Sonja Sturm

List of Publications by Year
in descending order

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67	1,777	236833	302012
papers	citations	25 h-index	39 g-index

71	71	71	2445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LC-DAD-MS/SPE-NMR Hyphenation. A Tool for the Analysis of Pharmaceutically Used Plant Extracts:Â Identification of Isobaric Iridoid Glycoside Regioisomers fromHarpagophytumprocumbens. Analytical Chemistry, 2005, 77, 878-885.	3.2	113
2	Recent advances on HPLC/MS in medicinal plant analysisâ€"An update covering 2011â€"2016. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 211-233.	1.4	96
3	Analytical Aspects of Plant Metabolite Profiling Platforms:Â Current Standings and Future Aims. Journal of Proteome Research, 2007, 6, 480-497.	1.8	94
4	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. Natural Product Reports, 2019, 36, 35-107.	5.2	92
5	Mass spectrometry and NMR spectroscopy: modern high-end detectors for high resolution separation techniques â€" state of the art in natural product HPLC-MS, HPLC-NMR, and CE-MS hyphenations. Natural Product Reports, 2013, 30, 970.	5.2	76
6	Oxindole alkaloids from Uncaria tomentosa induce apoptosis in proliferating, G0/G1-arrested and bcl-2-expressing acute lymphoblastic leukaemia cells. British Journal of Haematology, 2006, 132, 615-622.	1.2	69
7	Liquid chromatographyâ€"nuclear magnetic resonance coupling as alternative to liquid chromatographyâ€"mass spectrometry hyphenations: Curious option or powerful and complementary routine tool?. Journal of Chromatography A, 2012, 1259, 50-61.	1.8	54
8	Tyrolobibenzyls E and F from Scorzonera humilis and distribution of caffeic acid derivatives, lignans and tyrolobibenzyls in European taxa of the subtribe Scorzonerinae (Lactuceae, Asteraceae). Phytochemistry, 2003, 63, 61-67.	1.4	52
9	Quantification of Fumaria officinalis isoquinoline alkaloids by nonaqueous capillary electrophoresisâ€"electrospray ion trap mass spectrometry. Journal of Chromatography A, 2006, 1112, 331-338.	1.8	47
10	Analysis of Central European Corydalis species by nonaqueous capillary electrophoresisâ€"electrospray ion trap mass spectrometry. Journal of Chromatography A, 2007, 1159, 42-50.	1.8	45
11	1H and13C NMR signal assignment of cucurbitacin derivatives fromCitrullus colocynthis (L.) Schrader andEcballium elaterium L. (Cucurbitaceae). Magnetic Resonance in Chemistry, 2005, 43, 489-491.	1.1	44
12	1H and13C NMR signal assignment of benzylisoquinoline alkaloids fromFumaria officinalis L.(Papaveraceae). Magnetic Resonance in Chemistry, 2004, 42, 882-886.	1.1	43
13	Analysis of cucurbitacins in medicinal plants by high-pressure liquid chromatography-mass spectrometry. , 2000, 11, 121-127.		42
14	Capillary electrophoretic analysis of oxindole alkaloids fromUncaria tomentosa. Journal of Chromatography A, 1992, 609, 375-380.	1.8	39
15	Analysis of isoquinoline alkaloids in medicinal plants by capillary electrophoresisâ€"mass spectrometry. Electrophoresis, 1998, 19, 3026-3032.	1.3	39
16	Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiotaâ€"Results from the PAGODA Trial. Nutrients, 2020, 12, 1257.	1.7	39
17	Characterization of supercritical fluid extracts of St. Johnâ€™s Wort (Hypericum perforatum L.) by HPLCâ€"MS and GCâ€"MS. European Journal of Pharmaceutical Sciences, 2004, 21, 453-463.	1.9	36
18	Development of an HPLC-PAD-MS assay for the identification and quantification of major phenolic edelweiss (Leontopodium alpium Cass.) constituents. Phytochemical Analysis, 2006, 17, 291-298.	1.2	35

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19	Preparative isolation and purification of alkannin/shikonin derivatives from natural products by highâ€speed counterâ€current chromatography. Biomedical Chromatography, 2009, 23, 182-198.	0.8	35
20	Metabolomic analysisâ€"Addressing NMR and LC-MS related problems in human feces sample preparation. Clinica Chimica Acta, 2019, 489, 169-176.	0.5	35
21	Lupane Derivatives from Lophopetalum wallichii with Farnesyl Protein Transferase Inhibitory Activity. Journal of Natural Products, 1996, 59, 658-663.	1.5	33
22	Supercritical Fluid Chromatography in Natural Product Analysis â€“ An Update. Planta Medica, 2018, 84, 361-371.	0.7	33
23	Apolar chromatography on Sephadex LH-20 combined with high-speed counter-current chromatography. Journal of Chromatography A, 2006, 1117, 67-73.	1.8	30
24	Analysis of iridoid glycosides fromPicrorhiza kurroa by capillary electrophoresis and high performance liquid chromatography-mass spectrometry. Chromatographia, 2001, 53, 612-618.	0.7	28
25	Conventional sample enrichment strategies combined with high-performance liquid chromatographyâ€“solid phase extractionâ€“nuclear magnetic resonance analysis allows analyte identification from a single minuscule Corydalis solida plant tuber. Journal of Chromatography A, 2007, 1163, 138-144.	1.8	28
26	Head-to-Head Comparison of Ultra-High-Performance Liquid Chromatography with Diode Array Detection versus Quantitative Nuclear Magnetic Resonance for the Quantitative Analysis of the Silymarin Complex in Silybum marianum Fruit Extracts. Journal of Agricultural and Food Chemistry, 2016, 64, 1618-1626.	2.4	28
27	New Taxonomically Significant Sesquiterpenoids fromLeontodon autumnalis. Journal of Natural Products, 2000, 63, 812-816.	1.5	24
28	Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from Metarhizium anisopliae culture broth. Journal of Chromatography A, 2004, 1061, 35-43.	1.8	23
29	Nonaqueous capillary electrophoresisâ€electrospray ionizationâ€ion trapâ€mass spectrometry analysis of pyrroloâ€and pyrido[1,2â€a]azepine alkaloids in Stemona. Electrophoresis, 2008, 29, 2079-2087.	1.3	23
30	Chemosystematic investigations of irregular diterpenes in Anisotome and related New Zealand Apiaceae. Phytochemistry, 2002, 59, 293-304.	1.4	22
31	A New Cucurbitacin D Related 16,23-Epoxy Derivative and Its Isomerization Products. Organic Letters, 2004, 6, 633-636.	2.4	21
32	1H NMR-based metabolic profiling and target analysis: a combined approach for the quality control of Thymus vulgaris. Metabolomics, 2012, 8, 335-346.	1.4	20
33	Christia vespertilionis plant extracts as novel antiproliferative agent against human neuroendocrine tumor cells. Oncology Reports, 2013, 29, 2219-2226.	1.2	19
34	Quantitative Assessment of Destruxins from Strawberry and Maize in the Lower Parts per Billion Range: Combination of a QuEChERS-Based Extraction Protocol with a Fast and Selective UHPLC-QTOF-MS Assay. Journal of Agricultural and Food Chemistry, 2015, 63, 5707-5713.	2.4	19
35	Identification and characterization of plant-derived alkaloids, corydine and corydaline, as novel mu opioid receptor agonists. Scientific Reports, 2020, 10, 13804.	1.6	18
36	Anticancer activity of novel plant extracts from Trailliaedoxa gracilis (W. W. Smith & Forrest) in human carcinoid KRJ-I Cells. Anticancer Research, 2010, 30, 55-64.	0.5	18

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37	Cannabinoids lead to enhanced virulence of the smallpox vaccine (vaccinia) virus. Immunobiology, 2011, 216, 670-677.	0.8	17
38	Development of a Sensitive High-Performance Liquid Chromatography-Diode Array Detection Assay for the Detection and Quantification of theBeauveriaMetabolite Oosporein from Submerged Culture Broth and Bio-Control Formulations. Journal of Agricultural and Food Chemistry, 2005, 53, 1364-1369.	2.4	16
39	A combinatorial approach for the discovery of cytochrome P450 2D6 inhibitors from nature. Scientific Reports, 2017, 7, 8071.	1.6	16
40	Urtica dioica agglutinin: Separation, identification, and quantitation of individual isolectins by capillary electrophoresis and capillary electrophoresis-mass spectrometry. Electrophoresis, 2005, 26, 1724-1731.	1.3	15
41	Mushroom Tyrosinase-Based Enzyme Inhibition Assays Are Not Suitable for Bioactivity-Guided Fractionation of Extracts. Journal of Natural Products, 2019, 82, 136-147.	1.5	14
42	Altered membrane rigidity via enhanced endogenous cholesterol synthesis drives cancer cell resistance to destruxins. Oncotarget, 2018, 9, 25661-25680.	0.8	14
43	New Insights into the Acetylcholinesterase Inhibitory Activity ofLycopodium clavatum. Planta Medica, 2005, 71, 1040-1043.	0.7	13
44	Synthesis, Biological, and Structural Explorations of New Zwitterionic Derivatives of 14-O-Methyloxymorphone, as Potent Î¼/Î´ Opioid Agonists and Peripherally Selective Antinociceptives. Journal of Medicinal Chemistry, 2019, 62, 641-653.	2.9	13
45	Towards ecoâ€friendly secondary plant metabolite quantitation: Ultra high performance supercritical fluid chromatography applied to common vervain (Verbena officinalis L.). Journal of Separation Science, 2020, 43, 829-838.	1.3	13
46	Analysis of alkaloids inIpecacuanhae radix and preparations by capillary zone electrophoresis. Journal of Separation Science, 2003, 26, 1175-1179.	1.3	11
47	Ursolic acid from Trailliaedoxa gracilis induces apoptosis in medullary thyroid carcinoma cells. Molecular Medicine Reports, 2015, 12, 5003-5011.	1.1	11
48	Antiproliferative and pro-apoptotic effects of Uncaria tomentosa in human medullary thyroid carcinoma cells. Anticancer Research, 2009, 29, 4519-28.	0.5	11
49	Development of a fast and selective UHPLC-DAD-QTOF-MS/MS method for the qualitative and quantitative assessment of destruxin profiles. Analytical and Bioanalytical Chemistry, 2014, 406, 7623-7632.	1.9	10
50	NMR Signal Assignment of 22-Deoxocucurbitacin D and Cucurbitacin D from Ecballium elaterium L. (Cucurbitaceae). Monatshefte FÃ¼r Chemie, 2005, 136, 1645-1649.	0.9	9
51	Syntheses and Antigestagenic Activity of Mifepristone Derivatives. Journal of Medicinal Chemistry, 2009, 52, 1268-1274.	2.9	8
52	Synthesis, Biological Evaluation and Structureâ€“Activity Relationships of Diflapolin Analogues as Dual sEH/FLAP Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 62-66.	1.3	8
53	Steroid Composition of Fruit from Yucca gloriosa Introduced into Georgia. Chemistry of Natural Compounds, 2015, 51, 283-288.	0.2	6
54	Centaurium erythraea Cultivation Method for Optimal Yield and Product Quality. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 193-215.	0.5	6

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55	Comprehensive polyphenolic profiling in promising resistant grapevine hybrids including 17 novel breeds in northern Italy. Journal of the Science of Food and Agriculture, 2021, 101, 2380-2388.	1.7	6
56	Quantification of Silymarin in Silybi mariani fructus: Challenging the Analytical Performance of Benchtop vs. Handheld NIR Spectrometers on Whole Seeds. Planta Medica, 2022, 88, 20-32.	0.7	6
57	Supercritical Fluid Chromatography as an Alternative Tool for the Qualitative and Quantitative Analysis of Metarhizium brunneum Metabolites from Culture Broth. Planta Medica, 2015, 81, 1736-1743.	0.7	5
58	Development and validation of a rapid ultra-high performance liquid chromatography diode array detector method for Verbena officinalis L.. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 160-167.	1.4	5
59	The dichloromethane fraction of Stemona tuberosa Lour inhibits tumor cell growth and induces apoptosis of human medullary thyroid carcinoma cells. Biologics: Targets and Therapy, 2007, 1, 455-63.	3.0	5
60	Differentiation between Cistus L. (Sub-) Species (Cistaceae) Using NMR Metabolic Fingerprinting. Planta Medica, 2020, 86, 1148-1155.	0.7	4
61	Combining HPLC-DAD-QTOF-MS and HPLC-SPE-NMR to Monitor In Vitro Vitetrifolin D Phase I and II Metabolism. Metabolites, 2021, 11, 529.	1.3	4
62	Anticancer activity of novel extracts from Cautleya gracilis (Smith) Dandy: apoptosis in human medullary thyroid carcinoma cells. Anticancer Research, 2008, 28, 2705-13.	0.5	4
63	Simultaneous Quantitative Analysis of the Major Bioactive Compounds in Gentianae Radix and its Beverages by UHPSFCâ€“DAD. Journal of Agricultural and Food Chemistry, 2022, 70, 7586-7593.	2.4	3
64	Plant Analysis â€“ State of the Art and Future Developments. Planta Medica, 2009, 75, 671-671.	0.7	2
65	Development, validation, and application of a fast, simple, and robust SPE-based LC-MS/MS method for quantification of angiotensin I-converting enzyme inhibiting tripeptides Val-Pro-Pro, Ile-Pro-Pro, and Leu-Pro-Pro in yoghurt and other fermented dairy products. International Dairy Journal, 2019, 97, 31-39.	1.5	2
66	Association of adolescent lipoprotein subclass profile with carotid intima-media thickness and comparison to adults: Prospective population-based cohort studies. Atherosclerosis, 2022, 341, 34-42.	0.4	1
67	Studi sui tratti di qualitÃ negativa nelle nuove viti mediamente resistenti alle malattie fungine. BIO Web of Conferences, 2022, 44, 04003.	0.1	0