Antonio E Crotti

List of Publications by Year
in descending order

115 papers	2,375 citations	201385 27 h-index	264894 42 g-index
123 all docs	123 docs citations	123 times ranked	3681 citing authors

#	Article	IF	Citations
1	Hexane extract from Spiranthera odoratissima A. St.-hil. leaves: chemical composition and its bioactive potential against Candida pathogenic species, Leishmania amazonensis and Xylella fastidiosa. Natural Product Research, 2022, 36, 2907-2912.	1.0	1
2	Synergism between essential oils: A promising alternative to control Sitophilus zeamais (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	10
3	Antibacterial activity of essential oils from Brazilian plants and their major constituents against foodborne pathogens and spoilage bacteria. Journal of Essential Oil Research, 2022, 34, 195-202.	1.3	6
4	Antischistosomal Activity of Essential Oils: An Updated Review. Chemistry and Biodiversity, 2022, , .	1.0	1
5	Isolation and detailed 1H and 13C NMR structural assignment for three trachylobanes from Psiadia punctulata (Asteraceae) grown in Africa. Phytochemistry Letters, 2022, 48, 28-33.	0.6	0
6	New challenges demand new solutions: Selected essential oils as an alternative to control Bemisia tabaci MED in Brazil. Crop Protection, 2022, 155, 105909.	1.0	1
7	Antibacterial Activity of Essential Oils against Oral Pathogens. Chemistry and Biodiversity, 2022, , .	1.0	6
8	Hexane extracts from fruit of two varieties of Capsicum chinense Jacq.: their volatile constituents and antiacetylcholinesterase, antileishmanial and antiproliferative activities. Natural Product Research, 2022, 36, 6160-6164.	1.0	4
9	Photodegradation of Fipronil by Zn-AlPO4 Materials Synthesized by Non-Hydrolytic Solâ€“Gel Method. ChemEngineering, 2022, 6, 55.	1.0	1
10	Electrospray ionization tandem mass spectrometry of deprotonated dihydrobenzofuran neolignans. Rapid Communications in Mass Spectrometry, 2021, 35, e8990.	0.7	3
11	Casearia sylvestris Essential Oil Degradation Products Generated by Leaf Processing. Chemistry and Biodiversity, 2021, 18, e2000880.	1.0	5
12	Geographical chemical variability and processing oxidation of volatile compounds of Casearia sylvestris leaves. Ecletica Quimica, 2021, 46, 42-48.	0.2	2
13	Chemical composition and biological activities of essential oil from flowers of Psidium guajava (Myrtaceae). Brazilian Journal of Biology, 2021, 81, 728-736.	0.4	20
14	In vitro anti-Trypanosoma cruzi activity enhancement of curcumin by its monoketone tetramethoxy analog diveratralacetone. Current Research in Parasitology and Vector-borne Diseases, 2021, 1, 100031.	0.7	4
15	Trypanocidal Activity of Dysphania ambrosioides , Lippia alba , and Tetradenia riparia Essential Oils against Trypanosoma cruzi. Chemistry and Biodiversity, 2021, 18, e2100678.	1.0	2
16	In Vitro Schistosomicidal Activities of the Leaf Extracts from Casearia sylvestris Varieties. Chemistry and Biodiversity, 2021, , .	1.0	3
17	Chemical composition of essential oils from different parts of Protium heptaphyllum (Aubl.) Marchand and their in vitro antibacterial activity. Natural Product Research, 2020, 34, 2378-2383.	1.0	11
18	Biological properties and chemical composition of essential oil from Nectandra megapotamica (Spreng.) Mez. leaves (Lauraceae). Natural Product Research, 2020, 34, 3149-3153.	1.0	6

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19	Reliable Methods for Analyses of Volatile Compounds of Copaifera Oleoresins Combining Headspace and Gas Chromatography. Chemistry and Biodiversity, 2020, 17, e1900440.	1.0	5
20	New antifungal ent-labdane diterpenes against Candida glabrata produced by microbial transformation of ent-polyalthic acid. Bioorganic Chemistry, 2020, 95, 103560.	2.0	4
21	In vitro antileishmanial and antioxidant activities of essential oils from different parts of Murraya paniculata (L.) Jack: a species of Rutaceae that occur in the Cerrado biome in Brazil. Australian Journal of Crop Science, 2020, , 347-353.	0.1	4
22	In vitro antimicrobial activity of Spiranthera odoratissima A. St. Hil. essential oils against foodborne pathogens and food spoilage bacteria. Australian Journal of Crop Science, 2020, , 333-338.	0.1	4
23	Electrospray ionization tandem mass spectrometry of monoketone curcuminoids. Rapid Communications in Mass Spectrometry, 2020, 34, e8699.	0.7	1
24	Copaiba oil suppresses inflammation in asthmatic lungs of BALB/c mice induced with ovalbumin. International Immunopharmacology, 2020, 80, 106177.	1.7	10
25	Antileishmanial activity of Melampodium divaricatum and Casearia sylvestris essential oils on Leishmania amazonensis. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2019, 61, e33.	0.5	31
26	Biological properties of volatile oil from Brazilian brown propolis. Revista Brasileira De Farmacognosia, 2019, 29, 807-810.	0.6	21
27	Chemical constituents of essential oil from Murraya paniculata leaves and its application to in vitro biological control of the fungus Sclerotinia sclerotiorum. Food Science and Technology, 2019, 39, 413-417.	0.8	10
28	Chemical Composition and Schistosomicidal Activity of Essential Oils of Two Piper Species from the Amazon Region. Journal of Essential Oil-bearing Plants: JEOP, 2019, 22, 811-820.	0.7	10
29	Eugenia pyriformis Cambess: a species of the Myrtaceae family with bioactive essential oil. Natural Product Research, 2019, , 1-5.	1.0	13
30	Acidic and hepatic derivatives of bioactive clerodane diterpenes casearins J and O. FÃ¬toterapÃ¬Ã¢, 2019, 137, 104197.	1.1	4
31	In vitro and in vivo anti-Helicobacter pylori activity of Casearia sylvestris leaf derivatives. Journal of Ethnopharmacology, 2019, 233, 1-12.	2.0	39
32	Gasâ€phase fragmentation reactions of protonated benzofuranâ€•and dihydrobenzofuranâ€type neolignans investigated by accurateâ€mass electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2019, 54, 35-46.	0.7	4
33	Insecticidal and inhibitory effects of dihydrobenzofuran neolignans on Bemisia tabaci. Journal of Pest Science, 2019, 92, 861-869.	1.9	2
34	Antimicrobial and Cytotoxic Activity of Dihydrobenzofuran Neolignans. ChemistrySelect, 2018, 3, 1836-1839.	0.7	5
35	Gasâ€phase fragmentation reactions of protonated cocaine: New details to an old story. Journal of Mass Spectrometry, 2018, 53, 203-213.	0.7	7
36	Chemical composition and in vitro antileishmanial and cytotoxic activities of the essential oils of Ocotea dispersa (Nees) Mez and Ocotea odorifera (Vell) Rohwer (Lauraceae). Natural Product Research, 2018, 32, 2865-2868.	1.0	10

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37	Costus spiralis (<scp>Jacq</scp>.) <scp>Roscoe</scp>: A Novel Source of Flavones with Î±â€Glycosidase Inhibitory Activity. Chemistry and Biodiversity, 2018, 15, e1700421.	1.0	11
38	Geraniol and linalool anticandidal activity, genotoxic potential and embryotoxic effect on zebrafish. Future Microbiology, 2018, 13, 1637-1646.	1.0	21
39	In vitro evaluation of essential oils for potential antibacterial effects against Xylella fastidiosa. Journal of Phytopathology, 2018, 166, 790-798.	0.5	15
40	Chemical composition and evaluation of antileishmanial and cytotoxic activities of the essential oil from leaves of Cryptocarya aschersoniana Mez. (Lauraceae Juss.). Anais Da Academia Brasileira De Ciencias, 2018, 90, 2671-2678.	0.3	27
41	Antimicrobial Activity of Monoketone Curcuminoids Against Cariogenic Bacteria. Chemistry and Biodiversity, 2018, 15, e1800216.	1.0	11
42	Chemical composition and antibacterial activity of essential oils from Citrus aurantifolia leaves and fruit peel against oral pathogenic bacteria. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1285-1292.	0.3	50
43	Schistosomicidal Activity of Dihydrobenzofuran Neolignans. Chemistry and Biodiversity, 2018, 15, e1800134.	1.0	11
44	Bioactivity of selected plant-derived essential oils against Zabrotes subfasciatus (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.2	7
45	Electrospray ionization tandem mass spectrometry of labdaneâ€type acid diterpenes. Journal of Mass Spectrometry, 2018, 53, 1086-1096.	0.7	12
46	Chemical Constituents of Essential Oils Extracted from the Leaves and Flowers of Spiranthera odoratissima A. St. Hil. (Rutaceae). Records of Natural Products, 2018, 13, 172-175.	1.3	3
47	Structure-antimicrobial activity relationships of monoketone curcuminoids. International Journal of Complementary & Alternative Medicine, 2018, 11, .	0.1	0
48	In Vitro Metabolism of Artepillin C by Rat and Human Liver Microsomes. Planta Medica, 2017, 83, 737-745.	0.7	9
49	Precursor Ion Scan Mode-Based Strategy for Fast Screening of Polyether Ionophores by Copper-Induced Gas-Phase Radical Fragmentation Reactions. Analytical Chemistry, 2017, 89, 3929-3936.	3.2	5
50	Chemical Composition and Antimicrobial Activity of the Essential Oil of Artemisia absinthium Asteraceae Leaves. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 123-131.	0.7	21
51	Chemical Composition, Antibacterial, Schistosomicidal, and Cytotoxic Activities of the Essential Oil of Dysphania ambrosioides (L.) <scp>Mosyakin</scp> & <scp>Clemants</scp> (Chenopodiaceae). Chemistry and Biodiversity, 2017, 14, e1700149.	1.0	31
52	Copaifera duckei oleoresin as a novel alternative for treatment of monogenean infections in pacu Piaractus mesopotamicus. Aquaculture, 2017, 471, 72-79.	1.7	30
53	Schistosomicidal Effects of the Essential Oils of Citrus limonia and Citrus reticulata Against Schistosoma mansoni. Chemistry and Biodiversity, 2017, 14, e1600194.	1.0	15
54	Fragmentation of 2â€aroylbenzofuran derivatives by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2017, 52, 809-816.	0.7	11

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55	In vitro Activities of Pfaffia glomerata Root Extract, Its Hydrolyzed Fractions and Pfaffic Acid Against Trypanosoma cruzi Trypomastigotes. Chemistry and Biodiversity, 2017, 14, e1600175.	1.0	4
56	Chemical Composition and Antibacterial Activity of the Essential Oil of Vitex agnus-castus L. (Lamiaceae). Anais Da Academia Brasileira De Ciencias, 2017, 89, 2825-2832.	0.3	14
57	Differentiation between 3,4- and 4,15-Epoxyeudesmanolides by Electrospray Ionization Tandem Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-9.	0.7	4
58	Screening of Selected Plant-Derived Extracts for Their Antimicrobial Activity against Oral Pathogens. International Journal of Complementary & Alternative Medicine, 2017, 6, .	0.1	0
59	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.	1.2	22
60	Fragmentation reactions using electrospray ionization mass spectrometry: an important tool for the structural elucidation and characterization of synthetic and natural products. Natural Product Reports, 2016, 33, 432-455.	5.2	332
61	Antifungal activity of plant-derived essential oils onCandida tropicalisplanktonic and biofilms cells. Medical Mycology, 2016, 54, 515-523.	0.3	46
62	Detailed1H and13C NMR Spectral Data Assignment for Two Dihydrobenzofuran Neolignans. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
63	Antimicrobial activity of the essential oil of Tetradenia riparia (Hochst.) Codd. (Lamiaceae) against cariogenic bacteria. Brazilian Journal of Microbiology, 2015, 46, 519-525.	0.8	30
64	Antimicrobial Activity of the Essential Oil ofPlectranthus neochilusagainst Cariogenic Bacteria. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-6.	0.5	34
65	Antischistosomal and Cytotoxic Effects of the Essential Oil of Tetradenia riparia (Lamiaceae). Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	5
66	Botanical extracts: alternative control for silverleaf whitefly management in tomato Extratos botÃ¢nicos: controle alternativo para o manejo de mosca-branca em tomateiro. Horticultura Brasileira, 2015, 33, 59-65.	0.1	11
67	Cytotoxicity screening of essential oils in cancer cell lines. Revista Brasileira De Farmacognosia, 2015, 25, 183-188.	0.6	105
68	Anthelmintic Effects of the Essential Oil of Fennel (Foeniculum vulgare<scp>Mill</scp>.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.0	22
69	Bioactivity of Pelargonium graveolens essential oil and related monoterpenoids against sweet potato whitefly, Bemisia tabaci biotype B. Journal of Pest Science, 2015, 88, 191-199.	1.9	37
70	Anthelmintic Activity of Crude Extract and Essential Oil ofTanacetum vulgare(Asteraceae) against Adult Worms ofSchistosoma mansoni. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	41
71	Copaiba Oil Suppresses Inflammatory Cytokines in Splenocytes of C57Bl/6 Mice Induced with Experimental Autoimmune Encephalomyelitis (EAE). Molecules, 2014, 19, 12814-12826.	1.7	28
72	Microwave-Assisted Synthesis and Antileishmanial Activity of 3-methoxycarbonyl-Î³-butyrolactone Derivatives. Journal of the Brazilian Chemical Society, 2014, , .	0.6	0

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73	Hepatoprotective effect of Rosmarinus officinalis and rosmarinic acid on acetaminophen-induced liver damage. Emirates Journal of Food and Agriculture, 2014, 26, 878.	1.0	15
74	Dereplication ofStreptomycessp. AMC 23 polyether ionophore antibiotics by accurate-mass electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 1117-1126.	0.7	17
75	Plant-derived essential oils affecting settlement and oviposition of Bemisia tabaci (Genn.) biotype B on tomato. Journal of Pest Science, 2013, 86, 301-308.	1.9	42
76	Chemical composition, antischistosomal and cytotoxic effects of the essential oil of Lavandula angustifolia grown in Southeastern Brazil. Revista Brasileira De Farmacognosia, 2013, 23, 877-884.	0.6	25
77	Two Novel Plumeran Indole Alkaloids Isolated from Aspidosperma cylindrocarpon (Apocynaceae). Helvetica Chimica Acta, 2013, 96, 1793-1800.	1.0	7
78	Metabolic response induced by endophytic fungi and bacteria in H. marrubioides Epling in vitro microplants. Quimica Nova, 2013, 36, 1014-1020.	0.3	8
79	In vitro schistosomicidal effects of the essential oil of Tagetes erecta. Revista Brasileira De Farmacognosia, 2012, 22, 88-93.	0.6	27
80	In vitro efficacy of the essential oil of Piper cubeba L. (Piperaceae) against Schistosoma mansoni. Parasitology Research, 2012, 110, 1747-1754.	0.6	43
81	Antileishmanial Activity of the Hydroalcoholic Extract of Miconia langsdorffii, Isolated Compounds, and Semi-Synthetic Derivatives. Molecules, 2011, 16, 1825-1833.	1.7	41
82	Schistosomicidal Activity of the Essential Oil of Ageratum conyzoides L. (Asteraceae) against Adult Schistosoma mansoni Worms. Molecules, 2011, 16, 762-773.	1.7	64
83	Chemical Composition and in vitro Schistosomicidal Activity of the Essential Oil of Plectranthus neochilus Grown in Southeast Brazil. Chemistry and Biodiversity, 2011, 8, 2149-2157.	1.0	51
84	Biomimetic Oxidation of Piperine and Piplartine Catalyzed by Iron(III) and Manganese(III) Porphyrins. Biological and Pharmaceutical Bulletin, 2010, 33, 912-916.	0.6	27
85	Electrospray MSâ€based characterization of Î²â€carbolines â€“ mutagenic constituents of thermally processed meat. Molecular Nutrition and Food Research, 2010, 54, 433-439.	1.5	15
86	Iron-alumina materials prepared by the non-hydrolytic solâ€“gel route: Synthesis, characterization and application in hydrocarbons oxidation using hydrogen peroxide as oxidant. Applied Catalysis A: General, 2010, 389, 147-154.	2.2	25
87	Fragmentation of plumeran indole alkaloids from Aspidosperma spruceanum by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 295-308.	0.7	25
88	Lychnophorinae (asteraceae): a survey of its chemical constituents and biological activities. Quimica Nova, 2010, 33, 2245-2260.	0.3	41
89	Screening of Filamentous Fungi to Identify Biocatalysts for Lupeol Biotransformation. Molecules, 2010, 15, 6140-6151.	1.7	30
90	Synthesis of 7-Hydroperoxycholesterol and Its Separation, Identification, and Quantification in Cholesterol Heated Model Systems. Journal of Agricultural and Food Chemistry, 2010, 58, 10226-10230.	2.4	10

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91	Antimicrobial activity of Aegiphila sellowiana Cham., Lamiaceae, against oral pathogens. Revista Brasileira De Farmacognosia, 2010, 20, 246-249.	0.6	10
92	Gasâ€phase dissociation of 1,4â€naphthoquinone derivative anions by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 1224-1233.	0.7	21
93	Gasâ€phase fragmentation of Î³â€lactone derivatives by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 1733-1741.	0.7	21
94	Screening of plant extracts from the Brazilian Cerrado for theirin vitrotrypanocidal activity. Pharmaceutical Biology, 2009, 47, 744-749.	1.3	7
95	Spruceanumines A and B, novel plumeran indole alkaloids from Aspidosperma spruceanum(Apocynaceae). Journal of the Brazilian Chemical Society, 2009, 20, 753-759.	0.6	6
96	Hypoglicemic effect of Leandra lacunosa in normal and alloxan-induced diabetic rats. FÃ¬toterapÃ¬Ã¢, 2008, 79, 356-360.	1.1	38
97	AplicaÃ§Ã£o da quÃmica quÃ¢ntica computacional no estudo de processos quÃmicos envolvidos em espectrometria de massas. Quimica Nova, 2008, 31, 840-853.	0.3	24
98	Genotoxicity of 15-deoxygoyazensolide in bacteria and yeast. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 631, 16-25.	0.9	9
99	Fragmentation of diketopiperazines from Aspergillus fumigatus by electrospray ionization tandem mass spectrometry (ESIâ€MS/MS). Journal of Mass Spectrometry, 2007, 42, 1279-1286.	0.7	41
100	Antifeedant and allelopathic activities of the hydroalcoholic extract obtained from Neem (Azadirachta indica) leaves. Revista Brasileira De Farmacognosia, 2007, 17, 529-532.	0.6	15
101	Espectrometria de massas com ionizaÃ§Ã£o por "electrospray": processos quÃmicos envolvidos na formaÃ§Ã£o de Ãons de substÂncias orgÂnicas de baixo peso molecular. Quimica Nova, 2006, 29, 287-292.	0.3	41
102	2D Raman spectroscopy as an alternative technique for distinguishing oleanoic acid and ursolic acid. Journal of Molecular Structure, 2006, 799, 141-145.	1.8	8
103	Identification of biologically active triterpenes and sterols present in hexane extracts fromMiconia species using high-resolution gas chromatography. Biomedical Chromatography, 2006, 20, 827-830.	0.8	28
104	Triple quadrupole tandem mass spectrometry of sesquiterpene lactones: a study of goyazensolide and its congeners. Journal of Mass Spectrometry, 2005, 40, 1030-1034.	0.7	40
105	Sesquiterpene lactones from Minasia alpestris. Journal of the Brazilian Chemical Society, 2005, 16, 677-680.	0.6	11
106	Electrospray ionization mass spectrometry screening of piperidine alkaloids from Senna spectabilis (Fabaceae) extracts: fast identification of new constituents and co-metabolites. Journal of the Brazilian Chemical Society, 2005, 16, 1431-1438.	0.6	31
107	The fragmentation mechanism of five-membered lactones by electrospray ionisation tandem mass spectrometry. International Journal of Mass Spectrometry, 2004, 232, 271-276.	0.7	53
108	Total assignment of1H and13C NMR data for the sesquiterpene lactone 15-deoxygoyazensolide. Magnetic Resonance in Chemistry, 2004, 42, 364-367.	1.1	15

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109	Evaluation of the analgesic activity of extracts of Miconia rubiginosa (Melastomataceae). Phytomedicine, 2003, 10, 606-609.	2.3	31
110	In VitroTrypanocidal Activity of Triterpenes fromMiconiaSpecies. Planta Medica, 2003, 69, 470-472.	0.7	80
111	Essential Oil from Psidium cattleianum Sabine (Myrtaceae) Fresh Leaves: Chemical Characterization and in vitro Antibacterial Activity Against Endodontic Pathogens. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	16
112	Brazilian Green Propolis: Chemical Composition of Essential Oil and Their In Vitro Antioxidant, Antibacterial and Antiproliferative Activities. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	16
113	Optimization of the Reaction Conditions for the Synthesis of Dihydrobenzofuran Neolignans. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
114	Chemical composition and in vitro antibacterial activity of essential oils from Murraya paniculata (L.) Jack (Rutaceae) ripe and unripe fruits against bacterial genera Mycobacterium and Streptococcus. Brazilian Journal of Pharmaceutical Sciences, 0, 56, .	1.2	1
115	Hexane Extract from Tradescantia pallida (Rose) D.R. Hunt (Commelinaceae): Its Volatile Constituents and in vitro Antifungal and Cytotoxic Activities. Brazilian Archives of Biology and Technology, 0, 65, .	0.5	3