

Alejandro Alarcón

List of Publications by Year in descending order

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50
papers

852
citations

471061

17
h-index

500791

28
g-index

52
all docs

52
docs citations

52
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioleaching of gold, copper and nickel from waste cellular phone PCBs and computer goldfinger motherboards by two <i>Aspergillus niger</i> strains. Brazilian Journal of Microbiology, 2015, 46, 707-713.	0.8	81
2	Arbuscular Mycorrhiza and Petroleum-Degrading Microorganisms Enhance Phytoremediation of Petroleum-Contaminated Soil. International Journal of Phytoremediation, 2008, 10, 251-263.	1.7	71
3	Arbuscular mycorrhizal fungi on growth, nutrient status, and total antioxidant activity of <i>Melilotus albus</i> during phytoremediation of a diesel-contaminated substrate. Journal of Environmental Management, 2012, 95, S319-S324.	3.8	49
4	Tolerance and growth of 11 <i>Trichoderma</i> strains to crude oil, naphthalene, phenanthrene and benzo[a]pyrene. Journal of Environmental Management, 2012, 95, S291-S299.	3.8	48
5	Short-Term Effects of Arsenate-Induced Toxicity on Growth, Chlorophyll and Carotenoid Contents, and Total Content of Phenolic Compounds of <i>Ázolla filiculoides</i> . Water, Air, and Soil Pollution, 2011, 217, 455-462.	1.1	42
6	Arbuscular mycorrhizal fungi enhance tolerance of vinca to high alkalinity in irrigation water. Scientia Horticulturae, 2008, 115, 275-284.	1.7	38
7	Arbuscular mycorrhizal fungi in chronically petroleum-contaminated soils in Mexico and the effects of petroleum hydrocarbons on spore germination. Journal of Basic Microbiology, 2007, 47, 378-383.	1.8	37
8	Microbial Bioleaching of Ag, Au and Cu from Printed Circuit Boards of Mobile Phones. Current Microbiology, 2019, 76, 536-544.	1.0	35
9	Arbuscular mycorrhizal fungi and potassium bicarbonate enhance the foliar content of the vinblastine alkaloid in <i>Catharanthus roseus</i> . Plant and Soil, 2011, 349, 367-376.	1.8	34
10	Efectividad de siete consorcios nativos de hongos micorrízicos arbusculares en plantas de café en condiciones de invernadero y campo. Revista Chilena De Historia Natural, 2011, 84, 23-31.	0.5	33
11	Diesel degradation by emulsifying bacteria isolated from soils polluted with weathered petroleum hydrocarbons. Applied Soil Ecology, 2017, 121, 127-134.	2.1	32
12	Native communities of arbuscular mycorrhizal fungi associated with <i>Capsicum annuum</i> L. respond to soil properties and agronomic management under field conditions. Agriculture, Ecosystems and Environment, 2017, 245, 43-51.	2.5	28
13	Research on arbuscular mycorrhizae in Mexico: an historical synthesis and future prospects. Symbiosis, 2012, 57, 111-126.	1.2	26
14	Multitrophic interactions between maize mycorrhizas, the root feeding insect <i>Phyllophaga vetula</i> and the entomopathogenic fungus <i>Beauveria bassiana</i> . Applied Soil Ecology, 2017, 115, 38-43.	2.1	25
15	Controlled Release Fertilizer Increased Phytoremediation of Petroleum-Contaminated Sandy Soil. International Journal of Phytoremediation, 2014, 16, 285-301.	1.7	24
16	Arbuscular Mycorrhizal Fungi Enhance Tolerance of <i>Rosa multiflora</i> cv. Burr to Bicarbonate in Irrigation Water. Journal of Plant Nutrition, 2007, 30, 1517-1540.	0.9	23
17	Morphological development of sclerotia by <i>Sclerotinia sclerotiorum</i> : a view from light and scanning electron microscopy. Annals of Microbiology, 2015, 65, 765-770.	1.1	21
18	Enhanced Pb Absorption by <i>Hordeum vulgare</i> L. and <i>Helianthus annuus</i> L. Plants Inoculated with an Arbuscular Mycorrhizal Fungi Consortium. International Journal of Phytoremediation, 2015, 17, 405-413.	1.7	18

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19	Arbuscular mycorrhizal fungi alleviate growth of <i>Ulmus parvifolia</i> Jacq. at suboptimal planting depths. <i>Scientia Horticulturae</i> , 2012, 144, 74-80.	1.7	16
20	Identification of culturable microbial functional groups isolated from the rhizosphere of four species of mangroves and their biotechnological potential. <i>Applied Soil Ecology</i> , 2014, 82, 1-10.	2.1	16
21	Biocrusts, inside and outside resource islands of <i>Mimosa luisana</i> (Leguminosae), improve soil carbon and nitrogen dynamics in a tropical semiarid ecosystem. <i>European Journal of Soil Biology</i> , 2016, 74, 93-103.	1.4	16
22	Species composition of native arbuscular mycorrhizal fungal consortia influences growth and nutrition of poblano pepper plants (<i>Capsicum annuum</i> L.). <i>Applied Soil Ecology</i> , 2018, 130, 50-58.	2.1	15
23	Maize plant growth response to whole rhizosphere microbial communities in different mineral N and P fertilization scenarios. <i>Rhizosphere</i> , 2019, 9, 38-46.	1.4	15
24	Diversity and Agricultural Applications of Arbuscular Mycorrhizal Fungi in Mexico. <i>Journal of Biofertilizers & Biopesticides</i> , 2012, 03, .	0.8	14
25	Seed Germination and Seedling Growth of Five Plant Species for Assessing Potential Strategies to Stabilizing or Recovering Metals from Mine Tailings. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	12
26	Plant and microbe genomics and beyond: potential for developing a novel molecular plant nutrition approach. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	9
27	Crecimiento de <i>Casuarina equisetifolia</i> (Casuarinaceae) en suelo con dióxido de carbono, y aplicación de bioestimulantes y bioaumentación. <i>Revista De Biología Tropical</i> , 2013, 61, .	0.1	9
28	In vitro antifungal effects of potassium bicarbonate on <i>Trichoderma</i> sp. and <i>Sclerotinia sclerotiorum</i> . <i>Mycoscience</i> , 2009, 50, 380-387.	0.3	8
29	Diesel effects on root hydraulic conductivity and morphological changes of the vascular cylinder in <i>Medicago sativa</i> . <i>Environmental and Experimental Botany</i> , 2014, 105, 1-9.	2.0	7
30	Impact of Crude Oil on Functional Groups of Culturable Bacteria and Colonization of Symbiotic Microorganisms in the <i>Clitoria-Brachiararia</i> Rhizosphere Grown in Mesocosms. <i>Acta Biologica Colombiana</i> , 2019, 24, 343-353.	0.1	7
31	ARBUSCULAR MYCORRHIZAL COLONIZATION DOES NOT ALLEVIATE SODIUM CHLORIDE-SALINITY STRESS IN <i>VINCA CATHARANTHUS ROSEUS</i> (L.) G. DON]. <i>Journal of Plant Nutrition</i> , 2013, 36, 164-178.	0.9	5
32	Arbuscular Mycorrhizal Colonization in a Mangrove Forest Exposed to Weathering Oil for Half a Century. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	4
33	Growth and lead uptake by <i>Parkinsonia aculeata</i> L. inoculated with <i>Rhizophagus intraradices</i> . <i>International Journal of Phytoremediation</i> , 2021, 23, 272-278.	1.7	3
34	Effectiveness of native arbuscular mycorrhiza on the growth of four tree forest species from the Santa Marta Mountain, Veracruz (Mexico). <i>Forest Systems</i> , 2017, 26, e001.	0.1	3
35	Planting depth and soil amendments affect growth of <i>Quercus virginiana</i> Mill.. <i>Urban Forestry and Urban Greening</i> , 2011, 10, 127-132.	2.3	2
36	Short-Term Biodegradation of Petroleum in Planted and Unplanted Sandy Soil. <i>Journal of Environmental Quality</i> , 2013, 42, 1080-1085.	1.0	2

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37	Molecular characterization and RFLP profile of an <i>Inocybe</i> (<i>Inocybaceae</i> , <i>Agaricales</i>) species isolated from Tlaxcala (Mexico): evidence for a new species in the subgenus <i>Mallocybe</i> . <i>Nova Hedwigia</i> , 2016, 103, 475-490.	0.2	2
38	Lipid extraction from the biomass of <i>Trichoderma koningiopsis</i> MX1 produced in a non-stirring culture for potential biodiesel production. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25627-25633.	2.7	2
39	(149) Phytoremediation of Petroleum Hydrocarbons with a <i>Lolium multiflorum</i> "Glomus intraradices" Inorganic Fertilization System: Influence on Plant Growth, Antioxidant Activity, Microbial Respiration, and Hydrocarbon Degradation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 1059C-1059.	0.5	2
40	Improved growth of bell pepper (<i>Capsicum annuum</i>) plants by inoculating arbuscular mycorrhizal fungi and beneficial rhizobacteria. <i>Scientia Fungorum</i> , 0, 51, e1299.	0.3	2
41	Aislamiento de consorcios de hongos micorrízicos arbusculares de plantas medicinales y su efecto en el crecimiento de vinca (<i>Catharanthus roseus</i>). <i>Revista Chilena De Historia Natural</i> , 2012, 85, 187-198.	0.5	1
42	Glomus intraradices Enhances Growth and Gas Exchange of <i>Lolium perenne</i> Seedlings in Petroleum-contaminated Soil. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 770D-770.	0.5	1
43	QUALITATIVE AND QUANTITATIVE ENZYMATIC PROFILE OF NATIVE <i>Trichoderma</i> STRAINS AND BIOCONTROL POTENTIAL AGAINST <i>Fusarium oxysporum</i> f.sp. <i>cubense</i> RACE 1. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2022, 11, e3264.	0.4	1
44	Effectiveness of antagonistic bacteria, commercial fungicides, and fourth generation quaternary ammonium salts, against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> race 1 or 2. <i>European Journal of Plant Pathology</i> , 2022, 163, 719-731.	0.8	1
45	Diesel Impacts on Functional Bacterial Groups and Collembolans During Phytoremediation in a Mesocosm System. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	0
46	Toxicidad del plomo en la germinación y el crecimiento de plántulas de <i>Parkinsonia aculeata</i> L.. <i>Revista Mexicana De Ciencias Forestales</i> , 2021, 12, .	0.1	0
47	Towards the micropropagation of <i>Euphorbia cyathophora</i> Murray: a wild plant species with medicinal and ornamental potential. <i>Ciencia Rural</i> , 2019, 49, .	0.3	0
48	Germinación y bioestimulación en <i>Acacia farnesiana</i> (L.) Willd y <i>Ebenopsis ebano</i> (Berl.) Barneby para la remoción de As, Cd y Zn de lodos residuales por extracción de gas shale en Tamaulipas. <i>Nova Scientia</i> , 2020, 12, .	0.0	0
49	Nutrient status, hydrogen peroxide content and peroxidase activity of arbuscular mycorrhizal plants of <i>Melilotus albus</i> grown in diesel-contaminated substrate. <i>Scientia Fungorum</i> , 0, 51, e1298.	0.3	0
50	Phytoremediation of soil contaminated with weathered petroleum hydrocarbons by applying mineral fertilization, an anionic surfactant, or hydrocarbonoclastic bacteria. <i>International Journal of Phytoremediation</i> , 2023, 25, 329-338.	1.7	0