

Jose Becerra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1128648/publications.pdf>

Version: 2024-02-01

104
papers

1,632
citations

331670

21
h-index

414414

32
g-index

104
all docs

104
docs citations

104
times ranked

2399
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.3	71
2	Biosynthesis of poly- β -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.	2.2	62
3	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.	1.4	61
4	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.	8.2	49
5	Antifungal activity of volatile metabolites emitted by mycelial cultures of saprophytic fungi. <i>Chemistry and Ecology</i> , 2011, 27, 503-513.	1.6	44
6	Synaptic failure and adenosine triphosphate imbalance induced by amyloid- β aggregates are prevented by blueberry-enriched polyphenols extract. <i>Journal of Neuroscience Research</i> , 2011, 89, 1499-1508.	2.9	42
7	Insect Growth Regulator and Insecticidal Activity of β -Dihydroagarofurans from <i>Maytenus</i> spp. (Celastraceae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2001, 56, 603-613.	1.4	41
8	Aerobic secondary utilization of a non-growth and inhibitory substrate 2,4,6-trichlorophenol by <i>Sphingopyxis chilensis</i> S37 and <i>sphingopyxis</i> -like strain S32. <i>Biodegradation</i> , 2003, 14, 265-274.	3.0	40
9	Chitosan-collagen-hydroxyapatite membranes for tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 18.	3.6	37
10	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.	0.2	33
11	Tuning the Hydrophilic/Hydrophobic Balance to Control the Structure of Chitosan Films and Their Protein Release Behavior. <i>AAPS PharmSciTech</i> , 2017, 18, 1070-1083.	3.3	33
12	Synaptic Silencing and Plasma Membrane Dyshomeostasis Induced by Amyloid- β Peptide are Prevented by <i>Aristolelia chilensis</i> Enriched Extract. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 879-889.	2.6	32
13	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.	3.0	32
14	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.	3.6	32
15	Anaerobic Biodegradation of Sterols Contained in Kraft Mill Effluents. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 476-480.	2.2	31
16	<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.	1.4	29
17	Fungistatic Activity Of Essential Oils Extracted from <i>Peumus boldus</i> Mol., <i>Laureliopsis philippiana</i> (Looser) Schodde and <i>Laurelia sempervirens</i> (Ruiz & Pav.) Tul. (Chilean Monimiaceae). <i>Chilean Journal of Agricultural Research</i> , 2009, 69, .	1.1	27
18	Explaining differential herbivory in sun and shade: the case of <i>Aristolelia chilensis</i> saplings. <i>Arthropod-Plant Interactions</i> , 2010, 4, 229-235.	1.1	27

#	ARTICLE	IF	CITATIONS
19	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.	0.7	26
20	Steroidal composition and cytotoxic activity from fruiting body of <i>Cortinarius xiphidipus</i> . <i>Natural Product Research</i> , 2017, 31, 473-476.	1.8	24
21	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.	2.1	22
22	Thymol derivatives from <i>Eupatorium glechonophyllum</i> . <i>Phytochemistry</i> , 1984, 23, 1947-1950.	2.9	21
23	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.	3.0	21
24	Inhibitory effects of tutin on glycine receptors in spinal neurons. <i>European Journal of Pharmacology</i> , 2007, 559, 61-64.	3.5	21
25	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.	3.6	21
26	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
27	Chelating and antioxidant activity of lignans from Chilean woods (<i>Cupressaceae</i>). <i>Holzforschung</i> , 2009, 63, .	1.9	20
28	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.	5.2	20
29	Fatty acid composition of three species of <i>Codium</i> (<i>Bryopsidales</i> , <i>Chlorophyta</i>) in Chile. <i>Revista De Biología Marina Y Oceanografía</i> , 2010, 45, .	0.2	20
30	Sesquiterpenes from seeds of <i>Maytenus boaria</i> . <i>Phytochemistry</i> , 1987, 26, 3073-3074.	2.9	19
31	1 ² -Agarofurans from seeds of <i>Maytenus boaria</i> . <i>Phytochemistry</i> , 1995, 40, 1457-1460.	2.9	19
32	Favolon B, a New Triterpenoid Isolated from the Chilean <i>Mycena</i> sp. Strain 96180. <i>Journal of Antibiotics</i> , 2005, 58, 61-64.	2.0	19
33	Antibiotic activity of Emerimicin IV isolated from <i>Emericellopsis minima</i> from Talcahuano Bay, Chile. <i>Natural Product Research</i> , 2018, 32, 1361-1364.	1.8	19
34	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.	1.8	18
35	Volatiles from white-rot fungi for controlling plant pathogenic fungi. <i>Chemistry and Ecology</i> , 2015, 31, 754-763.	1.6	18
36	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.	1.2	18

#	ARTICLE	IF	CITATIONS
37	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.	8.0	18
38	Biosynthesis of poly- β -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.	3.0	17
39	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.	2.7	17
40	Activated sludge versus aerated lagoon treatment of kraft mill effluents containing β -sitosterol and stigmasterol. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 327-335.	1.7	17
41	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.	0.7	16
42	New Poroid Hymenochaetaceae (Basidiomycota, Hymenochaetales) from Chile. <i>Mycological Progress</i> , 2019, 18, 865-877.	1.4	16
43	INHIBITION OF QUORUM SENSING BY DRIMANE LACTONES FROM CHILEAN FLORA. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2622-2624.	1.2	15
44	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.	2.6	15
45	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.	2.6	15
46	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.	3.6	14
47	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.	2.9	14
48	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.	3.5	14
49	Influence of High-Pressure Polymerization on Mechanical Properties of Denture Base Resins. <i>Journal of Prosthodontics</i> , 2021, 30, 128-134.	3.7	14
50	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.	0.2	13
51	Does <i>Acacia dealbata</i> express shade tolerance in Mediterranean forest ecosystems of South America?. <i>Ecology and Evolution</i> , 2015, 5, 3338-3351.	1.9	13
52	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.	1.4	13
53	ANTIMICROBIAL ACTIVITY OF METABOLITES FROM MYCELIAL CULTURES OF CHILEAN BASIDIOMYCETES. <i>Journal of the Chilean Chemical Society</i> , 2006, 51, .	1.2	13
54	Antibacterial metabolites synthesized by psychrotrophic bacteria isolated from cold-freshwater environments. <i>Folia Microbiologica</i> , 2013, 58, 127-133.	2.3	12

#	ARTICLE	IF	CITATIONS
55	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.	1.3	12
56	CHEMISTRY OF THE AROMA BOUQUET OF THE EDIBLE MUSHROOM "LEBRE" (<i>Cortinarius lebrei</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.2	12
57	Aerobic removal of stigmasterol contained in kraft mill effluents. <i>Electronic Journal of Biotechnology</i> , 2009, 12, 0-0.	2.2	11
58	Antiproliferative activity of carotenoid pigments produced by extremophile bacteria. <i>Natural Product Research</i> , 2021, 35, 4638-4642.	1.8	11
59	Morphological response to salinity, temperature, and pH changes by marine fungus <i>Epicoccum nigrum</i> . <i>Environmental Monitoring and Assessment</i> , 2019, 191, 35.	2.7	11
60	DDTs in Balaenopterids (Cetacea) from the Chilean coast. <i>Marine Pollution Bulletin</i> , 1984, 15, 451.	5.0	10
61	HYDROCARBONS AND ORGANOCHLORINE PESTICIDES IN SOILS OF THE URBAN ECOSYSTEM OF CHILLÁN AND CHILLÁN VIEJO, CHILE. <i>Journal of the Chilean Chemical Society</i> , 2006, 51, 938.	1.2	10
62	<i>Cordyceps cuncunae</i> (Ascomycota, Hypocreales), a new pleoanamorphic species from temperate rainforest in southern Chile. <i>Mycological Progress</i> , 2012, 11, 733-739.	1.4	10
63	Characterization of bioactive molecules isolated from sea cucumber <i>Athyonidium chilensis</i> . <i>Revista De Biología Marina Y Oceanografía</i> , 2013, 48, 23-35.	0.2	10
64	BIOLOGICAL ACTIVITY OF MACROMYCETES ISOLATED FROM CHILEAN SUBANTARCTIC ECOSYSTEMS. <i>Journal of the Chilean Chemical Society</i> , 2013, 58, 2016-2019.	1.2	10
65	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.	2.8	10
66	Antimicrobial Activity of Submerged Cultures of Chilean Basidiomycetes. <i>Planta Medica</i> , 2010, 76, 1787-1791.	1.3	9
67	Analysis of aryl hydrocarbon receptor ligands in kraft mill effluents by a combination of yeast bioassays and CG-MS chemical determinations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 145-151.	1.7	9
68	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.	1.0	9
69	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.	1.3	8
70	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.	2.6	8
71	A discussion on the genus <i>Fomitiporella</i> (Hymenochaetaceae, Hymenochaetales) and first record of <i>F. americana</i> from southern South America. <i>Mycology</i> , 2018, 38, 77-91.	1.9	8
72	N-alkanes from Chilean euphorbiaceae and compositae species. <i>Phytochemistry</i> , 1989, 28, 1254-1256.	2.9	7

#	ARTICLE	IF	CITATIONS
73	RESIN ACIDS IN BILE SAMPLES FROM FISH INHABITING MARINE WATERS AFFECTED BY PULP MILL EFFLUENTS. <i>Journal of the Chilean Chemical Society</i> , 2008, 53, .	1.2	7
74	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, .	1.2	7
75	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.	0.2	6
76	A polymorphic form of 4,4-dimethyl-8-methylene-3-azabicyclo[3.3.1]non-2-en-2-yl 3-indolyl ketone, an indole alkaloid extracted from <i>Aristolotelia chilensis</i> (maqui). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1509-1512.	0.4	6
77	Drimendiol, A Drimane Sesquiterpene with Quorum Sensing Inhibition Activity. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	6
78	Distribution and sources of phytosterols in coastal and river sediments of south central Chile. <i>Latin American Journal of Aquatic Research</i> , 2014, 42, 61-84.	0.6	6
79	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.	0.2	5
80	New Caffeic Acid Esters from <i>Plazia daphnoides</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2003, 58, 39-41.	1.4	5
81	SYNTHESIS AND AChE INHIBITING ACTIVITY OF 2, 4 SUBSTITUTED 6-PHENYL PYRIMIDINES. <i>Journal of the Chilean Chemical Society</i> , 2012, 57, 1292-1294.	1.2	5
82	PHENETIC RELATIONSHIPS BETWEEN JUAN FERNANDEZ AND CONTINENTAL CHILEAN SPECIES OF SOPHORA (FABACEAE) BASED ON FLAVONOID PATTERNS. <i>Journal of the Chilean Chemical Society</i> , 1999, 44, .	0.1	5
83	CHANGES IN SECONDARY METABOLITES PROFILES AND BIOLOGICAL ACTIVITY OF THE FRESH FRUITING BODIES OF <i>Stereum hirsutum</i> EXPOSED TO HIGH-DOSE UV-B RADIATION. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 3224-3227.	1.2	4
84	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.	2.4	4
85	Total Mercury and Methylmercury Levels in Scalp Hair and Blood of Pregnant Women Residents of Fishing Villages in the Eighth Region of Chile. <i>ACS Symposium Series</i> , 1997, , 151-177.	0.5	3
86	Lipid and Polypeptide Profiles in the Female Portion of Gonads from Diet-Conditioned Broodstock of North Chilean Scallops <i>Argopecten purpuratus</i> . <i>North American Journal of Aquaculture</i> , 2003, 65, 1-7.	1.4	3
87	(-)-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.	0.5	3
88	Hongos aislados desde sedimentos de fiordos chilenos degradadores de oxitetraciclina. <i>Revista De Biología Marina Y Oceanografía</i> , 2016, 51, 591-598.	0.2	3
89	Alkaloids from Chilean species of the genus <i>Rhodophiala</i> C. Presl (Amaryllidaceae) and their chemotaxonomic importance. <i>Gayana - Botanica</i> , 2018, 75, 459-465.	0.2	3
90	<i>Maytenus disticha</i> Extract and an Isolated $\hat{1}^2$ -Dihydroagarofuran Induce Mitochondrial Depolarization and Apoptosis in Human Cancer Cells by Increasing Mitochondrial Reactive Oxygen Species. <i>Biomolecules</i> , 2020, 10, 377.	4.0	3

#	ARTICLE	IF	CITATIONS
91	Propagation and Bulblet Enhancement of <i>Rhodophiala pratensis</i> from Seeds Germinated In Vitro. , 2019, 46, 12-22.		3
92	Effect of Albino ophiostoma strains on <i>Eucalyptus nitens</i> extractives. Maderas: Ciencia Y Tecnologia, 2015, , 0-0.	0.7	2
93	Removal of stigmasterol from Kraft mill effluent by aerobic biological treatment with steroidal metabolite detection. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1012-1017.	1.7	2
94	Is autotoxicity responsible for inhibition growth of new conspecific seedlings under the canopy of the invasive <i>Acacia dealbata</i> Link?. Gayana - Botanica, 2017, , 0-0.	0.2	2
95	Exposure to UV-B Radiation Leads to Increased Deposition of Cell Wall-Associated Xerocomic Acid in Cultures of <i>Serpula himantiodides</i> . Applied and Environmental Microbiology, 2019, 85, .	3.1	2
96	Effect of nitrate and irradiance on fatty acid production in microalgae cultivated for feeding larvae and broodstock conditioning in batch culture. Revista De Biología Marina Y Oceanografía, 2019, 54, 91-106.	0.2	2
97	STEROIDS FROM THE MARINE FUNGUS <i>GEOTRICHUM</i> SP. Journal of the Chilean Chemical Society, 2008, 53, 1377-1378.	1.2	2
98	Induction of Defensive Response in <i>Eucalyptus globulus</i> Plants and its Persistence in Vegetative Propagation. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	1
99	Biocontrol of <i>Sirex noctilio</i> by the parasitic nematode <i>Deladenus siricidicola</i> : A five season field study in southern Chile. PLoS ONE, 2018, 13, e0207529.	2.5	1
100	Nanoparticles of 4,7-dichloro-2-quinolinemethylacrylate-based copolymers and their potential cytotoxic activity on human breast carcinoma cells. Journal of Applied Polymer Science, 2019, 136, 47545.	2.6	1
101	(E)-Ethyl 3-(3,4-dihydroxyphenyl)prop-2-enoate: a natural polymorph extracted from <i>Aristotelia chilensis</i> (Maqui). Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 765-769.	0.4	0
102	Caracterización fisiológica del enraizamiento in vitro de <i>Eucalyptus nitens</i> y <i>Eucalyptus globulus</i> . Gayana - Botanica, 2016, 73, 421-429.	0.2	0
103	RAPID ROOM TEMPERATURE LIQUID PHASE SYNTHESIS OF DIETHYL 2-((4-NITROANILINO)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.2	0
104	Stigmasterol Removal by an Aerobic Treatment System. Methods in Molecular Biology, 2017, 1645, 151-158.	0.9	0