

Horacio Bach

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

3,769
citations

28
h-index

60
g-index

89
ext. papers

4,607
ext. citations

4.9
avg, IF

5.68
L-index

#	Paper	IF	Citations
85	Antimycobacterial, cytotoxic, and anti-inflammatory activities of Artemisia ludoviciana.. <i>Journal of Ethnopharmacology</i> , 2022 , 115249	5	0
84	Antibacterial effect of cerium oxide nanoparticle against Pseudomonas aeruginosa. <i>BMC Biotechnology</i> , 2021 , 21, 68	3.5	4
83	Rapid microwave-based method for the preparation of antimicrobial lignin-capped silver nanoparticles active against multidrug-resistant bacteria. <i>International Journal of Pharmaceutics</i> , 2021 , 596, 120299	6.5	3
82	Novel Lignin-Capped Silver Nanoparticles against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22098-22109	9.5	17
81	Antimicrobial and anti-inflammatory activities of commercial aromatizing fragrances. <i>Future Science OA</i> , 2021 , 7, FSO704	2.7	3
80	Treatment of COVID-19 with convalescent plasma- Author's reply. <i>Clinical Microbiology and Infection</i> , 2021 , 27, 639-640	9.5	
79	Development of Coronavirus Treatments Using Neutralizing Antibodies. <i>Microorganisms</i> , 2021 , 9,	4.9	3
78	Proteomic analysis of an Enterococcus faecalis mutant generated against the exposure to silver nanoparticles. <i>Journal of Applied Microbiology</i> , 2021 ,	4.7	1
77	Targeting Intracellular Mycobacteria Using Nanosized Niosomes Loaded with Antibacterial Agents. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
76	Current and Future Development in Lung Cancer Diagnosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	20
75	Impact of the Persistence of Three Essential Oils with Antifungal Activities on Stored Wheat Grains, Flour, and Baked Products. <i>Foods</i> , 2021 , 10,	4.9	2
74	A new diterpene and bioactivities of labdanes isolated from. <i>Natural Product Research</i> , 2020 , 1-8	2.3	2
73	Subspecies Infects and Replicates within Human Monocyte-Derived Dendritic Cells. <i>Microorganisms</i> , 2020 , 8,	4.9	4
72	Presence of Infection by subsp. in the Blood of Patients with Crohn's Disease and Control Subjects Shown by Multiple Laboratory Culture and Antibody Methods. <i>Microorganisms</i> , 2020 , 8,	4.9	6
71	Evaluation of Current Therapies for COVID-19 Treatment. <i>Microorganisms</i> , 2020 , 8,	4.9	9
70	Treatment of COVID-19 with convalescent plasma: lessons from past coronavirus outbreaks. <i>Clinical Microbiology and Infection</i> , 2020 , 26, 1436-1446	9.5	53
69	Effective control of biofilms by photothermal therapy using a gold nanorod hydrogel. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 333-342	3.5	10

68	Antimicrobial activity of Mexican oregano (<i>Lippia berlandieri</i>), thyme (<i>Thymus vulgaris</i>), and mustard (<i>Brassica nigra</i>) essential oils in gaseous phase. <i>Industrial Crops and Products</i> , 2019 , 131, 90-95	5.9	46
67	Bioactivities of Flavonoids from. <i>BioMed Research International</i> , 2019 , 2019, 3286489	3	1
66	Antimicrobial, Cytotoxic, and Anti-Inflammatory Activities of and Essential Oils. <i>BioMed Research International</i> , 2019 , 2019, 1639726	3	16
65	Biodiesel production from <i>Cascabela ovata</i> seed oil. <i>Bioresource Technology Reports</i> , 2019 , 7, 100220	4.1	12
64	Use of amantadine as substrate for SSAT-1 activity as a reliable clinical diagnostic assay for breast and lung cancer. <i>Future Science OA</i> , 2019 , 5, FSO365	2.7	8
63	Phase separation and clustering of an ABC transporter in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16326-16331	11.5	38
62	Predictive value and clinical significance of increased SSAT-1 activity in healthy adults. <i>Future Science OA</i> , 2019 , 5, FSO400	2.7	2
61	Hydrogel-embedded gold nanorods activated by plasmonic phototherapy with potent antimicrobial activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 22, 102093	6	13
60	Targeting the CALCB/RAMP1 axis inhibits growth of Ewing sarcoma. <i>Cell Death and Disease</i> , 2019 , 10, 116	9.8	16
59	PtpA and PknG Proteins Secreted by subsp. are Recognized by Sera from Patients with Rheumatoid Arthritis: A Case-Control Study. <i>Journal of Inflammation Research</i> , 2019 , 12, 301-308	4.8	13
58	Immunogenicity of PtpA secreted during <i>Mycobacterium avium</i> ssp. paratuberculosis infection in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2018 , 198, 1-5	2	4
57	Development of Novel Single-Chain Antibodies against the Hydrophobic HPV-16 E5 Protein. <i>BioMed Research International</i> , 2018 , 2018, 5809028	3	1
56	High levels of antibodies against PtpA and PknG secreted by <i>Mycobacterium avium</i> ssp. paratuberculosis are present in neuromyelitis optica spectrum disorder and multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2018 , 323, 49-52	3.5	13
55	Spermidine/spermine -acetyltransferase-1 as a diagnostic biomarker in human cancer. <i>Future Science OA</i> , 2018 , 4, FSO345	2.7	11
54	Natural Antispasmodics: Source, Stereochemical Configuration, and Biological Activity. <i>BioMed Research International</i> , 2018 , 2018, 3819714	3	5
53	Protein Kinase G Induces an Immune Response in Cows Exposed to Subsp.. <i>BioMed Research International</i> , 2018 , 2018, 1450828	3	7
52	Toxicity evaluation of high-fluorescent rare-earth metal nanoparticles for bioimaging applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 605-615	3.5	19
51	Metal nanoparticles: understanding the mechanisms behind antibacterial activity. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 65	9.4	831

50	The Consensus from the (MAP) Conference 2017. <i>Frontiers in Public Health</i> , 2017 , 5, 208	6	56
49	Effective Control of Molds Using a Combination of Nanoparticles. <i>PLoS ONE</i> , 2017 , 12, e0169940	3.7	19
48	Antimicrobial, cytotoxic, and anti-inflammatory activities of <i>Pleopeltis polylepis</i> . <i>Journal of Ethnopharmacology</i> , 2016 , 194, 981-986	5	12
47	Ergothioneine Maintains Redox and Bioenergetic Homeostasis Essential for Drug Susceptibility and Virulence of <i>Mycobacterium tuberculosis</i> . <i>Cell Reports</i> , 2016 , 14, 572-585	10.6	83
46	Regulation of Ergothioneine Biosynthesis and Its Effect on <i>Mycobacterium tuberculosis</i> Growth and Infectivity. <i>Journal of Biological Chemistry</i> , 2015 , 290, 23064-76	5.4	35
45	What Role Does <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Play in Crohn's Disease?. <i>Current Infectious Disease Reports</i> , 2015 , 17, 463	3.9	10
44	Biodiesel production and de-oiled seed cake nutritional values of a Mexican edible <i>Jatropha curcas</i> . <i>Renewable Energy</i> , 2015 , 76, 143-147	8.1	31
43	Cytotoxicology of Nanocomposites 2015 , 273-302		
42	Anti-leishmanial, anti-inflammatory and antimicrobial activities of phenolic derivatives from <i>Tibouchina paratropica</i> . <i>Phytotherapy Research</i> , 2015 , 29, 393-7	6.7	8
41	Novel Cell Preservation Technique to Extend Bovine In Vitro White Blood Cell Viability. <i>PLoS ONE</i> , 2015 , 10, e0140046	3.7	2
40	Antifungal activity of essential oils extracted from <i>Agastache mexicana</i> ssp. <i>xolocotziana</i> and <i>Porophyllum linaria</i> against post-harvest pathogens. <i>Industrial Crops and Products</i> , 2015 , 74, 178-182	5.9	35
39	Effect of inflammatory bowel disease therapies on immunogenicity of <i>Mycobacterium paratuberculosis</i> proteins. <i>Scandinavian Journal of Gastroenterology</i> , 2014 , 49, 157-63	2.4	8
38	<i>Mycobacterium tuberculosis</i> promotes anti-apoptotic activity of the macrophage by PtpA protein-dependent dephosphorylation of host GSK3 β . <i>Journal of Biological Chemistry</i> , 2014 , 289, 29376-85	5.4	36
37	Immunoreactivity of protein tyrosine phosphatase A (PtpA) in sera from sheep infected with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2014 , 160, 129-32	2	4
36	Antifeedant and Phagostimulant Activity of Extracts and Pure Compounds from <i>Hymenoxys robusta</i> on <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae) Larvae. <i>Natural Product Communications</i> , 2014 , 9, 1934578X1400900	0.9	1
35	Anti-biofilm activity of silver nanoparticles against different microorganisms. <i>Biofouling</i> , 2013 , 29, 651-663	6.3	160
34	Disruption of the serine/threonine protein kinase H affects phthiocerol dimycocerosates synthesis in <i>Mycobacterium tuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2013 , 159, 726-736	2.9	20
33	Antimicrobial activity, cytotoxicity and inflammatory response of novel plastics embedded with silver nanoparticles. <i>Future Microbiology</i> , 2013 , 8, 403-11	2.9	14

32	Fusidic acid and rifampicin co-loaded PLGA nanofibers for the prevention of orthopedic implant associated infections. <i>Journal of Controlled Release</i> , 2013 , 170, 64-73	11.7	89
31	Antimicrobial, antiparasitic, anti-inflammatory, and cytotoxic activities of <i>Lopezia racemosa</i> . <i>Scientific World Journal, The</i> , 2013 , 2013, 237438	2.2	13
30	Antibacterial activity, inflammatory response, coagulation and cytotoxicity effects of silver nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 328-36	6	219
29	Toxicity, antimicrobial and anthelmintic activities of <i>Vernonia guineensis</i> Benth. (Asteraceae) crude extracts. <i>Journal of Ethnopharmacology</i> , 2012 , 144, 700-4	5	26
28	The STEAP protein family: versatile oxidoreductases and targets for cancer immunotherapy with overlapping and distinct cellular functions. <i>Biology of the Cell</i> , 2012 , 104, 641-57	3.5	55
27	Treatment of Crohn's disease patients with infliximab is detrimental for the survival of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> within macrophages and shows a remarkable decrease in the immunogenicity of mycobacterial proteins. <i>Journal of Crohn's and Colitis</i> , 2012 , 6, 628-9	1.5	16
26	Chemical Composition, Antimicrobial and Antioxidant Properties of the Volatile Oil and Methanol Extract of <i>Xenophyllum Poposum</i> . <i>Natural Product Communications</i> , 2012 , 7, 1934578X1200701	0.9	7
25	Antimicrobial, anti-inflammatory, antiparasitic, and cytotoxic activities of <i>Laennecia confusa</i> . <i>Scientific World Journal, The</i> , 2012 , 2012, 263572	2.2	9
24	Antimicrobial, anti-inflammatory, antiparasitic, and cytotoxic activities of <i>Galium mexicanum</i> . <i>Journal of Ethnopharmacology</i> , 2011 , 137, 141-7	5	34
23	Antibacterial and Cytotoxic Activities of the Sesquiterpene Lactones Cnicin and Onopordopicrin. <i>Natural Product Communications</i> , 2011 , 6, 1934578X1100600	0.9	6
22	A Facile and Efficient Four-Step Enantioselective Synthesis of (+)-Vernolepin from (+)-Minimolide, the Major Germacranolide of <i>Mikania minima</i> . <i>Natural Product Communications</i> , 2011 , 6, 1934578X1100600	0.9	6
21	Antimicrobial activities of sesquiterpene lactones and inositol derivatives from <i>Hymenoxys robusta</i> . <i>Phytochemistry</i> , 2011 , 72, 2413-8	4	18
20	Phytotoxic activities of (2R)-6-hydroxytremetone. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 671-5	5.4	7
19	Immunogenicity of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> proteins in Crohn's disease patients. <i>Scandinavian Journal of Gastroenterology</i> , 2011 , 46, 30-9	2.4	20
18	<i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase (PtpA) excludes host vacuolar-H ⁺ -ATPase to inhibit phagosome acidification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19371-6	11.5	256
17	MmpS4 promotes glycopeptidolipids biosynthesis and export in <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 2010 , 78, 989-1003	4.1	58
16	Synthesis, characterization, and evaluation of antimicrobial and cytotoxic effect of silver and titanium nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010 , 6, 681-8	6	325
15	Glutathione disulfide and S-nitrosoglutathione detoxification by <i>Mycobacterium tuberculosis</i> thioredoxin system. <i>FEBS Letters</i> , 2009 , 583, 3215-20	3.8	23

14	Mycobacterium tuberculosis PtkA is a novel protein tyrosine kinase whose substrate is PtpA. <i>Biochemical Journal</i> , 2009 , 420, 155-60	3.8	62
13	Molecular cloning and biochemical characterization of a serine threonine protein kinase, PknL, from Mycobacterium tuberculosis. <i>Protein Expression and Purification</i> , 2008 , 58, 309-17	2	18
12	Mycobacterium tuberculosis virulence is mediated by PtpA dephosphorylation of human vacuolar protein sorting 33B. <i>Cell Host and Microbe</i> , 2008 , 3, 316-22	23.4	214
11	Lipoamide dehydrogenase mediates retention of coronin-1 on BCG vacuoles, leading to arrest in phagosome maturation. <i>Journal of Cell Science</i> , 2007 , 120, 2796-806	5.3	62
10	Novel polysaccharide-protein-based amphipathic formulations. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 34-8	5.7	6
9	A unique polypeptide from the C-terminus of the exocellular esterase of Acinetobacter venetianus RAG-1 modulates the emulsifying activity of the polymeric bioemulsifier apoemulsan. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 177-83	5.7	3
8	Mycobacterium avium subsp. paratuberculosis PtpA is an endogenous tyrosine phosphatase secreted during infection. <i>Infection and Immunity</i> , 2006 , 74, 6540-6	3.7	38
7	Mycobacterium tuberculosis transporter MmpL7 is a potential substrate for kinase PknD. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 6-12	3.4	61
6	Exploiting the reaction flexibility of a type III polyketide synthase through in vitro pathway manipulation. <i>Journal of the American Chemical Society</i> , 2005 , 127, 64-5	16.4	20
5	Bacterial P450-catalyzed polyketide hydroxylation on a microfluidic platform. <i>Biotechnology and Bioengineering</i> , 2004 , 88, 528-35	4.9	42
4	Comparison of the 1.85 Å structure of CYP154A1 from Streptomyces coelicolor A3(2) with the closely related CYP154C1 and CYPs from antibiotic biosynthetic pathways. <i>Protein Science</i> , 2004 , 13, 255-68	6.3	48
3	An exocellular protein from the oil-degrading microbe Acinetobacter venetianus RAG-1 enhances the emulsifying activity of the polymeric bioemulsifier emulsan. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 2608-15	4.8	55
2	The 1.92-Å structure of Streptomyces coelicolor A3(2) CYP154C1. A new monooxygenase that functionalizes macrolide ring systems. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12214-21	5.4	71
1	Escherichia coli maltose-binding protein as a molecular chaperone for recombinant intracellular cytoplasmic single-chain antibodies. <i>Journal of Molecular Biology</i> , 2001 , 312, 79-93	6.5	154