Bharathi Avula

List of Publications by Year
in descending order

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106 papers	2,450 citations	236612 25 h-index	253896 43 g-index
109 all docs	109 docs citations	109 times ranked	3297 citing authors

#	Article	IF	Citations
1	Assessment of Herb-Drug Interaction Potential of Five Common Species of Licorice and Their Phytochemical Constituents. Journal of Dietary Supplements, 2023, 20, 582-601.	1.4	8
2	Possible Herb-Drug Interaction Risk of Some Nutritional and Beauty Supplements on Antiretroviral Therapy in HIV Patients. Journal of Dietary Supplements, 2022, 19, 62-77.	1.4	3
3	Licochalcone L, an undescribed retrochalcone from Glycyrrhiza inflata roots. Natural Product Research, 2022, 36, 200-206.	1.0	5
4	Phenoxychromone and 4-hydroxyisoflavans from the roots of Glycyrrhiza uralensis. Natural Product Research, 2022, 36, 3850-3857.	1.0	2
5	Analysis of docosanol using GC/MS: Method development, validation, and application to exÂvivo human skin permeation studies. Journal of Pharmaceutical Analysis, 2022, 12, 287-292.	2.4	7
6	Comparative analysis of five Salvia species using LC-DAD-QToF. Journal of Pharmaceutical and Biomedical Analysis, 2022, 209, 114520.	1.4	11
7	A Multitarget Approach to Evaluate the Efficacy of AquilariaÂsinensis Flower Extract against Metabolic Syndrome. Molecules, 2022, 27, 629.	1.7	4
8	Comparative pharmacokinetics and tissue distribution of primaquine enantiomers in mice. Malaria Journal, 2022, 21, 33.	0.8	4
9	Relative safety and quality of various dietary supplement products U.S. Service Members ask about. Clinical Toxicology, 2022, 60, 737-744.	0.8	6
10	Analysis of Crocetins and Safranal Variations in Saffron (Crocus sativus) Stigma Samples and Dietary Supplements Using HPLC/UHPLC-PDA-MS: Chemical Profiling and Chemometric Analysis Using LC-QToF. Food Analytical Methods, 2022, 15, 2238-2259.	1.3	6
11	Simultaneous determination and characterization of flavonoids, sesquiterpene lactone, and other phenolics from Centaurea benedicta and dietary supplements using UHPLC-PDA-MS and LC-DAD-QToF. Journal of Pharmaceutical and Biomedical Analysis, 2022, 216, 114806.	1.4	3
12	Modulation of CYP3A4 and CYP2C9 activity by Bulbine natalensis and its constituents: An assessment of HDI risk of B. natalensis containing supplements. Phytomedicine, 2021, 81, 153416.	2.3	13
13	Five Unapproved Drugs Found in Cognitive Enhancement Supplements. Neurology: Clinical Practice, 2021, 11, e303-e307.	0.8	16
14	Comparative study and quality evaluation regarding morphology characters, volatile constituents, and triglycerides in seeds of five species used in traditional Chinese medicine. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113801.	1.4	7
15	A Comprehensive Workflow for the Analysis of Bio-Macromolecular Supplements: Case Study of 20 Whey Protein Products. Journal of Dietary Supplements, 2021, , 1-19.	1.4	2
16	Quantitative determination and characterization of polyphenols from Cissus quadrangularis L. and dietary supplements using UHPLC-PDA-MS, LC-QToF and HPTLC. Journal of Pharmaceutical and Biomedical Analysis, 2021, 199, 114036.	1.4	13
17	Chemical Profiling and Characterization of Anthraquinones from Two Bulbine Species and Dietary Supplements Using Liquid Chromatographyâ€"High Resolution Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2021, 104, 1394-1407.	0.7	2
18	Eupatorin 3â€²-O-glucopyranoside, a trimethoxyflavonoid glucoside from the aerial parts of Salvia mellifera. Natural Product Research, 2021, , 1-8.	1.0	4

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19	Plant Extract of Limonium gmelinii Attenuates Oxidative Responses in Neurons, Astrocytes, and Cerebral Endothelial Cells In Vitro and Improves Motor Functions of Rats after Middle Cerebral Artery Occlusion. Antioxidants, 2021, 10, 1814.	2.2	3
20	Analysis of prenylflavonoids from aerial parts of Epimedium grandiflorum and dietary supplements using HPTLC, UHPLC-PDA and UHPLC-QToF along with chemometric tools to differentiate Epimedium species. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112843.	1.4	11
21	Development and Validation of a UHPLC-PDA-MS Method for the Quantitative Analysis of Anthraquinones in Bulbine natalensis Extracts and Dietary Supplements. Planta Medica, 2020, 86, 144-150.	0.7	5
22	Identification of Antifungal Bisphosphocholines from Medicinal Gentiana Species. Journal of Natural Products, 2020, 83, 3207-3211.	1.5	5
23	Ashwagandha as a cause for liver injury. Liver International, 2020, 40, 2035-2036.	1.9	2
24	Quantification and Characterization of Phenolic Compounds from Northern Indian Propolis Extracts and Dietary Supplements. Journal of AOAC INTERNATIONAL, 2020, 103, 1378-1393.	0.7	9
25	A Public Health Issue: Dietary Supplements Promoted for Brain Health and Cognitive Performance. Journal of Alternative and Complementary Medicine, 2020, 26, 265-272.	2.1	26
26	Ashwagandhaâ€induced liver injury: A case series from Iceland and the US Drugâ€Induced Liver Injury Network. Liver International, 2020, 40, 825-829.	1.9	51
27	The scoop on brain health dietary supplement products containing huperzine A. Clinical Toxicology, 2020, 58, 991-996.	0.8	10
28	Chemical profiling and characterization of phenolic acids, flavonoids, terpene glycosides from Vangueria agrestis using ultraâ€highâ€performance liquid chromatography/ion mobility quadrupole timeâ€ofâ€flight mass spectrometry and metabolomics approach. Biomedical Chromatography, 2020, 34, e4840.	0.8	8
29	Characterization, Quantification and Quality Assessment of Avocado (Persea americana Mill.) Oils. Molecules, 2020, 25, 1453.	1.7	23
30	Liquid chromatography-quadrupole time of flight mass spectrometric method for targeted analysis of 111 nitrogen-based compounds in weight loss and ergogenic supplements. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 305-323.	1.4	13
31	Melt-Cast Films Significantly Enhance Triamcinolone Acetonide Delivery to the Deeper Ocular Tissues. Pharmaceutics, 2019, 11, 158.	2.0	10
32	Structural Characterization of Cranberry Arabinoxyloglucan Oligosaccharides. Journal of Natural Products, 2019, 82, 606-620.	1.5	6
33	Quantitative determination and pharmacokinetic study of fusaricidin A in mice plasma and tissues using ultra-high performance liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2019, 170, 187-192.	1.4	7
34	Severe and protracted cholestasis in 44 young men taking bodybuilding supplements: assessment of genetic, clinical and chemical risk factors. Alimentary Pharmacology and Therapeutics, 2019, 49, 1195-1204.	1.9	43
35	Decaffeinated Green Tea Extract Does Not Elicit Hepatotoxic Effects and Modulates the Gut Microbiome in Lean B6C3F1 Mice. Nutrients, 2019, 11, 776.	1.7	17
36	The power of hyphenated chromatographyâ€"Time of flight mass spectrometry for unequivocal identification of spirostanes in bodybuilding dietary supplements. Journal of Pharmaceutical and Biomedical Analysis, 2019, 167, 74-82.	1.4	11

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37	The Chemical Characterization of Eleutherococcus senticosus and Ci-wu-jia Tea using UHPLC-UV-QTOF/MS. International Journal of Molecular Sciences, 2019, 20, 475.	1.8	30
38	Pharmacokinetics and Tissue Distribution of Aegeline after Oral Administration in Mice. Planta Medica, 2019, 85, 491-495.	0.7	3
39	Identification and Characterization of Key Chemical Constituents in Processed Gastrodia elata Using UHPLC-MS/MS and Chemometric Methods. Journal of Analytical Methods in Chemistry, 2019, 2019, 1-10.	0.7	15
40	Quantification of Phenolic Compounds from Fadogia agrestis and Dietary Supplements using UHPLC-PDA-MS. Planta Medica, 2019, 85, 145-153.	0.7	4
41	Piper nigrum Oil â€“ Determination of Selected Terpenes for Quality Evaluation. Planta Medica, 2019, 85, 185-194.	0.7	13
42	In Situ Gel of Triamcinolone Acetonide-Loaded Solid Lipid Nanoparticles for Improved Topical Ocular Delivery: Tear Kinetics and Ocular Disposition Studies. Nanomaterials, 2019, 9, 33.	1.9	97
43	Identification of fusaricidins from the antifungal microbial strain Paenibacillus sp. MS2379 using ultra-high performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2019, 1586, 91-100.	1.8	8
44	Endocyclic double bond isomers and by-products from rebaudioside A and stevioside formed under acid conditions. Phytochemistry Letters, 2018, 25, 163-170.	0.6	6
45	Detection and quantification of phenethylamines in sports dietary supplements by NMR approach. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 347-355.	1.4	29
46	Quantitative Determination of Î”9-THC, CBG, CBD, Their Acid Precursors and Five Other Neutral Cannabinoids by UHPLC-UV-MS. Planta Medica, 2018, 84, 260-266.	0.7	36
47	Application of GC/Q-ToF Combined with Advanced Data Mining and Chemometric Tools in the Characterization and Quality Control of Bay Leaves. Planta Medica, 2018, 84, 1045-1054.	0.7	4
48	The Red Yeast Rice story: How to manufacture a tall tale from nature. European Journal of Preventive Cardiology, 2018, 25, 73-75.	0.8	0
49	Monoamine oxidases inhibitors from Colvillea racemosa : Isolation, biological evaluation, and computational study. FÃ¬toterapÃ¬Ã¢, 2018, 124, 217-223.	1.1	14
50	Tetra-glucopyranosyl Diterpene ent-Kaur-16-en-19-oic Acid and ent-13(S)-Hydroxyatisenoic Acid Derivatives from a Commercial Extract of Stevia rebaudiana (Bertoni) Bertoni. Molecules, 2018, 23, 3328.	1.7	5
51	Impact of obesity on the toxicity of a multi-ingredient dietary supplement, OxyELITE Proâ„¢ (New) Tj ETQq1 1 0.784314 rgBT /Overlock Food and Chemical Toxicology, 2018, 122, 21-32.	1.8	6
52	Targeted and non-targeted analysis of annonaceous alkaloids and acetogenins from Asimina and Annona species using UHPLC-QToF-MS. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 548-566.	1.4	22
53	Metabolism of primaquine in normal human volunteers: investigation of phase I and phase II metabolites from plasma and urine using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. Malaria Journal, 2018, 17, 294.	0.8	28
54	Updates to a 13 C metabolic flux analysis model for evaluating energy metabolism in cultured cerebellar granule neurons from neonatal rats. Neurochemistry International, 2017, 109, 54-67.	1.9	12

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55	Metabolic Profiling of Hoodia, Chamomile, Terminalia Species and Evaluation of Commercial Preparations Using Ultrahigh-Performance Liquid Chromatography Quadrupole-Time-of-Flight Mass Spectrometry. Planta Medica, 2017, 83, 1297-1308.	0.7	10
56	Separation of cucurbitane triterpenoids from bitter melon drinks and determination of partition coefficients using vortex-assisted dispersive liquid-phase microextraction followed by UHPLC analysis. Journal of Separation Science, 2017, 40, 2238-2245.	1.3	6
57	Rebaudiosides T and U, minor C-19 xylopyranosyl and arabinopyranosyl steviol glycoside derivatives from Stevia rebaudiana (Bertoni) Bertoni. Phytochemistry, 2017, 135, 106-114.	1.4	18
58	Quantitative Determination of Cannabinoids in Cannabis and Cannabis Products Using Ultraâ€Highâ€Performance Supercritical Fluid Chromatography and Diode Array/Mass Spectrometric Detection. Journal of Forensic Sciences, 2017, 62, 602-611.	0.9	53
59	PXR mediated induction of CYP3A4, CYP1A2, and Pâ€gp by Mitragyna speciosa and its alkaloids. Phytotherapy Research, 2017, 31, 1935-1945.	2.8	33
60	Variability in strength of red yeast rice supplements purchased from mainstream retailers. European Journal of Preventive Cardiology, 2017, 24, 1431-1434.	0.8	37
61	Pharmaceutical doses of the banned stimulant oxilofrine found in dietary supplements sold in the USA. Drug Testing and Analysis, 2017, 9, 135-142.	1.6	23
62	Assignment of sugar arrangement in branched steviol glycosides using electrospray ionization quadrupole timeâ€ofâ€flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 315-324.	0.7	10
63	Eleutherococcus senticosus (Araliaceae) Leaf Morpho-Anatomy, Essential Oil Composition, and Its Biological Activity Against Aedes aegypti (Diptera: Culicidae). Journal of Medical Entomology, 2017, 54, 658-669.	0.9	11
64	Safety assessment of the dietary supplement OxyELITEâ„¢ Pro (New Formula) in inbred and outbred mouse strains. Food and Chemical Toxicology, 2017, 109, 194-209.	1.8	18
65	Decarboxylation Study of Acidic Cannabinoids: A Novel Approach Using Ultra-High-Performance Supercritical Fluid Chromatography/Photodiode Array-Mass Spectrometry. Cannabis and Cannabinoid Research, 2016, 1, 262-271.	1.5	173
66	Tandem Mass Spectrometry for Structural Identification of Sesquiterpene Alkaloids from the Stems of Dendrobium nobile Using LC-QToF. Planta Medica, 2016, 82, 662-670.	0.7	29
67	Simultaneous Determination of Aegeline and Six Coumarins from Different Parts of the Plant Aegle marmelos Using UHPLC-PDA-MS and Chiral Separation of Aegeline Enantiomers Using HPLC-ToF-MS. Planta Medica, 2016, 82, 580-588.	0.7	15
68	Pathway-specific inhibition of primaquine metabolism by chloroquine/quinine. Malaria Journal, 2016, 15, 466.	0.8	19
69	Identification and quantification of vinpocetine and picamilon in dietary supplements sold in the United States. Drug Testing and Analysis, 2016, 8, 334-343.	1.6	29
70	Concurrent supercritical fluid chromatographic analysis of terpene lactones and ginkgolic acids in Ginkgo biloba extracts and dietary supplements. Analytical and Bioanalytical Chemistry, 2016, 408, 4649-4660.	1.9	18
71	Differential kinetic profiles and metabolism of primaquine enantiomers by human hepatocytes. Malaria Journal, 2016, 15, 224.	0.8	19
72	13C metabolic flux analysis in neurons utilizing a model that accounts for hexose phosphate recycling within the pentose phosphate pathway. Neurochemistry International, 2016, 93, 26-39.	1.9	18

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73	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (Dioscorea villosa) root extract in invasive human breast cancer cell line MDA-MB-231 inÂvitro. Archives of Biochemistry and Biophysics, 2016, 591, 98-110.	1.4	52
74	Inhibition of CYP3A4 and CYP1A2 byAegle marmelosand its constituents. Xenobiotica, 2016, 46, 117-125.	0.5	16
75	Studies on Pharmacokinetic Drug Interaction Potential of Vinpocetine. Medicines (Basel, Switzerland), 2015, 2, 93-105.	0.7	9
76	Characterization and screening of pyrrolizidine alkaloids and N-oxides from botanicals and dietary supplements using UHPLC-high resolution mass spectrometry. Food Chemistry, 2015, 178, 136-148.	4.2	88
77	Enantioselective Pharmacokinetics of Primaquine in Healthy Human Volunteers. Drug Metabolism and Disposition, 2015, 43, 571-577.	1.7	20
78	Fast Identification of 1,3-Dimethylamylamine Using Direct Analysis in Real Time-QToF-MS. Journal of AOAC INTERNATIONAL, 2015, 98, 757-759.	0.7	5
79	Authentication of true cinnamon (Cinnamon verum) utilising direct analysis in real time (DART)-QToF-MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 1-8.	1.1	52
80	Methylhexanamine is not detectable in Pelargonium or Geranium species and their essential oils: A multiâ€centre investigation. Drug Testing and Analysis, 2015, 7, 645-654.	1.6	15
81	Assessment of Total Phenolic and Flavonoid Content, Antioxidant Properties, and Yield of Aeroponically and Conventionally Grown Leafy Vegetables and Fruit Crops: A Comparative Study. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	0.5	277
82	Characterization of Steroidal Saponins from Dioscorea villosa and D. cayenensis Using Ultrahigh Performance Liquid Chromatography/Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometry. Planta Medica, 2014, 80, 321-329.	0.7	20
83	Evaluation of In Vitro Absorption, Distribution, Metabolism, and Excretion (ADME) Properties of Mitragynine, 7-Hydroxymitragynine, and Mitraphylline. Planta Medica, 2014, 80, 568-576.	0.7	61
84	Quantitative determination of seven chemical constituents and chemo-type differentiation of chamomiles using high-performance thin-layer chromatography. Journal of Separation Science, 2014, 37, 2797-2804.	1.3	19
85	Quantitative determination of phenolic compounds by UHPLC-UVâ€"MS and use of partial least-square discriminant analysis to differentiate chemo-types of Chamomile/Chrysanthemum flower heads. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 278-288.	1.4	50
86	Investigating sub-2Î¼m particle stationary phase supercritical fluid chromatography coupled to mass spectrometry for chemical profiling of chamomile extracts. Analytica Chimica Acta, 2014, 847, 61-72.	2.6	31
87	An integrated approach utilising chemometrics and GC/MS for classification of chamomile flowers, essential oils and commercial products. Food Chemistry, 2014, 152, 391-398.	4.2	57
88	Profiling primaquine metabolites in primary human hepatocytes using UHPLCâ€QTOFâ€MS with ¹³C stable isotope labeling. Journal of Mass Spectrometry, 2013, 48, 276-285.	0.7	24
89	Simultaneous determination of sesquiterpenes and pyrrolizidine alkaloids from the rhizomes of Petasites hybridus (L.) G.M. et Sch. and dietary supplements using UPLC-UV and HPLC-TOF-MS methods. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 53-63.	1.4	61
90	Analytical methods for determination of magnoflorine and saponins from roots of Caulophyllum thalictroides (L.) Michx. Using UPLC, HPLC and HPTLC. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 895-903.	1.4	36

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91	Analysis of primaquine and its metabolite carboxyprimaquine in biological samples: enantiomeric separation, method validation and quantification. Biomedical Chromatography, 2011, 25, 1010-1017.	0.8	18
92	Rapid analysis of lignans from leaves of Podophyllum peltatum L. samples using UPLCâ€UVâ€MS. Biomedical Chromatography, 2011, 25, 1230-1236.	0.8	10
93	Quantitative Determination of Pregnanes from Aerial Parts of Caralluma Species Using HPLC-UV and Identification by LC-ESI-TOF. Journal of AOAC INTERNATIONAL, 2011, 94, 1383-1390.	0.7	4
94	Quantitative determination of flavonoids and cycloartanol glycosides from aerial parts of Sutherlandia frutescens (L.) R. BR. by using LC-UV/ELSD methods and confirmation by using LCâ€"MS method. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 173-180.	1.4	47
95	Flavonol Glycosides from the South African Medicinal PlantSutherlandia frutescens. Planta Medica, 2010, 76, 178-181.	0.7	39
96	QUANTITATIVE DETERMINATION OF PHENOLIC ACIDS IN LONICERA JAPONICA THUNB. USING HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY. Journal of Liquid Chromatography and Related Technologies, 2010, 34, 38-47.	0.5	7
97	Quantitative Determination of Multiple Elements in Botanicals and Dietary Supplements Using ICP-MS. Journal of Agricultural and Food Chemistry, 2010, 58, 8887-8894.	2.4	59
98	Quantitative Determination of Flavonoids by Column High-Performance Liquid Chromatography with Mass Spectrometry and Ultraviolet Absorption Detection in Artemisia afra and Comparative Studies with Various Species of Artemisia Plants. Journal of AOAC INTERNATIONAL, 2009, 92, 633-644.	0.7	28
99	Comparison of LCâ€"UV, LCâ€"ELSD and LCâ€"MS Methods for the Determination of Sesquiterpenoids in Various Species of Artemisia. Chromatographia, 2009, 70, 797-803.	0.7	16
100	Quantitative determination of flavonoids by column high-performance liquid chromatography with mass spectrometry and ultraviolet absorption detection in Artemisia afra and comparative studies with various species of Artemisia plants. Journal of AOAC INTERNATIONAL, 2009, 92, 633-44.	0.7	9
101	Identification and structural characterization of steroidal glycosides inHoodia gordoniiby ion-trap tandem mass spectrometry and liquid chromatography coupled with electrospray ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 2587-2596.	0.7	19
102	Chemical fingerprint of Hoodia species, dietary supplements, and related genera by using HPTLC. Journal of Separation Science, 2008, 31, 3959-3964.	1.3	19
103	Simultaneous analysis of adrenergic amines and flavonoids in citrus peel jams and fruit juices by liquid chromatography: part 2. Journal of AOAC INTERNATIONAL, 2007, 90, 633-40.	0.7	2
104	Chemical fingerprinting of Hoodia species and related genera: chemical analysis of oxypregnane glycosides using high-performance liquid chromatography with UV detection in Hoodia gordonii. Journal of AOAC INTERNATIONAL, 2007, 90, 1526-31.	0.7	6
105	Simultaneous identification and quantification of anthraquinones, polydatin, and resveratrol in Polygonum multiflorum, various Polygonum species, and dietary supplements by liquid chromatography and microscopic study of Polygonum species. Journal of AOAC INTERNATIONAL, 2007, 90, 1532-8.	0.7	11
106	Simultaneous quantification of adrenergic amines and flavonoids in C. aurantium, various Citrus species, and dietary supplements by liquid chromatography. Journal of AOAC INTERNATIONAL, 2005, 88, 1593-606.	0.7	13