72, 7413-7417.	3.1	40

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73	Biodiversity in urban ecosystems: Plants and macromycetes as indicators for conservation planning in the city of Coimbra (Portugal). Landscape and Urban Planning, 2012, 106, 88-102.	7.5	40
74	Capacity of simultaneous removal of zinc and cadmium from contaminated media, by two microalgae isolated from a polluted site. Environmental Chemistry Letters, 2011, 9, 511-517.	16.2	39
75	Chiral Analysis of Pesticides and Drugs of Environmental Concern: Biodegradation and Enantiomeric Fraction. Symmetry, 2017, 9, 196.	2.2	39
76	Carbamazepine is degraded by the bacterial strain Labrys portucalensis F11. Science of the Total Environment, 2019, 690, 739-747.	8.0	39
77	Plant Growthâ€“Promoting Rhizobacteria-Assisted Phytoremediation of Mine Soils. , 2018, , 281-295.		38
78	Promotion of sunflower growth under saline water irrigation by the inoculation of beneficial microorganisms. Applied Soil Ecology, 2016, 105, 36-47.	4.3	36
79	Selection of metal resistant plant growth promoting rhizobacteria for the growth and metal accumulation of energy maize in a mine soil â€" Effect of the inoculum size. Geoderma, 2016, 278, 1-11.	5.1	36
80	Removal of heavy metals using different polymer matrixes as support for bacterial immobilisation. Journal of Hazardous Materials, 2011, 191, 277-286.	12.4	35
81	Adsorption of fluorobenzene onto granular activated carbon: Isotherm and bioavailability studies. Bioresource Technology, 2007, 98, 3424-3430.	9.6	34
82	Isolation and characterization of a Rhodococcus strain able to degrade 2-fluorophenol. Applied Microbiology and Biotechnology, 2012, 95, 511-520.	3.6	33
83	A genotype dependent-response to cadmium contamination in soil is displayed by Pinus pinaster in symbiosis with different mycorrhizal fungi. Applied Soil Ecology, 2014, 76, 7-13.	4.3	33
84	Long-term stability of a non-adapted aerobic granular sludge process treating fish canning wastewater associated to EPS producers in the core microbiome. Science of the Total Environment, 2021, 756, 144007.	8.0	33
85	Heavy Metal Accumulation in Plant Species Indigenous to a Contaminated Portuguese Site: Prospects for Phytoremediation. Water, Air, and Soil Pollution, 2011, 221, 377-389.	2.4	32
86	Enantioselective degradation of ofloxacin and levofloxacin by the bacterial strains Labrys portucalensis F11 and Rhodococcus sp. FP1. Ecotoxicology and Environmental Safety, 2018, 155, 144-151.	6.0	32
87	Effects of soil sterilization and metal spiking in plant growth promoting rhizobacteria selection for phytotechnology purposes. Geoderma, 2019, 334, 72-81.	5.1	32
88	Does public awareness about invasive plants pays off? An analysis of knowledge and perceptions of environmentally aware citizens in Portugal. Biological Invasions, 2020, 22, 2267-2281.	2.4	32
89	Investigations into the application of a combination of bioventing and biotrickling filter technologies for soil decontamination processesâ€"A transition regime between bioventing and soil vapour extraction. Journal of Hazardous Materials, 2009, 170, 711-715.	12.4	31
90	Constructed Wetlands for Tannery Wastewater Treatment in Portugal: Ten Years of Experience. International Journal of Phytoremediation, 2014, 16, 859-870.	3.1	31

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91	Vegetation reflectance spectroscopy for biomonitoring of heavy metal pollution in urban soils. Environmental Pollution, 2018, 243, 1912-1922.	7.5	31
92	Direct metabolic fingerprinting of commercial herbal tinctures by nuclear magnetic resonance spectroscopy and mass spectrometry. Phytochemical Analysis, 2009, 20, 328-334.	2.4	30
93	Valuing native ectomycorrhizal fungi as a Mediterranean forestry component for sustainable and innovative solutions. Botany, 2014, 92, 161-171.	1.0	30
94	Legume Biofortification and the Role of Plant Growth-Promoting Bacteria in a Sustainable Agricultural Era. Agronomy, 2020, 10, 435.	3.0	30
95	Labrys portucalensis sp. nov., a fluorobenzene-degrading bacterium isolated from an industrially contaminated sediment in northern Portugal. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 692-698.	1.7	29
96	Degradation of difluorobenzenes by the wild strain Labrys portucalensis. Biodegradation, 2012, 23, 653-662.	3.0	29
97	Biodegradation of fluoroanilines by the wild strain Labrys portucalensis. International Biodeterioration and Biodegradation, 2013, 80, 10-15.	3.9	29
98	Integrated liquid chromatography method in enantioselective studies: Biodegradation of ofloxacin by an activated sludge consortium. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1029-1030, 174-183.	2.3	29
99	Variability in the composition of extracellular polymeric substances from a full-scale aerobic granular sludge reactor treating urban wastewater. Journal of Environmental Chemical Engineering, 2020, 8, 104156.	6.7	29
100	Combined use of Pinus pinaster plus and inoculation with selected ectomycorrhizal fungi as an ecotechnology to improve plant performance. Ecological Engineering, 2012, 43, 95-103.	3.6	28
101	Chemical composition and antibacterial properties of stem and leaf extracts from Ginja cherry plant. Industrial Crops and Products, 2013, 43, 562-569.	5.2	28
102	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by Labrys portucalensis. Biodegradation, 2013, 24, 245-255.	3.0	27
103	Management of nursery practices for efficient ectomycorrhizal fungi application in the production of Quercus ilex. Symbiosis, 2010, 52, 125-131.	2.3	26
104	Reforestation of burned stands: The effect of ectomycorrhizal fungi on Pinus pinaster establishment. Soil Biology and Biochemistry, 2011, 43, 2115-2120.	8.8	26
105	Contributions to the design of rainwater harvesting systems in buildings with green roofs in a Mediterranean climate. Water Science and Technology, 2016, 73, 1842-1847.	2.5	26
106	Enrichment of microbial cultures able to degrade 1,3-dichloro-2-propanol: a comparison between batch and continuous methods. Biodegradation, 2002, 13, 211-220.	3.0	25
107	Aerobic and Anoxic Growth and Nitrate Removal Capacity of a Marine Denitrifying Bacterium Isolated from a Recirculation Aquaculture System. Microbial Ecology, 2008, 55, 107-118.	2.8	24
108	Bioaugmentation of a rotating biological contactor for degradation of 2-fluorophenol. Bioresource Technology, 2011, 102, 9300-9303.	9.6	24

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109	Trace and major element contents, microbial communities, and enzymatic activities of urban soils of Marrakech city along an anthropization gradient. Journal of Soils and Sediments, 2019, 19, 2153-2165.	3.0	24
110	Sludge volume index and suspended solids estimation of mature aerobic granular sludge by quantitative image analysis and chemometric tools. Separation and Purification Technology, 2020, 234, 116049.	7.9	24
111	CHO cell growth and recombinant interferon-? production: Effects of BSA, Pluronic and lipids. Cytotechnology, 1996, 19, 27-36.	1.6	23
112	Diverse Arbuscular Mycorrhizal Fungi (AMF) Communities Colonize Plants Inhabiting a Constructed Wetland for Wastewater Treatment. Water (Switzerland), 2019, 11, 1535.	2.7	23
113	A sustainable replacement for TiO2 in photocatalyst construction materials: Hydroxyapatite-based photocatalytic additives, made from the valorisation of food wastes of marine origin. Journal of Cleaner Production, 2018, 193, 115-127.	9.3	22
114	Microbial degradation of 17Î² -estradiol and 17Î± -ethinylestradiol followed by a validated HPLC-DAD method. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2010, 45, 265-273.	1.5	21
115	Biodegradation of Organic Xenobiotic Pollutants in the Rhizosphere. Plant Ecophysiology, 2011, , 191-215.	1.5	21
116	Characterization and antimicrobial properties of food packaging methylcellulose films containing stem extract of Ginja cherry. Journal of the Science of Food and Agriculture, 2014, 94, 2097-2103.	3.5	21
117	Simultaneous partial nitrification and 2-fluorophenol biodegradation with aerobic granular biomass: Reactor performance and microbial communities. Bioresource Technology, 2017, 238, 232-240.	9.6	21
118	Co-metabolic degradation of mono-fluorophenols by the ectomycorrhizal fungi Pisolithus tinctorius. Chemosphere, 2014, 111, 260-265.	8.2	20
119	Phytomining of Rare and Valuable Metals. , 2017, , 469-486.		20
120	Sequencing versus continuous granular sludge reactor for the treatment of freshwater aquaculture effluents. Water Research, 2021, 201, 117293.	11.3	20
121	Diversity and fruiting patterns of ectomycorrhizal and saprobic fungi as indicators of land-use severity in managed woodlands dominated by Quercus suberÂâ€" a case study from southern Portugal. Canadian Journal of Forest Research, 2009, 39, 2404-2417.	1.7	19
122	Titanium Dioxide Thin Films Deposited by Electric Fieldâ€Assisted CVD: Effect on Antimicrobial and Photocatalytic Properties^{**}. Chemical Vapor Deposition, 2015, 21, 63-70.	1.3	19
123	Dispersive liquidâ€"liquid microextraction and HPLC to analyse fluoxetine and metoprolol enantiomers in wastewaters. Environmental Chemistry Letters, 2015, 13, 203-210.	16.2	19
124	Isolation and Characterization of Polymeric Galloyl-Ester-Degrading Bacteria from a Tannery Discharge Place. Microbial Ecology, 2005, 50, 550-556.	2.8	18
125	Genetic, phenotypic and functional variation within a Glomus geosporum isolate cultivated with or without the stress of a highly alkaline anthropogenic sediment. Applied Soil Ecology, 2010, 45, 39-48.	4.3	18
126	Co-metabolic degradation of chlorobenzene by the fluorobenzene degrading wild strain Labrys portucalensis. International Biodeterioration and Biodegradation, 2012, 72, 76-81.	3.9	18

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127	Diversity and Persistence of Ectomycorrhizal Fungi and Their Effect on Nursery-Inoculated Pinus pinaster in a Post-fire Plantation in Northern Portugal. Microbial Ecology, 2014, 68, 761-772.	2.8	18
128	Increased extracellular polymeric substances production contributes for the robustness of aerobic granular sludge during long-term intermittent exposure to 2-fluorophenol in saline wastewater. Journal of Water Process Engineering, 2021, 40, 101977.	5.6	18
129	Isolation of a Xanthobacter sp. degrading dichloromethane and characterization of the gene involved in the degradation. Biodegradation, 2009, 20, 235-244.	3.0	17
130	Phytomanagement of Metal(loid)-Contaminated Soils: Options, Efficiency and Value. Frontiers in Environmental Science, 2021, 9, .	3.3	17
131	Environmental Fate of Chiral Pharmaceuticals: Determination, Degradation and Toxicity. Environmental Chemistry for A Sustainable World, 2012, , 3-45.	0.5	17
132	Biodegradation of 2-fluorobenzoate and dichloromethane under simultaneous and sequential alternating pollutant feeding. Water Research, 2008, 42, 3857-3869.	11.3	16
133	Polishing Domestic Wastewater on a Subsurface Flow Constructed Wetland: Organic Matter Removal and Microbial Monitoring. International Journal of Phytoremediation, 2011, 13, 947-958.	3.1	16
134	Toxicity of High Salinity Tannery Wastewater and Effects on Constructed Wetland Plants. International Journal of Phytoremediation, 2012, 14, 669-680.	3.1	16
135	Mycorrhizal symbiosis affected by different genotypes of Pinus pinaster. Plant and Soil, 2012, 359, 245-253.	3.7	16
136	Substrate influence on aromatic plant growth in extensive green roofs in a Mediterranean climate. Urban Ecosystems, 2017, 20, 1347-1357.	2.4	16
137	Performance of outdoor seawater treatment systems for recirculation in an intensive turbot (Scophthalmus maximus) farm. Aquaculture International, 2003, 11, 557-570.	2.2	15
138	Long-term performance and microbial dynamics of an up-flow fixed bed reactor established for the biodegradation of fluorobenzene. Applied Microbiology and Biotechnology, 2006, 71, 555-562.	3.6	15
139	Bioaugmentation for treating transient 4-fluorocinnamic acid shock loads in a rotating biological contactor. Bioresource Technology, 2013, 144, 554-562.	9.6	15
140	MALDI-TOF MS for the Identification of Cultivable Organic-Degrading Bacteria in Contaminated Groundwater near Unconventional Natural Gas Extraction Sites. Microorganisms, 2017, 5, 47.	3.6	15
141	Zinc Accumulation in Plant Species Indigenous to a Portuguese Polluted Site. Journal of Environmental Quality, 2007, 36, 646-653.	2.0	14
142	Culturable bacteria associated to the rhizosphere and tissues of Iris pseudacorus plants growing in a treatment wetland for winery wastewater discharge. Ecological Engineering, 2018, 115, 67-74.	3.6	14
143	Wastewater Valorization by Pure Bacterial Cultures to Extracellular Polymeric Substances (EPS) with High Emulsifying Potential and Flocculation Activities. Waste and Biomass Valorization, 2018, 9, 2557-2564.	3.4	14
144	A Two-Stage Process for Conversion of Brewerâ€™s Spent Grain into Volatile Fatty Acids through Acidogenic Fermentation. Applied Sciences (Switzerland), 2021, 11, 3222.	2.5	14

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145	Biodegradation of 2-fluorobenzoate in upflow fixed bed bioreactors operated with different growth support materials. Journal of Chemical Technology and Biotechnology, 2006, 81, 1577-1585.	3.2	13
146	Mineralization of 4-fluorocinnamic acid by a Rhodococcus strain. Applied Microbiology and Biotechnology, 2014, 98, 1893-1905.	3.6	13
147	Effect of diflubenzuron on the development of Pinus pinaster seedlings inoculated with the ectomycorrhizal fungus Pisolithus tinctorius. Environmental Science and Pollution Research, 2013, 20, 582-590.	5.3	12
148	Bacterial community dynamics in a rotating biological contactor treating 2-fluorophenol-containing wastewater. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 97-104.	3.0	12
149	Assessment of rhizospheric culturable bacteria of Phragmites australis and Juncus effusus from polluted sites. Journal of Basic Microbiology, 2015, 55, 1179-1190.	3.3	12
150	Growing substrates for aromatic plant species in green roofs and water runoff quality: pilot experiments in a Mediterranean climate. Water Science and Technology, 2017, 76, 1081-1089.	2.5	12
151	Valorization of wastewater from food industry: moving to a circular bioeconomy. Reviews in Environmental Science and Biotechnology, 2022, 21, 269-295.	8.1	12
152	Biological treatment of a contaminated gaseous emission from a paint and varnish plant?from laboratory studies to pilot-scale operation. Journal of Chemical Technology and Biotechnology, 2003, 78, 1201-1207.	3.2	11
153	The use of an oilâ€“absorberâ€“bioscrubber system during biodegradation of sequentially alternating loadings of 1,2-dichloroethane and fluorobenzene in a waste gas. Chemical Engineering Science, 2007, 62, 5989-6001.	3.8	11
154	Biological treatment of a contaminated gaseous emission from a leather industry in a suspended-growth bioreactor. Chemosphere, 2009, 74, 232-238.	8.2	11
155	High Added-Value Compounds with Antibacterial Properties from Ginja Cherries By-products. Waste and Biomass Valorization, 2010, 1, 209-217.	3.4	11
156	Characterization of the bacterial communities of aerobic granules in a 2-fluorophenol degrading process. Biotechnology Reports (Amsterdam, Netherlands), 2015, 5, 98-104.	4.4	11
157	Toxicity Abatement of Wastewaters from Tourism Units by Constructed Wetlands. Water (Switzerland), 2019, 11, 2623.	2.7	11
158	Treatment of halogenated organic compounds and monitoring of microbial dynamics in upâ€flow fixed bed reactors under sequentially alternating pollutant scenarios. Biotechnology and Bioengineering, 2008, 99, 800-810.	3.3	10
159	Development of flow injection potentiometric methods for the off-line and on-line determination of fluoride to monitor the biodegradation of a monofluorophenol in two bioreactors. Talanta, 2011, 84, 1291-1297.	5.5	10
160	A molecular and multivariate approach to the microbial community of a commercial shallow raceway marine recirculation system operating with a Moving Bed Biofilter. Aquaculture Research, 2011, 42, 1308-1322.	1.8	10
161	Solvent extraction of sodium chloride from codfish (Gadus morhua) salting processing wastewater. Desalination, 2011, 281, 42-48.	8.2	10
162	Characterisation of high added value compounds in wastewater throughout the salting process of codfish (Gadus morhua). Food Chemistry, 2011, 124, 1363-1368.	8.2	10

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163	Performance of an aerobic granular sequencing batch reactor fed with wastewaters contaminated with Zn2+. Journal of Environmental Management, 2013, 128, 877-882.	7.8	10
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