ConcepciÃ“n Calvo

List of Publications by Year
in descending order

60	1,919	236925 25	265206 42
papers	citations	h-index	g-index

64	64	64	1921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of bioemulsifiers in soil oil bioremediation processes. Future prospects. Science of the Total Environment, 2009, 407, 3634-3640.	8.0	196
2	Selection and identification of bacteria isolated from waste crude oil with polycyclic aromatic hydrocarbons removal capacities. Systematic and Applied Microbiology, 2006, 29, 244-252.	2.8	110
3	Characterization of exopolysaccharides produced by 19 halophilic strains of the species Halomonas eurihalina. Journal of Biotechnology, 1998, 61, 135-141.	3.8	106
4	Exopolysaccharide production byVolcaniella eurihalina. Experientia, 1993, 49, 1037-1041.	1.2	97
5	Bioremediation of diesel-polluted soil using biostimulation as post-treatment after oxidation with Fenton-like reagents: Assays in a pilot plant. Science of the Total Environment, 2013, 445-446, 347-355.	8.0	92
6	Yield production, chemical composition, and functional properties of emulsifier H28 synthesized by Halomonas eurihalina strain H-28 in media containing various hydrocarbons. Applied Microbiology and Biotechnology, 2002, 58, 358-363.	3.6	81
7	Characteristics of bioemulsifiers synthesised in crude oil media by Halomonas eurihalina and their effectiveness in the isolation of bacteria able to grow in the presence of hydrocarbons. Applied Microbiology and Biotechnology, 2002, 60, 347-351.	3.6	75
8	Effect of cations, pH and sulfate content on the viscosity and emulsifying activity of the Halomonas eurihalina exopolysaccharide. Journal of Industrial Microbiology and Biotechnology, 1998, 20, 205-209.	3.0	71
9	Response of autochthonous microbiota of diesel polluted soils to land-farming treatments. Environmental Research, 2015, 137, 49-58.	7.5	67
10	Identification of Bacteria Isolated from an Oligotrophic Lake with Pesticide Removal Capacities. Ecotoxicology, 2005, 14, 299-312.	2.4	66
11	Characteristics of bioemulsifier V2-7 synthesized in culture media added of hydrocarbons: Chemical composition, emulsifying activity and rheological properties. Bioresource Technology, 2007, 98, 3130-3135.	9.6	63
12	Surfactant activity of a naphthalene degrading Bacillus pumilus strain isolated from oil sludge. Journal of Biotechnology, 2004, 109, 255-262.	3.8	60
13	Production of bioemulsifier by Bacillus subtilis, Alcaligenes faecalis and Enterobacter species in liquid culture. Bioresource Technology, 2008, 99, 8470-8475.	9.6	56
14	Evolution of the composting process with semi-permeable film technology at industrial scale. Journal of Cleaner Production, 2016, 115, 245-254.	9.3	53
15	Application of selected microbial consortia combined with inorganic and oleophilic fertilizers to recuperate oil-polluted soil using land farming technology. Clean Technologies and Environmental Policy, 2012, 14, 719-726.	4.1	51
16	Efficiency of the EPS emulsifier produced by Ochrobactrum anthropi in different hydrocarbon bioremediation assays. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1493-1501.	3.0	47
17	Assessment of bacterial and fungal communities in a full-scale thermophilic sewage sludge composting pile under a semipermeable cover. Bioresource Technology, 2020, 298, 122550.	9.6	46
18	Some rheological properties of the extracellular polysaccharide produced byVolcaniella eurihalina F2-7. Applied Biochemistry and Biotechnology, 1995, 55, 45-54.	2.9	45

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19	TGGE analysis of the diversity of ammonia-oxidizing and denitrifying bacteria in submerged filter biofilms for the treatment of urban wastewater. Applied Microbiology and Biotechnology, 2006, 72, 393-400.	3.6	42
20	Moderately Halophilic, Exopolysaccharide-Producing Bacteria. , 2004, , 297-314.		38
21	Effect of growth conditions on the rheological properties and chemical composition ofVolcaniella eurihalina exopolysaccharide. Applied Biochemistry and Biotechnology, 1996, 59, 77-86.	2.9	34
22	Sewage sludge composting under semi-permeable film at full-scale: Evaluation of odour emissions and relationships between microbiological activities and physico-chemical variables. Environmental Research, 2019, 177, 108624.	7.5	33
23	Effect of semi-permeable cover system on the bacterial diversity during sewage sludge composting. Journal of Environmental Management, 2018, 215, 57-67.	7.8	30
24	Biodegradative potential and characterization of bioemulsifiers of marine bacteria isolated from samples of seawater, sediment and fuel extracted at 4000Âm of depth (Prestige wreck). International Biodeterioration and Biodegradation, 2010, 64, 511-518.	3.9	28
25	Autochthonous microbial responses and hydrocarbons degradation in polluted soil during biostimulating treatments under different soil moisture. Assay in pilot plant. International Biodeterioration and Biodegradation, 2016, 108, 91-98.	3.9	28
26	Isolation and characterization of phage F9-11 from a lysogenicDeleya halophila strain. Current Microbiology, 1988, 17, 49-53.	2.2	27
27	Influence of pesticides and herbicides presence on phosphatase activity and selected bacterial microbiota of a natural lake system. Ecotoxicology, 2006, 15, 487-493.	2.4	23
28	Treatment of diesel-polluted clay soil employing combined biostimulation in microcosms. International Journal of Environmental Science and Technology, 2012, 9, 535-542.	3.5	23
29	Assessment of the diversity and abundance of the total and active fungal population and its correlation with humification during two-phase olive mill waste (â€˜â€˜alperujoâ€) composting. Bioresource Technology, 2020, 295, 122267.	9.6	19
30	Reverse osmosis seawater desalination: current status of membrane systems. Desalination and Water Treatment, 2015, 56, 849-861.	1.0	18
31	Enzymatic Potential of Bacteria and Fungi Isolates from the Sewage Sludge Composting Process. Applied Sciences (Switzerland), 2020, 10, 7763.	2.5	16
32	Studies on the effects of the insecticide aldrin on aquatic microbial populations. International Biodeterioration and Biodegradation, 2002, 50, 83-87.	3.9	15
33	Production of bacteriocin-like substances byYersinia frederiksenii, Y. kristensenii, andY. intermedia strains. Folia Microbiologica, 1986, 31, 177-186.	2.3	14
34	Genome Sequence of Arthrobacter siccitolerans 4J27, a Xeroprotectant-Producing Desiccation-Tolerant Microorganism. Genome Announcements, 2014, 2, .	0.8	13
35	Biostimulation of crude oil-polluted soils: influence of initial physicochemical and biological characteristics of soil. International Journal of Environmental Science and Technology, 2019, 16, 4925-4934.	3.5	13
36	New waterborne bacteriophages active on Yersinia enterocolitica. Applied and Environmental Microbiology, 1981, 42, 35-38.	3.1	12

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37	Evaluation of the Potential of Sewage Sludge Mycobiome to Degrade High Diclofenac and Bisphenol-A Concentrations. Toxics, 2021, 9, 115.	3.7	11
38	Biodegradation and Absorption Technology for Hydrocarbon-Polluted Water Treatment. Applied Sciences (Switzerland), 2020, 10, 841.	2.5	9
39	Arsenic Uptake and Accumulation in Curly Endives (Cichorium endivia L .) Irrigated with Contaminated Water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 459-470.	1.5	7
40	Genome Sequence of Leucobacter sp . 4J7B1, a Plant-Osmoprotectant Soil Microorganism. Genome Announcements, 2015, 3, .	0.8	7
41	In vitro susceptibility of Yersinia kristensenii strains to Î²-lactam antibiotics. Annales De L'Institut Pasteur Microbiologie, 1986, 137, 169-177.	0.6	6
42	Effect of Composting Under Semipermeable Film on the Sewage Sludge Virome. Microbial Ecology, 2019, 78, 895-903.	2.8	6
43	Precipitation of Struvite in Urine Medium by Urease-Positive and Urease-NegativeYersiniaStrains. Urologia Internationalis, 1990, 45, 298-301.	1.3	5
44	A comparative study of adhesion by bacterial isolates of marine origin. International Biodeterioration and Biodegradation, 2017, 123, 87-95.	3.9	5
45	High-Throughput Microbial Community Analyses to Establish a Natural Fungal and Bacterial Consortium from Sewage Sludge Enriched with Three Pharmaceutical Compounds. Journal of Fungi (Basel, Switzerland), 2022, 8, 668.	3.5	5
46	Behaviour of two D. halophila bacteriophages with respect to salt concentrations and other environmental factors. Toxicological and Environmental Chemistry, 1994, 43, 85-93.	1.2	4
47	Capacity of Hydrophobic Carriers to Form Biofilm for Removing Hydrocarbons from Polluted Industrial Wastewater: Assay in Microcosms. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	4
48	Antagonism betweenYersinia intermedia andYersinia enterocolitica in water. Folia Microbiologica, 1986, 31, 167-173.	2.3	3
49	Strutive crystal precipitation by different phenotypes ofYersinia. Folia Microbiologica, 1989, 34, 485-489.	2.3	3
50	Isolation of phages HM5 and HM15 from hypersaline soil. Toxicological and Environmental Chemistry, 1991, 34, 29-37.	1.2	3
51	Fecal coliform-related bacterial and coliphage populations in five lakes of southeastern Spain. Microbiological Research, 1998, 153, 283-288.	5.3	3
52	Antibiotic resistance patterns of coliforms isolated from six protected wetlands in the Southeast of Spain. Folia Microbiologica, 2000, 45, 555-560.	2.3	3
53	Novel Membrane Materials for Reverse Osmosis Desalination. Hydrology Current Research, 2014, 05, .	0.4	3
54	Production index: A new index to evaluate EPSs as surfactants and bioemulsifiers applied to Halomonas variabilis strain W10 for hydrocarbon bioremediation. Ecotoxicology and Environmental Safety, 2019, 175, 66-73.	6.0	2

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55	Bioremediation of Polycyclic Aromatic Hydrocarbons (PAHs) Contaminated Soil Through Fungal Communities. Fungal Biology, 2019, , 217-236.	0.6	2
56	Biostimulation combined treatments for remediation of diesel contaminated soil. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	2
57	Assessment of the antioxidative response and culturable micro-organisms of Lygeum spartum Loefl. ex L. for prospective phytoremediation applications. International Journal of Phytoremediation, 2023, 25, 293-304.	3.1	2
58	Design of Bio-Absorbent Systems for the Removal of Hydrocarbons from Industrial Wastewater: Pilot-Plant Scale. Toxics, 2021, 9, 162.	3.7	1
59	New isolation method of desiccation-tolerant microorganisms for the bioremediation of arid and semiarid soils. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	1
60	When can surfactants enhance hydrocarbon biodegradation in oil biotreatments?. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	0