

Jose Becerra

List of Publications by Year in descending order

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86
papers

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377584

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488211

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86
times ranked

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#	ARTICLE	IF	CITATIONS
1	Acetylcholinesterase inhibitory activity from <i>Amaryllis belladonna</i> growing in Chile: enzymatic and molecular docking studies. <i>Natural Product Research</i> , 2022, 36, 1370-1374.	1.0	5
2	High antioxidant activity of phenolic compounds dampens oxidative stress in <i>Espinosa nothofagi</i> galls induced on <i>Nothofagus obliqua</i> buds. <i>Plant Science</i> , 2022, 314, 111114.	1.7	12
3	Allelopathic potential of the extracts of non-galled stems and globoid stem galls of <i>Eremanthus erythropappus</i> (DC) McLeish (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2022, 100, 104379.	0.6	3
4	Distinctive anatomical and histochemical responses of <i>Nothofagus obliqua</i> (Mirb.) Oerst (Nothofagaceae) to two galling Pteromalidae (Hymenoptera: Chalcidoidea) in Chile. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 290, 152056.	0.6	0
5	Sulfated Polysaccharide Extracted from the Green Algae <i>Codium bernabei</i> : Physicochemical Characterization and Antioxidant, Anticoagulant and Antitumor Activity. <i>Marine Drugs</i> , 2022, 20, 458.	2.2	18
6	Antiproliferative activity of carotenoid pigments produced by extremophile bacteria. <i>Natural Product Research</i> , 2021, 35, 4638-4642.	1.0	11
7	Synthesis, characterisation, crystal structure and antimicrobial evaluation of novel 6-alkoxyergosta-4,6,8(14),22-tetraen-3-one derived from natural ergosta-5,7,22-trien-3 ¹ -ol. <i>Natural Product Research</i> , 2021, , 1-8.	1.0	0
8	Species and genera in <i>Aleurodiscus</i> sensu lato as viewed from the Southern Hemisphere. <i>Mycologia</i> , 2021, 113, 1-14.	0.8	5
9	Strategies of Elicitation to Enhance Bioactive Compound Content in Edible Plant Sprouts: A Bibliometric Study. <i>Plants</i> , 2021, 10, 2759.	1.6	7
10	Invasive diatom <i>Didymosphenia geminata</i> as a source of polysaccharides with antioxidant and immunomodulatory effects on macrophage cell lines. <i>Journal of Applied Phycology</i> , 2020, 32, 93-102.	1.5	10
11	Exposure to UV-B Radiation Leads to Increased Deposition of Cell Wall-Associated Xerocomic Acid in Cultures of <i>Serpula himantoides</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	2
12	Spatiotemporal variation in phenolic levels in galls of calophyids on <i>Schinus polygama</i> (Anacardiaceae). <i>Journal of Plant Research</i> , 2019, 132, 509-520.	1.2	4
13	New Poroid Hymenochaetaceae (Basidiomycota, Hymenochaetales) from Chile. <i>Mycological Progress</i> , 2019, 18, 865-877.	0.5	16
14	17 Oxo Sparteine and Lupanine, Obtained from <i>Cytisus scoparius</i> , Exert a Neuroprotection against Soluble Oligomers of Amyloid- β Toxicity by Nicotinic Acetylcholine Receptors. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 343-356.	1.2	8
15	Morphological response to salinity, temperature, and pH changes by marine fungus <i>Epicoccum nigrum</i> . <i>Environmental Monitoring and Assessment</i> , 2019, 191, 35.	1.3	11
16	Exploring the Multi-Target Neuroprotective Chemical Space of Benzofuran Scaffolds: A New Strategy in Drug Development for Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2019, 10, 1679.	1.6	14
17	<i>Rhodolirium andicola</i> : a new renewable source of alkaloids with acetylcholinesterase inhibitory activity, a study from nature to molecular docking. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 34-43.	0.6	29
18	A Natural Benzofuran from the Patagonic <i>Aleurodiscus vitellinus</i> Fungus has Potent Neuroprotective Properties on a Cellular Model of Amyloid- β Peptide Toxicity. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1463-1475.	1.2	15

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19	Effect of <i>Didymosphenia geminata</i> coverage on the phytobenthic community in an Andean basin of Chile. <i>Revista Chilena De Historia Natural</i> , 2018, 91, .	0.5	7
20	Factors influencing the morphogenesis of galls induced by <i>Calophya mammifex</i> (Calophyidae) on <i>Schinus polygama</i> (Anacardiaceae) leaves. <i>Botany</i> , 2018, 96, 589-599.	0.5	9
21	Assessment of insecticidal responses of extracts and compounds of <i>Drimys winteri</i> , <i>Lobelia tupa</i> , <i>Viola portalesia</i> and <i>Vestia foetida</i> against the granary weevil <i>Sitophilus granarius</i> . <i>Industrial Crops and Products</i> , 2018, 122, 232-238.	2.5	20
22	A discussion on the genus <i>Fomitiporella</i> (Hymenochaetaceae, Hymenochaetales) and first record of <i>F. americana</i> from southern South America. <i>MycoKeys</i> , 2018, 38, 77-91.	0.8	8
23	Steroidal composition and cytotoxic activity from fruiting body of <i>Cortinarius xiphidipus</i> . <i>Natural Product Research</i> , 2017, 31, 473-476.	1.0	24
24	Antifungal activities of secondary metabolites isolated from liquid fermentations of <i>Stereum hirsutum</i> (Sh134-11) against <i>Botrytis cinerea</i> (grey mould agent). <i>Food and Chemical Toxicology</i> , 2017, 109, 1048-1054.	1.8	32
25	Is autotoxicity responsible for inhibition growth of new conspecific seedlings under the canopy of the invasive <i>Acacia dealbata</i> Link?. <i>Gayana - Botanica</i> , 2017, , 0-0.	0.3	2
26	Stigmasterol Removal by an Aerobic Treatment System. <i>Methods in Molecular Biology</i> , 2017, 1645, 151-158.	0.4	0
27	Hongos aislados desde sedimentos de fiordos chilenos degradadores de oxitetraciclina. <i>Revista De Biología Marina Y Oceanografía</i> , 2016, 51, 591-598.	0.1	3
28	Removal of stigmasterol from Kraft mill effluent by aerobic biological treatment with steroidal metabolite detection. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1012-1017.	0.9	2
29	Persistent organic pollutants and porphyrins biomarkers in penguin faeces from Kopaitic Island and Antarctic Peninsula. <i>Science of the Total Environment</i> , 2016, 573, 1390-1396.	3.9	18
30	Antifungal activities of extracts produced by liquid fermentations of Chilean <i>Stereum</i> species against <i>Botrytis cinerea</i> (grey mould agent). <i>Crop Protection</i> , 2016, 89, 95-100.	1.0	22
31	Leaf and stem galls of <i>Schinus polygamus</i> (Cav.) Cabr (Anacardiaceae): Anatomical and chemical implications. <i>Biochemical Systematics and Ecology</i> , 2016, 69, 266-273.	0.6	12
32	Chilenopectins A and B, Peptaibols from the Chilean <i>Sepedonium</i> aff. <i>chalcipori</i> KSH 883. <i>Journal of Natural Products</i> , 2016, 79, 929-938.	1.5	32
33	(-)-Pentylsedinine, a New Alkaloid from the Leaves of <i>Lobelia Tupa</i> with Agonist Activity at Nicotinic Acetylcholine Receptor. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.2	3
34	Allelopathic effect of the invasive <i>Acacia dealbata</i> Link (Fabaceae) on two native plant species in south-central Chile. <i>Gayana - Botanica</i> , 2015, 72, 231-239.	0.3	33
35	Antiproliferative activity of yatein isolated from <i>Austrocedrus chilensis</i> against murine myeloma cells: Cytological studies and chemical investigations. <i>Pharmaceutical Biology</i> , 2015, 53, 378-385.	1.3	14
36	Does <i>Acacia dealbata</i> express shade tolerance in Mediterranean forest ecosystems of South America?. <i>Ecology and Evolution</i> , 2015, 5, 3338-3351.	0.8	13

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37	Volatiles from white-rot fungi for controlling plant pathogenic fungi. <i>Chemistry and Ecology</i> , 2015, 31, 754-763.	0.6	18
38	Morphological effects at radicle level by direct contact of invasive <i>Acacia dealbata</i> Link. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015, 215, 54-59.	0.6	18
39	Bioactive compounds isolated from submerged fermentations of the Chilean fungus <i>Stereum rameale</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 97-102.	0.6	13
40	INHIBITION OF QUORUM SENSING BY DRIMANE LACTONES FROM CHILEAN FLORA. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2622-2624.	0.5	15
41	Variation of sterols and fatty acids as an adaptive response to changes in temperature, salinity and pH of a marine fungus <i>Epicoccum nigrum</i> isolated from the Patagonian Fjords. <i>Revista De Biología Marina Y Oceanografía</i> , 2014, 49, 293-305.	0.1	13
42	Modulation of Neuronal Nicotinic Receptor by Quinolizidine Alkaloids Causes Neuroprotection on a Cellular Alzheimer Model. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 143-155.	1.2	15
43	Antibacterial metabolites synthesized by psychrotrophic bacteria isolated from cold-freshwater environments. <i>Folia Microbiologica</i> , 2013, 58, 127-133.	1.1	12
44	Characterization of bioactive molecules isolated from sea cucumber <i>Athyonidium chilensis</i> . <i>Revista De Biología Marina Y Oceanografía</i> , 2013, 48, 23-35.	0.1	10
45	Drimendiol, A Drimane Sesquiterpene with Quorum Sensing Inhibition Activity. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.2	6
46	Induction of Defensive Response in <i>Eucalyptus globulus</i> Plants and its Persistence in Vegetative Propagation. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.2	1
47	Drimendiol, a drimane sesquiterpene with quorum sensing inhibition activity. <i>Natural Product Communications</i> , 2013, 8, 147-8.	0.2	17
48	Direct characterisation of phenolic antioxidants in infusions from four Mapuche medicinal plants by liquid chromatography with diode array detection (HPLC-DAD) and electrospray ionisation tandem mass spectrometry (HPLC-ESI-MS). <i>Food Chemistry</i> , 2012, 131, 318-327.	4.2	49
49	Synaptic Silencing and Plasma Membrane Dyshomeostasis Induced by Amyloid- β^2 Peptide are Prevented by <i>Aristolelia chilensis</i> Enriched Extract. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 879-889.	1.2	32
50	<i>Cordyceps cuncunae</i> (Ascomycota, Hypocreales), a new pleoanamorphic species from temperate rainforest in southern Chile. <i>Mycological Progress</i> , 2012, 11, 733-739.	0.5	10
51	Antifungal activity of volatile metabolites emitted by mycelial cultures of saprophytic fungi. <i>Chemistry and Ecology</i> , 2011, 27, 503-513.	0.6	44
52	CHEMICAL DEFENSE RESPONSES IN <i>Eucalyptus globulus</i> (Labill) PLANTS. <i>Journal of the Chilean Chemical Society</i> , 2011, 56, 768-770.	0.5	13
53	Inhibitory Activities on Mammalian Central Nervous System Receptors and Computational Studies of Three Sesquiterpene Lactones from <i>Coriaria ruscifolia</i> subsp. <i>ruscifolia</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 161-165.	0.6	8
54	Synaptic failure and adenosine triphosphate imbalance induced by amyloid- β^2 aggregates are prevented by blueberry-enriched polyphenols extract. <i>Journal of Neuroscience Research</i> , 2011, 89, 1499-1508.	1.3	42

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55	Explaining differential herbivory in sun and shade: the case of <i>Aristotelia chilensis</i> saplings. <i>Arthropod-Plant Interactions</i> , 2010, 4, 229-235.	0.5	27
56	Antimicrobial Activity of Submerged Cultures of Chilean Basidiomycetes. <i>Planta Medica</i> , 2010, 76, 1787-1791.	0.7	9
57	Chelating and antioxidant activity of lignans from Chilean woods (<i>Cupressaceae</i>). <i>Holzforschung</i> , 2009, 63, .	0.9	20
58	Degradation of 2,4,6-tribromophenol and 2,4,6-trichlorophenol by aerobic heterotrophic bacteria present in psychrophilic lakes. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 553-560.	1.7	14
59	Activated sludge versus aerated lagoon treatment of kraft mill effluents containing $\hat{1}^2$ -sitosterol and stigmasterol. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 327-335.	0.9	17
60	Aerobic removal of stigmasterol contained in kraft mill effluents. <i>Electronic Journal of Biotechnology</i> , 2009, 12, 0-0.	1.2	11
61	Degradative ability of 2,4,6-tribromophenol by saprophytic fungi <i>Trametes versicolor</i> and <i>Agaricus augustus</i> isolated from Chilean forestry. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 961-968.	1.7	21
62	An unusual <i>Xanthophyllomyces</i> strain from leaves of <i>Eucalyptus globulus</i> in Chile. <i>Mycological Research</i> , 2008, 112, 861-867.	2.5	20
63	Biosynthesis of poly- $\hat{1}^2$ -hydroxyalkanoate by <i>Brevundimonas vesicularis</i> LMG P-23615 and <i>Sphingopyxis macrogoltabida</i> LMG 17324 using acid-hydrolyzed sawdust as carbon source. <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 542-546.	1.1	62
64	Anaerobic Biodegradation of Sterols Contained in Kraft Mill Effluents. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 476-480.	1.1	31
65	Genetic diversity and differentiation within and among Chilean populations of <i>Araucaria araucana</i> (<i>Araucariaceae</i>) based on allozyme variability. <i>Taxon</i> , 2007, 56, 1221-1228.	0.4	26
66	Inhibitory effects of tutin on glycine receptors in spinal neurons. <i>European Journal of Pharmacology</i> , 2007, 559, 61-64.	1.7	21
67	Gastroprotective and ulcer healing effect of ferruginol in mice and rats: Assessment of its mechanism of action using in vitro models. <i>Life Sciences</i> , 2006, 78, 2503-2509.	2.0	71
68	Interactive Effects of Leaf Damage, Light Intensity and Support Availability on Chemical Defenses and Morphology of a Twining Vine. <i>Journal of Chemical Ecology</i> , 2006, 33, 95-103.	0.9	18
69	Antifungal and Antibacterial Activities of <i>Araucaria araucana</i> (Mol.) K. Koch Heartwood Lignans. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 35-43.	0.6	61
70	ANTIMICROBIAL ACTIVITY OF METABOLITES FROM MYCELIAL CULTURES OF CHILEAN BASIDIOMYCETES. <i>Journal of the Chilean Chemical Society</i> , 2006, 51, .	0.5	13
71	Favolon B, a New Triterpenoid Isolated from the Chilean <i>Mycena</i> sp. Strain 96180. <i>Journal of Antibiotics</i> , 2005, 58, 61-64.	1.0	19
72	Biosynthesis of poly- $\hat{1}^2$ -hydroxyalkanoates by <i>Sphingopyxis chilensis</i> S37 and <i>Wautersia</i> sp. PZK cultured in cellulose pulp mill effluents containing 2,4,6-trichlorophenol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2005, 32, 397-401.	1.4	17

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73	Occupational and environmental exposure to tribromophenol used for wood surface protection in sawmills. <i>International Journal of Environmental Health Research</i> , 2005, 15, 171-179.	1.3	17
74	Phylogenetic relationships and genetic divergence among endemic species of <i>Berberis</i> , <i>Gunnera</i> , <i>Myrceugenia</i> and <i>Sophora</i> of the Juan Fernández Islands (Chile) and their continental progenitors based on isozymes and nrITS sequences. <i>Taxon</i> , 2004, 53, 321-332.	0.4	16
75	Aerobic secondary utilization of a non-growth and inhibitory substrate 2,4,6-trichlorophenol by <i>Sphingopyxis chilensis</i> S37 and sphingopyxis-like strain S32. <i>Biodegradation</i> , 2003, 14, 265-274.	1.5	40
76	TRIBROMOFENOL EMPLEADO EN ASERRADEROS: METODOS DE ANALISIS, CARACTERISTICAS FISICO-QUIMICAS Y PRESENCIA EN COMPONENTES AMBIENTALES. <i>Journal of the Chilean Chemical Society</i> , 2002, 47, .	0.1	3
77	Insect Growth Regulator and Insecticidal Activity of $\hat{1}^2$ -Dihydroagarofurans from <i>Maytenus</i> spp. (Celastraceae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2001, 56, 603-613.	0.6	41
78	Morphological and ITS Sequence Divergence between Taxa of <i>Cuminia</i> (Lamiaceae), an Endemic Genus of the Juan Fernandez Islands, Chile. <i>Brittonia</i> , 2000, 52, 341.	0.8	5
79	$\hat{1}^2$ -Agarofurans from seeds of <i>Maytenus boaria</i> . <i>Phytochemistry</i> , 1995, 40, 1457-1460.	1.4	19
80	Determination of total mercury in scalp hair of humans by gold amalgamation cold vapour atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 535-541.	1.6	21
81	Flavonoid Chemistry of the Endemic Species of <i>Myrceugenia</i> (Myrtaceae) of the Juan Fernandez Islands and Relatives in Continental South America. <i>Brittonia</i> , 1994, 46, 187.	0.8	6
82	N-alkanes from chilean euphorbiaceae and compositae species. <i>Phytochemistry</i> , 1989, 28, 1254-1256.	1.4	7
83	Sesquiterpenes from seeds of <i>Maytenus boaria</i> . <i>Phytochemistry</i> , 1987, 26, 3073-3074.	1.4	19
84	Thymol derivatives from <i>Eupatorium glechonophyllum</i> . <i>Phytochemistry</i> , 1984, 23, 1947-1950.	1.4	21
85	DDTs in Balaenopterids (Cetacea) from the Chilean coast. <i>Marine Pollution Bulletin</i> , 1984, 15, 451.	2.3	10
86	Biotransformation of <i>Araucaria araucana</i> lignans: solid-state fermentation with a naturally occurring <i>Pleurotus ostreatus</i> strain. <i>Rodriguesia</i> , 0, 73, .	0.9	1