

Sonja Sturm

List of Publications by Year in descending order

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67
papers

1,777
citations

236612

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h-index

301761

39
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71
all docs

71
docs citations

71
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of Silymarin in <i>Silybi mariani fructus</i> : Challenging the Analytical Performance of Benchtop vs. Handheld NIR Spectrometers on Whole Seeds. <i>Planta Medica</i> , 2022, 88, 20-32.	0.7	6
2	Association of adolescent lipoprotein subclass profile with carotid intima-media thickness and comparison to adults: Prospective population-based cohort studies. <i>Atherosclerosis</i> , 2022, 341, 34-42.	0.4	1
3	Studi sui tratti di qualità negativa nelle nuove viti mediamente resistenti alle malattie fungine. <i>BIO Web of Conferences</i> , 2022, 44, 04003.	0.1	0
4	Simultaneous Quantitative Analysis of the Major Bioactive Compounds in <i>Gentianae Radix</i> and its Beverages by UHPSFC-DAD. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7586-7593.	2.4	3
5	Comprehensive polyphenolic profiling in promising resistant grapevine hybrids including 17 novel breeds in northern Italy. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2380-2388.	1.7	6
6	Combining HPLC-DAD-QTOF-MS and HPLC-SPE-NMR to Monitor In Vitro Vitetrifolin D Phase I and II Metabolism. <i>Metabolites</i> , 2021, 11, 529.	1.3	4
7	Towards eco-friendly secondary plant metabolite quantitation: Ultra high performance supercritical fluid chromatography applied to common vervain (<i>Verbena officinalis</i> L.). <i>Journal of Separation Science</i> , 2020, 43, 829-838.	1.3	13
8	Identification and characterization of plant-derived alkaloids, corydine and corydaline, as novel mu opioid receptor agonists. <i>Scientific Reports</i> , 2020, 10, 13804.	1.6	18
9	Differentiation between <i>Cistus</i> L. (Sub-) Species (Cistaceae) Using NMR Metabolic Fingerprinting. <i>Planta Medica</i> , 2020, 86, 1148-1155.	0.7	4
10	Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota—Results from the PAGODA Trial. <i>Nutrients</i> , 2020, 12, 1257.	1.7	39
11	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019, 36, 35-107.	5.2	92
12	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. <i>International Dairy Journal</i> , 2019, 97, 31-39.	1.5	2
13	Synthesis, Biological, and Structural Explorations of New Zwitterionic Derivatives of 14-O-Methyloxymorphone, as Potent μ Opioid Agonists and Peripherally Selective Antinociceptives. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 641-653.	2.9	13
14	Mushroom Tyrosinase-Based Enzyme Inhibition Assays Are Not Suitable for Bioactivity-Guided Fractionation of Extracts. <i>Journal of Natural Products</i> , 2019, 82, 136-147.	1.5	14
15	Synthesis, Biological Evaluation and Structure-Activity Relationships of Diflapolin Analogues as Dual sEH/FLAP Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 62-66.	1.3	8
16	Metabolomic analysis—Addressing NMR and LC-MS related problems in human feces sample preparation. <i>Clinica Chimica Acta</i> , 2019, 489, 169-176.	0.5	35
17	Supercritical Fluid Chromatography in Natural Product Analysis—An Update. <i>Planta Medica</i> , 2018, 84, 361-371.	0.7	33
18	Recent advances on HPLC/MS in medicinal plant analysis—An update covering 2011–2016. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 211-233.	1.4	96

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19	Development and validation of a rapid ultra-high performance liquid chromatography diode array detector method for <i>Verbena officinalis</i> L.. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 160-167.	1.4	5
20	Altered membrane rigidity via enhanced endogenous cholesterol synthesis drives cancer cell resistance to destruxins. Oncotarget, 2018, 9, 25661-25680.	0.8	14
21	<i>Centaurium erythraea</i> Cultivation Method for Optimal Yield and Product Quality. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 193-215.	0.5	6
22	A combinatorial approach for the discovery of cytochrome P450 2D6 inhibitors from nature. Scientific Reports, 2017, 7, 8071.	1.6	16
23	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 <i>Silybum marianum</i> Fruit Extracts. Journal of Agricultural and Food Chemistry, 2016, 64, 1618-1626.	2.4	28
24	Ursolic acid from <i>Trailliaedoxa gracilis</i> induces apoptosis in medullary thyroid carcinoma cells. Molecular Medicine Reports, 2015, 12, 5003-5011.	1.1	11
25	Supercritical Fluid Chromatography as an Alternative Tool for the Qualitative and Quantitative Analysis of <i>Metarhizium brunneum</i> Metabolites from Culture Broth. Planta Medica, 2015, 81, 1736-1743.	0.7	5
26	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
27	Steroid Composition of Fruit from <i>Yucca gloriosa</i> Introduced into Georgia. Chemistry of Natural Compounds, 2015, 51, 283-288.	0.2	6
28	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
29	Mass spectrometry and NMR spectroscopy: modern high-end detectors for high resolution separation techniques – state of the art in natural product HPLC-MS, HPLC-NMR, and CE-MS hyphenations. Natural Product Reports, 2013, 30, 970.	5.2	76
30	<i>Christia vespertilionis</i> plant extracts as novel antiproliferative agent against human neuroendocrine tumor cells. Oncology Reports, 2013, 29, 2219-2226.	1.2	19
31	Liquid chromatography–nuclear magnetic resonance coupling as alternative to liquid chromatography–mass spectrometry hyphenations: Curious option or powerful and complementary routine tool?. Journal of Chromatography A, 2012, 1259, 50-61.	1.8	54
32	¹ H NMR-based metabolic profiling and target analysis: a combined approach for the quality control of <i>Thymus vulgaris</i> . Metabolomics, 2012, 8, 335-346.	1.4	20
33	Cannabinoids lead to enhanced virulence of the smallpox vaccine (<i>vaccinia</i>) virus. Immunobiology, 2011, 216, 670-677.	0.8	17
34	Anticancer activity of novel plant extracts from <i>Trailliaedoxa gracilis</i> (W. W. Smith & Forrest) in human carcinoid KRJ-I Cells. Anticancer Research, 2010, 30, 55-64.	0.5	18
35	Plant Analysis – State of the Art and Future Developments. Planta Medica, 2009, 75, 671-671.	0.7	2
36	Preparative isolation and purification of alkannin/shikonin derivatives from natural products by high-speed counter-current chromatography. Biomedical Chromatography, 2009, 23, 182-198.	0.8	35

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37	Syntheses and Antigestagenic Activity of Mifepristone Derivatives. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1268-1274.	2.9	8
38	Antiproliferative and pro-apoptotic effects of <i>Uncaria tomentosa</i> in human medullary thyroid carcinoma cells. <i>Anticancer Research</i> , 2009, 29, 4519-28.	0.5	11
39	Nonaqueous capillary electrophoresis-electrospray ionization-ion trap-mass spectrometry analysis of pyrrolo- and pyrido[1,2-a]azepine alkaloids in <i>Stemona</i> . <i>Electrophoresis</i> , 2008, 29, 2079-2087.	1.3	23
40	Anticancer activity of novel extracts from <i>Cautleya gracilis</i> (Smith) Dandy: apoptosis in human medullary thyroid carcinoma cells. <i>Anticancer Research</i> , 2008, 28, 2705-13.	0.5	4
41	Analytical Aspects of Plant Metabolite Profiling Platforms: Current Standings and Future Aims. <i>Journal of Proteome Research</i> , 2007, 6, 480-497.	1.8	94
42	Analysis of Central European <i>Corydalis</i> species by nonaqueous capillary electrophoresis-electrospray ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1159, 42-50.	1.8	45
43	Conventional sample enrichment strategies combined with high-performance liquid chromatography-solid phase extraction-nuclear magnetic resonance analysis allows analyte identification from a single minuscule <i>Corydalis solida</i> plant tuber. <i>Journal of Chromatography A</i> , 2007, 1163, 138-144.	1.8	28
44	The dichloromethane fraction of <i>Stemona tuberosa</i> Lour inhibits tumor cell growth and induces apoptosis of human medullary thyroid carcinoma cells. <i>Biologics: Targets and Therapy</i> , 2007, 1, 455-63.	3.0	5
45	Development of an HPLC-PAD-MS assay for the identification and quantification of major phenolic edelweiss (<i>Leontopodium alpinum</i> Cass.) constituents. <i>Phytochemical Analysis</i> , 2006, 17, 291-298.	1.2	35
46	Oxindole alkaloids from <i>Uncaria tomentosa</i> induce apoptosis in proliferating, G0/G1-arrested and bcl-2-expressing acute lymphoblastic leukaemia cells. <i>British Journal of Haematology</i> , 2006, 132, 615-622.	1.2	69
47	Quantification of <i>Fumaria officinalis</i> isoquinoline alkaloids by nonaqueous capillary electrophoresis-electrospray ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1112, 331-338.	1.8	47
48	Apolar chromatography on Sephadex LH-20 combined with high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2006, 1117, 67-73.	1.8	30
49	<i>Urtica dioica</i> agglutinin: Separation, identification, and quantitation of individual isolectins by capillary electrophoresis and capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 1724-1731.	1.3	15
50	¹ H and ¹³ C NMR signal assignment of cucurbitacin derivatives from <i>Citrullus colocynthis</i> (L.) Schrader and <i>Ecballium elaterium</i> L. (Cucurbitaceae). <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 489-491.	1.1	44
51	NMR Signal Assignment of 22-Deoxocucurbitacin D and Cucurbitacin D from <i>Ecballium elaterium</i> L. (Cucurbitaceae). <i>Monatshefte für Chemie</i> , 2005, 136, 1645-1649.	0.9	9
52	New Insights into the Acetylcholinesterase Inhibitory Activity of <i>Lycopodium clavatum</i> . <i>Planta Medica</i> , 2005, 71, 1040-1043.	0.7	13
53	Development of a Sensitive High-Performance Liquid Chromatography-Diode Array Detection Assay for the Detection and Quantification of the <i>Beauveria</i> Metabolite Oosporein from Submerged Culture Broth and Bio-Control Formulations. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1364-1369.	2.4	16
54	LC-DAD-MS/SPE-NMR Hyphenation. A Tool for the Analysis of Pharmaceutically Used Plant Extracts: Identification of Isobaric Iridoid Glycoside Regioisomers from <i>Harpagophytum procumbens</i> . <i>Analytical Chemistry</i> , 2005, 77, 878-885.	3.2	113

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55	Characterization of supercritical fluid extracts of St. John's Wort (<i>Hypericum perforatum</i> L.) by HPLC-MS and GC-MS. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 21, 453-463.	1.9	36
56	¹ H and ¹³ C NMR signal assignment of benzylisoquinoline alkaloids from <i>Fumaria officinalis</i> L. (<i>Papaveraceae</i>). <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 882-886.	1.1	43
57	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 <i>Metarhizium anisopliae</i> culture broth. <i>Journal of Chromatography A</i> , 2004, 1061, 35-43.	1.8	23
58	A New Cucurbitacin D Related 16,23-Epoxy Derivative and Its Isomerization Products. <i>Organic Letters</i> , 2004, 6, 633-636.	2.4	21
59	Analysis of alkaloids in <i>peccuanhae radix</i> and preparations by capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2003, 26, 1175-1179.	1.3	11
60	Tyrolobibenzyls E and F from <i>Scorzonera humilis</i> and distribution of caffeic acid derivatives, lignans and tyrolobibenzyls in European taxa of the subtribe <i>Scorzonerinae</i> (<i>Lactuceae</i> , <i>Asteraceae</i>). <i>Phytochemistry</i> , 2003, 63, 61-67.	1.4	52
61	Chemosystematic investigations of irregular diterpenes in <i>Anisotome</i> and related New Zealand <i>Apiaceae</i> . <i>Phytochemistry</i> , 2002, 59, 293-304.	1.4	22
62	Analysis of iridoid glycosides from <i>Picrorhiza kurroa</i> by capillary electrophoresis and high performance liquid chromatography-mass spectrometry. <i>Chromatographia</i> , 2001, 53, 612-618.	0.7	28
63	Analysis of cucurbitacins in medicinal plants by high-pressure liquid chromatography-mass spectrometry. , 2000, 11, 121-127.		42
64	New Taxonomically Significant Sesquiterpenoids from <i>Leontodon autumnalis</i> . <i>Journal of Natural Products</i> , 2000, 63, 812-816.	1.5	24
65	Analysis of isoquinoline alkaloids in medicinal plants by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 1998, 19, 3026-3032.	1.3	39
66	Lupane Derivatives from <i>Lophopetalum wallichii</i> with Farnesyl Protein Transferase Inhibitory Activity. <i>Journal of Natural Products</i> , 1996, 59, 658-663.	1.5	33
67	Capillary electrophoretic analysis of oxindole alkaloids from <i>Uncaria tomentosa</i> . <i>Journal of Chromatography A</i> , 1992, 609, 375-380.	1.8	39