Luiz Alberto B. Moraes

List of Publications by Year
in descending order

113 papers	2,533 citations	172457 29 h-index	265206 42 g-index
115 all docs	115 docs citations	115 times ranked	3488 citing authors

#	Article	IF	Citations
1	Degradation of textile dyes by cyanobacteria. Brazilian Journal of Microbiology, 2017, 48, 25-31.	2.0	133
2	The gut microbiota of insecticide-resistant insects houses insecticide-degrading bacteria: A potential source for biotechnological exploitation. PLoS ONE, 2017, 12, e0174754.	2.5	125
3	Pressurized liquid extraction of flavanols and alkaloids from cocoa bean shell using ethanol as solvent. Food Research International, 2018, 114, 20-29.	6.2	83
4	Non-ribosomal peptides produced by Brazilian cyanobacterial isolates with antimicrobial activity. Microbiological Research, 2011, 166, 161-175.	5.3	81
5	Effect of a highly concentrated lipopeptide extract of Bacillus subtilis on fungal and bacterial cells. Archives of Microbiology, 2008, 190, 611-622.	2.2	66
6	Production and chemical characterization of pigments in filamentous fungi. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	63
7	Purification and characterization of a thermostable Î±-amylase produced by the fungus Paecilomyces variotii. Carbohydrate Research, 2010, 345, 2348-2353.	2.3	60
8	Transacetalization with Acylium Ions. A Structurally Diagnostic Ion/Molecule Reaction for Cyclic Acetals and Ketals in the Gas Phase. Journal of Organic Chemistry, 1997, 62, 5096-5103.	3.2	58
9	Antifungal compound produced by the cassava endophyte Bacillus pumilus MAIIIM4a. Scientia Agricola, 2009, 66, 583-592.	1.2	57
10	Microcystin production by a freshwater spring cyanobacterium of the genus Fischerella. Toxicon, 2009, 53, 754-761.	1.6	56
11	C-prenylflavonoids from roots of Tephrosia tunicata. Phytochemistry, 2000, 55, 799-804.	2.9	50
12	Streptomycessp. ASBV-1 reduces aflatoxin accumulation byAspergillus parasiticusin peanut grains. Journal of Applied Microbiology, 2008, 105, 2153-2160.	3.1	50
13	Toxicological and behavioral responses as a tool to assess the effects of natural and synthetic dyes on zebrafish early life. Chemosphere, 2017, 178, 282-290.	8.2	48
14	Purification and biochemical characterization of a thermostable extracellular glucoamylase produced by the thermotolerant fungus Paecilomyces variotii. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 17-25.	3.0	47
15	Supercritical fluid extracts from the Brazilian cherry (Eugenia uniflora L.): Relationship between the extracted compounds and the characteristic flavour intensity of the fruit. Food Chemistry, 2011, 124, 85-92.	8.2	42
16	Intrinsic Gas-Phase Electrophilic Reactivity of CyclicN-Alkyl- andN-Acyliminium Ions. Journal of Organic Chemistry, 2001, 66, 3854-3864.	3.2	39
17	GH11 xylanase from Aspergillus tamarii Kita: Purification by one-step chromatography and xylooligosaccharides hydrolysis monitored in real-time by mass spectrometry. International Journal of Biological Macromolecules, 2018, 108, 291-299.	7.5	38
18	Actinobacteria from Antarctica as a source for anticancer discovery. Scientific Reports, 2020, 10, 13870.	3.3	38

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19	Novel Ketalization Reaction of Acylium Ions with Diols and Analogues in the Gas Phase. Journal of Organic Chemistry, 1996, 61, 8726-8727.	3.2	37
20	Simultaneous determination of amino acids and neurotransmitters in plasma samples from schizophrenic patients by hydrophilic interaction liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2015, 38, 780-787.	2.5	37
21	Ironporphyrin immobilized onto montmorillonite as a biomimetical model for azo dye oxidation. International Biodeterioration and Biodegradation, 2008, 61, 337-344.	3.9	36
22	Ketalization of gaseous acylium ions. Journal of the American Society for Mass Spectrometry, 2001, 12, 150-162.	2.8	35
23	Characterization of lipopeptides from Paenibacillus sp. (IIRAC30) suppressing Rhizoctonia solani. World Journal of Microbiology and Biotechnology, 2010, 26, 2241-2247.	3.6	35
24	Development and validation of a selective and robust LC-MS/MS method for quantifying amlodipine in human plasma. Analytical and Bioanalytical Chemistry, 2005, 382, 1049-1054.	3.7	34
25	Development of a validated ultra-high-performance liquid chromatography tandem mass spectrometry method for determination of acid diterpenes in Copaifera oleoresins. Journal of Chromatography A, 2017, 1515, 81-90.	3.7	34
26	Dehydrobenzoyl Cations:Â Distonic Ions with Dual Free Radical and Acylium Ion Reactivity. Journal of the American Chemical Society, 1998, 120, 11136-11143.	13.7	33
27	Absolute configuration assignment of ortho, meta, or para isomers by mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 431-436.	2.8	32
28	Bioreduction of Î²-carboline imines to amines employing Saccharomyces bayanus. Tetrahedron: Asymmetry, 2010, 21, 1988-1992.	1.8	31
29	Immunomodulatory action of Copaifera spp oleoresins on cytokine production by human monocytes. Biomedicine and Pharmacotherapy, 2015, 70, 12-18.	5.6	30
30	Mannich-Type Reactions in the Gas-Phase:Â The Addition of Enol Silanes to CyclicN-Acyliminium Ions. Journal of Organic Chemistry, 2002, 67, 4652-4658.	3.2	29
31	Characterization of a microcystin and detection of microcystin synthetase genes from a Brazilian isolate of Nostoc. Toxicon, 2010, 55, 846-854.	1.6	29
32	Comprehensive high-resolution multiple-reaction monitoring mass spectrometry for targeted eicosanoid assays. Scientific Data, 2018, 5, 180167.	5.3	27
33	The Simplest Azabutadienes in Their N-Protonated Forms. Generation, Stability, and Cycloaddition Reactivity in the Gas Phase. Journal of Organic Chemistry, 1998, 63, 4889-4897.	3.2	26
34	The Gas-Phase Meerwein Reaction. Chemistry - A European Journal, 2000, 6, 897-905.	3.3	26
35	Direct sampling tandem mass spectrometry (MS/MS) and multiway calibration for isomer quantitation. Analyst, The, 2002, 127, 1054-1060.	3.5	26
36	Plasma eicosanoid profiles determined by high-performance liquid chromatography coupled with tandem mass spectrometry in stimulated peripheral blood from healthy individuals and sickle cell anemia patients in treatment. Analytical and Bioanalytical Chemistry, 2016, 408, 3613-3623.	3.7	26

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37	Enhanced xyloglucan-specific endo-Î²-1,4-glucanase efficiency in an engineered CBM44-XegA chimera. Applied Microbiology and Biotechnology, 2015, 99, 5095-5107.	3.6	25
38	Nitrate decreases xanthine oxidoreductase-mediated nitrite reductase activity and attenuates vascular and blood pressure responses to nitrite. Redox Biology, 2017, 12, 291-299.	9.0	25
39	Hepatotoxin microcystin-LR extraction optimization. Journal of the Brazilian Chemical Society, 2009, 20, 535-542.	0.6	23
40	Streptomyces araujoniae Produces a Multiantibiotic Complex with Ionophoric Properties to Control Botrytis cinerea. Phytopathology, 2014, 104, 1298-1305.	2.2	23
41	Highâ€resolution multiple reaction monitoring method for quantification of steroidal hormones in plasma. Journal of Mass Spectrometry, 2018, 53, 423-431.	1.6	23
42	Cyclization of acylium ions with nitriles: gas-phase synthesis and characterization of 1,3,5-oxadiazinium ions. International Journal of Mass Spectrometry, 2001, 212, 445-454.	1.5	22
43	Structurally diagnostic ion-molecule reactions: acylium ions with ?-, ?- and ?-hydroxy ketones. Journal of Mass Spectrometry, 2002, 37, 162-168.	1.6	22
44	Direct Analysis of Amphetamine Stimulants in a Whole Urine Sample by Atmospheric Solids Analysis Probe Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 944-947.	2.8	22
45	Engineering the GH1 Î²-glucosidase from Humicola insolens: Insights on the stimulation of activity by glucose and xylose. PLoS ONE, 2017, 12, e0188254.	2.5	22
46	Acyclic distonic acylium ions: Dual free radical and acylium ion reactivity in a single molecule. Journal of the American Society for Mass Spectrometry, 2000, 11, 697-704.	2.8	19
47	Transacetalization with gaseous carboxonium and carbosulfonium ions. Journal of the American Society for Mass Spectrometry, 2001, 12, 14-22.	2.8	19
48	A novel thermostable and halotolerant xylanase from Colletotrichum graminicola. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S508-S517.	1.8	19
49	Transacetalization of 1,3-dioxane with acylium and sulfinyl cations in the gas phase. Journal of the Chemical Society Perkin Transactions II, 1997, , 2105-2111.	0.9	17
50	Oxygen Atom Transfer to Positive Ions: A Novel Reaction of Ozone in the Gas Phase. Journal of the American Chemical Society, 1998, 120, 7869-7874.	13.7	17
51	Dereplication of Streptomyces sp. AMC 23 polyether ionophore antibiotics by accurate-mass electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 1117-1126.	1.6	17
52	Liquid chromatography-tandem mass spectrometry characterization of five new leucinostatins produced by Paecilomyces lilacinus CGâ€”189. Journal of Antibiotics, 2015, 68, 178-184.	2.0	17
53	Streptomyces atlanticus sp. nov., a novel actinomycete isolated from marine sponge Aplysina fulva (Pallas, 1766). Antonie Van Leeuwenhoek, 2016, 109, 1467-1474.	1.7	17
54	The First Nonclassical Distonic Ion. Journal of the American Chemical Society, 2000, 122, 7776-7780.	13.7	16

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55	Isolation and Characterization of Phytotoxic Compounds Produced by Streptomyces sp. AMC 23 from Red Mangrove (Rhizophora mangle). Applied Biochemistry and Biotechnology, 2013, 171, 1602-1616.	2.9	16
56	Characterization and mapping of secondary metabolites of Streptomyces sp. from caatinga by desorption electrospray ionization mass spectrometry (DESIâ€“MS). Analytical and Bioanalytical Chemistry, 2018, 410, 7135-7144.	3.7	16
57	A new method for the selective quantitation of cyanogenic glycosides by membrane introduction mass spectrometry. Analyst, The, 2000, 125, 1529-1531.	3.5	15
58	Metalloporphyrins as Biomimetic Models for Cytochrome P-450 in the Oxidation of Atrazine. Journal of Agricultural and Food Chemistry, 2006, 54, 10011-10018.	5.2	15
59	Pradimicin-IRD from Amycolatopsis sp. IRD-009 and its antimicrobial and cytotoxic activities. Natural Product Research, 2019, 33, 1713-1720.	1.8	15
60	Williamsia aurantiacus sp. nov. a novel actinobacterium producer of antimicrobial compounds isolated from the marine sponge. Archives of Microbiology, 2019, 201, 691-698.	2.2	14
61	Saccharopolyspora spongiae sp. nov., a novel actinomycete isolated from the marine sponge Scopalina ruetzleri (Wiedenmayer, 1977). International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2019-2025.	1.7	14
62	Gas phase chemistry of the 2-tert-butyl-3-phenylphosphirenylium cation: novel onium ions by nucleophilic attack at phosphorus and de novo P-spiro bicyclic phosphonium ions via [4 + 2+] cycloaddition with dienes. Organic and Biomolecular Chemistry, 2003, 1, 395-400.	2.8	13
63	Cyclam Î²⁴ to Î²³ Ligand Denticity Change Upon Mono-N-Substitution with a Carboxypropyl Pendant Arm in a Ruthenium Nitrosyl Complex. Inorganic Chemistry, 2008, 47, 4118-4125.	4.0	13
64	Gas-phase chemistry of acylium ions. Seven-to-five ring contraction of 1,3-dioxepane and 1,3-dioxep-5-ene. Journal of Mass Spectrometry, 1999, 34, 670-676.	1.6	12
65	Gas-Phase Synthesis and Characterization of an Azaphosphirenium Ion:â€‰ The First N,P-Analogue of the Aromatic Cyclopropenyl Cation. Organometallics, 2001, 20, 4863-4868.	2.3	12
66	Decolorization of textile dyes by cyanobacteria. Journal of the Brazilian Chemical Society, 2012, 23, 1863-1870.	0.6	12
67	In vitrometabolism of monensin A: microbial and human liver microsomes models. Xenobiotica, 2014, 44, 326-335.	1.1	12
68	Versatility of tandem mass spectrometry for focused analysis of oxylipids. Journal of Mass Spectrometry, 2015, 50, 879-890.	1.6	12
69	Novel binuclear Î¼-oxo diruthenium complexes combined with ibuprofen and ketoprofen: Interaction with relevant target biomolecules and anti-allergic potential. Journal of Inorganic Biochemistry, 2015, 153, 178-185.	3.5	12
70	Antimicrobial activity of crude extracts from actinomycetes against mastitis pathogens. Journal of Dairy Science, 2018, 101, 10116-10125.	3.4	12
71	Biomimetic simazine oxidation catalyzed by metalloporphyrins. Applied Catalysis A: General, 2011, 408, 163-170.	4.3	11
72	Albocycline, the main bioactive compound from Propionicimonas sp. ENT-18 against Sclerotinia sclerotiorum. Industrial Crops and Products, 2014, 52, 264-268.	5.2	11

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73	Solubility of commercial octacosanol in organic solvents and their correlation by thermodynamic models at different temperatures. Journal of Chemical Thermodynamics, 2017, 110, 186-192.	2.0	11
74	Pradimicin-IRD exhibits antineoplastic effects by inducing DNA damage in colon cancer cells. Biochemical Pharmacology, 2019, 168, 38-47.	4.4	11
75	Extraction of carotenoid-rich palm pressed fiber oil using mixtures of hydrocarbons and short chain alcohols. Food Research International, 2020, 128, 108810.	6.2	11
76	Mass spectrometric approaches for the identification of anthracycline analogs produced by actinobacteria. Journal of Mass Spectrometry, 2016, 51, 437-445.	1.6	10
77	Enzymatic Pretreatment with Laccases from Lentinus sajor-caju Induces Structural Modification in Lignin and Enhances the Digestibility of Tropical Forage Grass (Panicum maximum) Grown under Future Climate Conditions. International Journal of Molecular Sciences, 2021, 22, 9445.	4.1	10
78	Chemical characterization of Brazilian propolis using automated <scp>direct thermal desorption</scp>â€“<scp>gas chromatographyâ€“mass spectrometry</scp>. Journal of the Science of Food and Agriculture, 2022, 102, 4345-4354.	3.5	10
79	Multivariate curve resolution applied to MS/MS data obtained from isomeric mixtures. Analytica Chimica Acta, 2001, 446, 493-500.	5.4	9
80	Screening of organic nitrate explosives: selective ion/molecule reactions for the diagnostic ion NO2+. Journal of Mass Spectrometry, 2005, 40, 1506-1508.	1.6	9
81	The use of electrospray ionization tandem mass spectrometry on the structural characterization of novel asymmetric metallo-organic supermolecules, based on pentafluorophenylporphyrins and ruthenium complexes. Polyhedron, 2008, 27, 2721-2729.	2.2	9
82	Determination of Levetiracetam in Human Plasma by Dispersive Liquid-Liquid Microextraction Followed by Gas Chromatography-Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-12.	1.6	9
83	Apigenin-7-O-glucoside oxidation catalyzed by P450-bioinspired systems. Journal of Inorganic Biochemistry, 2017, 170, 117-124.	3.5	9
84	Tapping the biotechnological potential of insect microbial symbionts: new insecticidal porphyrins. BMC Microbiology, 2017, 17, 143.	3.3	9
85	Plasma Eicosanoid Profile in Plasmodium vivax Malaria: Clinical Analysis and Impacts of Self-Medication. Frontiers in Immunology, 2019, 10, 2141.	4.8	9
86	Quantitation of isomeric ethyl pyridine mixtures by multivariate calibration applied to ion-molecule reaction/collision-induced dissociation triple-stage mass spectra. Talanta, 2003, 60, 37-44.	5.5	8
87	Amycolatopsis rhabdoformis sp. nov., an actinomycete isolated from a tropical forest soil. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1786-1793.	1.7	8
88	Bioguided isolation, characterization and media optimization for production of Lysolipins by actinomycete as antimicrobial compound against Xanthomonas citri subsp. citri. Molecular Biology Reports, 2018, 45, 2455-2467.	2.3	8
89	Validated method for determination of bromopride in human plasma by liquid chromatography-electrospray tandem mass spectrometry: application to the bioequivalence study. Journal of Mass Spectrometry, 2005, 40, 1197-1202.	1.6	7
90	Jacobsen Catalyst as a Cytochrome P450 Biomimetic Model for the Metabolism of Monensin A. BioMed Research International, 2014, 2014, 1-8.	1.9	7

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91	Erythropoietin Exacerbates Inflammation and Increases the Mortality ofHistoplasma capsulatum-Infected Mice. Mediators of Inflammation, 2015, 2015, 1-11.	3.0	7
92	On the structure of them/z 70 ions fromN-H- andN-Br-succinimide: O=C=N=C=O+?. Journal of Mass Spectrometry, 1997, 32, 1137-1139.	1.6	6
93	Intrinsic Gas-Phase Reactivity of Ionized 6-(Oxomethylene)cyclohexa-2,4-dienone:â€‰ Evidence Pointing to Its Neutral Î±-Oxoketene Counterpart as a Proper Precursor of Various Benzopyran-4-ones and Analogues. Journal of Organic Chemistry, 2007, 72, 5986-5993.	3.2	6
94	Biomimetic oxidation studies of monensin A catalyzed by metalloporphyrins: Identification of hydroxyl derivative product by electrospray tandem mass spectrometry. Revista Brasileira De Farmacognosia, 2013, 23, 621-629.	1.4	6
95	Venturi Electrospray Ionization: Principles and Applications. International Journal of Mass Spectrometry, 2018, 431, 50-55.	1.5	6
96	Microbial Diversity and Chemical Multiplicity of Culturable, Taxonomically Similar Bacterial Symbionts of the Leaf-Cutting Ant Acromyrmex coronatus. Microbial Ecology, 2019, 77, 1067-1081.	2.8	4
97	Characterization of Casearin X Metabolism by Rat and Human Liver Microsomes. Planta Medica, 2019, 85, 282-291.	1.3	4
98	Diketopiperazines and arylethylamides produced by Schizophyllum commune, an endophytic fungus in Alchornea glandulosa. Ecletica Quimica, 2019, 44, 36-42.	0.5	4
99	Electron ionization mass spectra of bis-1,2,4-oxadiazoles: tandem mass spectrometry and accurate mass measurements. Rapid Communications in Mass Spectrometry, 2001, 15, 884-888.	1.5	3
100	Bioassay-Guided Isolation of a Low Molecular Weight PHB from Burkholderia sp. with Phytotoxic Activity. Applied Biochemistry and Biotechnology, 2013, 170, 1689-1701.	2.9	3
101	Anthocyanidins structural study using positive electrospray ionization triple quadrupole mass spectrometry and H/D exchange. Journal of Mass Spectrometry, 2018, 53, 1230-1237.	1.6	3
102	Solid phase microextraction as a powerful alternative for screening of secondary metabolites in actinomycetes. Journal of Mass Spectrometry, 2019, 54, 823-833.	1.6	3
103	Targeted analysis of eicosanoids derived from cytochrome P450 pathway by highâ€resolution multipleâ€reaction monitoring mass spectrometry. Journal of Mass Spectrometry, 2021, 56, e4769.	1.6	3
104	Recognition of Cyclic, Acyclic, Exocyclic, and Spiro Acetals via Structurally Diagnostic Ion/Molecule Reactions with the (CH3)2N-C+â•O Acylium Ion. Journal of Organic Chemistry, 2008, 73, 5549-5557.	3.2	2
105	Metalloporphyrins as cytochrome P450 models for chlorhexidine metabolite prediction. Applied Catalysis A: General, 2012, 447-448, 7-13.	4.3	2
106	Inhibition of inflammatory response in LPS induced macrophages by 9-KOTE and 13-KOTE produced by biotransformation. Enzyme and Microbial Technology, 2014, 58-59, 36-43.	3.2	2
107	DNAâ€“EB in agarose gel assay: a simple methodology in the search for DNA-binders in crude extracts from actinomycetes. Analytical Methods, 2016, 8, 2653-2659.	2.7	2
108	Tandem mass spectrometry methods to accelerate the identification of phytotoxic metabolites produced by Streptomyces sp. 39 PL. Natural Product Research, 2020, 34, 210-216.	1.8	2

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109	On the solvent and counter ion-free mechanism of ketalization reactions of gaseous activated carbonyls. International Journal of Mass Spectrometry, 2017, 421, 170-177.	1.5	1
110	Dose-response effect of crude extracts produced by actinobacteria on in vitro rumen fermentation. Brazilian Journal of Veterinary Research and Animal Science, 2018, 55, e141243.	0.2	1
111	Effects of the antimycobacterial compound 2-phenoxy-1-phenylethanone on rat hepatocytes and formation of metabolites. Pharmaceutical Biology, 2012, 50, 1317-1325.	2.9	0
112	â€œHole-catalyzedâ€•cycloadditions of the gaseous ionized nitrile N-oxides Ph-C N+O and CH3C N+O with model dipolarophiles. International Journal of Mass Spectrometry, 2017, 418, 24-29.	1.5	0
113	In vitro evaluation of novel crude extracts produced by actinobacteria for modulation of ruminal fermentation. Revista Brasileira De Zootecnia, 0, 48, .	0.8	0