

# Concepción Calvo

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,919  
citations

236833

25  
h-index

265120

42  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of bioemulsifiers in soil oil bioremediation processes. Future prospects. <i>Science of the Total Environment</i> , 2009, 407, 3634-3640.	3.9	196
2	Selection and identification of bacteria isolated from waste crude oil with polycyclic aromatic hydrocarbons removal capacities. <i>Systematic and Applied Microbiology</i> , 2006, 29, 244-252.	1.2	110
3	Characterization of exopolysaccharides produced by 19 halophilic strains of the species <i>Halomonas eurihalina</i> . <i>Journal of Biotechnology</i> , 1998, 61, 135-141.	1.9	106
4	Exopolysaccharide production by <i>Volcaniella eurihalina</i> . <i>Experientia</i> , 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. <i>Science of the Total Environment</i> , 2013, 445-446, 347-355.	3.9	92
6	Yield production, chemical composition, and functional properties of emulsifier H28 synthesized by <i>Halomonas eurihalina</i> strain H-28 in media containing various hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 358-363.	1.7	81
7	Characteristics of bioemulsifiers synthesised in crude oil media by <i>Halomonas eurihalina</i> and their effectiveness in the isolation of bacteria able to grow in the presence of hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2002, 60, 347-351.	1.7	75
8	Effect of cations, pH and sulfate content on the viscosity and emulsifying activity of the <i>Halomonas eurihalina</i> exopolysaccharide. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1998, 20, 205-209.	1.4	71
9	Response of autochthonous microbiota of diesel polluted soils to land-farming treatments. <i>Environmental Research</i> , 2015, 137, 49-58.	3.7	67
10	Identification of Bacteria Isolated from an Oligotrophic Lake with Pesticide Removal Capacities. <i>Ecotoxicology</i> , 2005, 14, 299-312.	1.1	66
11	Characteristics of bioemulsifier V2-7 synthesized in culture media added of hydrocarbons: Chemical composition, emulsifying activity and rheological properties. <i>Bioresource Technology</i> , 2007, 98, 3130-3135.	4.8	63
12	Surfactant activity of a naphthalene degrading <i>Bacillus pumilus</i> strain isolated from oil sludge. <i>Journal of Biotechnology</i> , 2004, 109, 255-262.	1.9	60
13	Production of bioemulsifier by <i>Bacillus subtilis</i> , <i>Alcaligenes faecalis</i> and <i>Enterobacter</i> species in liquid culture. <i>Bioresource Technology</i> , 2008, 99, 8470-8475.	4.8	56
14	Evolution of the composting process with semi-permeable film technology at industrial scale. <i>Journal of Cleaner Production</i> , 2016, 115, 245-254.	4.6	53
15	Application of selected microbial consortia combined with inorganic and oleophilic fertilizers to recuperate oil-polluted soil using land farming technology. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 719-726.	2.1	51
16	Efficiency of the EPS emulsifier produced by <i>Ochrobactrum anthropi</i> in different hydrocarbon bioremediation assays. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1493-1501.	1.4	47
17	Assessment of bacterial and fungal communities in a full-scale thermophilic sewage sludge composting pile under a semipermeable cover. <i>Bioresource Technology</i> , 2020, 298, 122550.	4.8	46
18	Some rheological properties of the extracellular polysaccharide produced by <i>Volcaniella eurihalina</i> F2-7. <i>Applied Biochemistry and Biotechnology</i> , 1995, 55, 45-54.	1.4	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. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 393-400.	1.7	42
20	Moderately Halophilic, Exopolysaccharide-Producing Bacteria. , 2004, , 297-314.		38
21	Effect of growth conditions on the rheological properties and chemical composition of <i>Volcaniella eurihalina</i> exopolysaccharide. <i>Applied Biochemistry and Biotechnology</i> , 1996, 59, 77-86.	1.4	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. <i>Environmental Research</i> , 2019, 177, 108624.	3.7	33
23	Effect of semi-permeable cover system on the bacterial diversity during sewage sludge composting. <i>Journal of Environmental Management</i> , 2018, 215, 57-67.	3.8	30
24	Biodegradative potential and characterization of bioemulsifiers of marine bacteria isolated from samples of seawater, sediment and fuel extracted at 4000m of depth (Prestige wreck). <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 511-518.	1.9	28
25	Autochthonous microbial responses and hydrocarbons degradation in polluted soil during biostimulating treatments under different soil moisture. Assay in pilot plant. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 91-98.	1.9	28
26	Isolation and characterization of phage F9-11 from a lysogenic <i>Deleya halophila</i> strain. <i>Current Microbiology</i> , 1988, 17, 49-53.	1.0	27
27	Influence of pesticides and herbicides presence on phosphatase activity and selected bacterial microbiota of a natural lake system. <i>Ecotoxicology</i> , 2006, 15, 487-493.	1.1	23
28	Treatment of diesel-polluted clay soil employing combined biostimulation in microcosms. <i>International Journal of Environmental Science and Technology</i> , 2012, 9, 535-542.	1.8	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 (alperujo) composting. <i>Bioresource Technology</i> , 2020, 295, 122267.	4.8	19
30	Reverse osmosis seawater desalination: current status of membrane systems. <i>Desalination and Water Treatment</i> , 2015, 56, 849-861.	1.0	18
31	Enzymatic Potential of Bacteria and Fungi Isolates from the Sewage Sludge Composting Process. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7763.	1.3	16
32	Studies on the effects of the insecticide aldrin on aquatic microbial populations. <i>International Biodeterioration and Biodegradation</i> , 2002, 50, 83-87.	1.9	15
33	Production of bacteriocin-like substances by <i>Yersinia frederiksenii</i> , <i>Y. kristensenii</i> , and <i>Y. intermedia</i> strains. <i>Folia Microbiologica</i> , 1986, 31, 177-186.	1.1	14
34	Genome Sequence of <i>Arthrobacter siccitolerans</i> 4J27, a Xeroprotectant-Producing Desiccation-Tolerant Microorganism. <i>Genome Announcements</i> , 2014, 2, .	0.8	13
35	Biostimulation of crude oil-polluted soils: influence of initial physicochemical and biological characteristics of soil. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4925-4934.	1.8	13
36	New waterborne bacteriophages active on <i>Yersinia enterocolitica</i> . <i>Applied and Environmental Microbiology</i> , 1981, 42, 35-38.	1.4	12

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37	Evaluation of the Potential of Sewage Sludge Mycobiome to Degrade High Diclofenac and Bisphenol-A Concentrations. <i>Toxics</i> , 2021, 9, 115.	1.6	11
38	Biodegradation and Absorption Technology for Hydrocarbon-Polluted Water Treatment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 841.	1.3	9
39	Arsenic Uptake and Accumulation in Curly Endives ( <i>Cichorium endivia L.</i> ) Irrigated with Contaminated Water. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006, 41, 459-470.	0.7	7
40	Genome Sequence of <i>Leucobacter</i> sp . 4J7B1, a Plant-Osmoprotectant Soil Microorganism. <i>Genome Announcements</i> , 2015, 3, .	0.8	7
41	In vitro susceptibility of <i>Yersinia kristensenii</i> strains to $\beta$ -lactam antibiotics. <i>Annales De L'Institut Pasteur Microbiologie</i> , 1986, 137, 169-177.	0.8	6
42	Effect of Composting Under Semipermeable Film on the Sewage Sludge Virome. <i>Microbial Ecology</i> , 2019, 78, 895-903.	1.4	6
43	Precipitation of Struvite in Urine Medium by Urease-Positive and Urease-Negative <i>Yersinia</i> Strains. <i>Urologia Internationalis</i> , 1990, 45, 298-301.	0.6	5
44	A comparative study of adhesion by bacterial isolates of marine origin. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 87-95.	1.9	5
45	High-Throughput Microbial Community Analyses to Establish a Natural Fungal and Bacterial Consortium from Sewage Sludge Enriched with Three Pharmaceutical Compounds. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 668.	1.5	5
46	Behaviour of two <i>D. halophila</i> bacteriophages with respect to salt concentrations and other environmental factors. <i>Toxicological and Environmental Chemistry</i> , 1994, 43, 85-93.	0.6	4
47	Capacity of Hydrophobic Carriers to Form Biofilm for Removing Hydrocarbons from Polluted Industrial Wastewater: Assay in Microcosms. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	4
48	Antagonism between <i>Yersinia intermedia</i> and <i>Yersinia enterocolitica</i> in water. <i>Folia Microbiologica</i> , 1986, 31, 167-173.	1.1	3
49	Struvite crystal precipitation by different phenotypes of <i>Yersinia</i> . <i>Folia Microbiologica</i> , 1989, 34, 485-489.	1.1	3
50	Isolation of phages HM5 and HM15 from hypersaline soil. <i>Toxicological and Environmental Chemistry</i> , 1991, 34, 29-37.	0.6	3
51	Fecal coliform-related bacterial and coliphage populations in five lakes of southeastern Spain. <i>Microbiological Research</i> , 1998, 153, 283-288.	2.5	3
52	Antibiotic resistance patterns of coliforms isolated from six protected wetlands in the Southeast of Spain. <i>Folia Microbiologica</i> , 2000, 45, 555-560.	1.1	3
53	Novel Membrane Materials for Reverse Osmosis Desalination. <i>Hydrology Current Research</i> , 2014, 05, .	0.4	3
54	Production index: A new index to evaluate EPSs as surfactants and bioemulsifiers applied to <i>Halomonas variabilis</i> strain W10 for hydrocarbon bioremediation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 66-73.	2.9	2

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55	Bioremediation of Polycyclic Aromatic Hydrocarbons (PAHs) Contaminated Soil Through Fungal Communities. <i>Fungal Biology</i> , 2019, , 217-236.	0.3	2
56	Biostimulation combined treatments for remediation of diesel contaminated soil. <i>WIT Transactions on Ecology and the Environment</i> , 2010, , .	0.0	2
57	Assessment of the antioxidative response and culturable micro-organisms of <i>Lygeum spartum</i> Loefl. ex L. for prospective phytoremediation applications. <i>International Journal of Phytoremediation</i> , 2023, 25, 293-304.	1.7	2
58	Design of Bio-Absorbent Systems for the Removal of Hydrocarbons from Industrial Wastewater: Pilot-Plant Scale. <i>Toxics</i> , 2021, 9, 162.	1.6	1
59	New isolation method of desiccation-tolerant microorganisms for the bioremediation of arid and semiarid soils. <i>WIT Transactions on Ecology and the Environment</i> , 2010, , .	0.0	1
60	When can surfactants enhance hydrocarbon biodegradation in oil biotreatments?. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	0