

# Christoph Seger

## List of Publications by Year in descending order

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108  
papers

4,009  
citations

126907

33  
h-index

133252

59  
g-index

122  
all docs

122  
docs citations

122  
times ranked

5187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Drug Monitoring of Tacrolimus-Personalized Therapy: Second Consensus Report. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 261-307.	2.0	374
2	Pitfalls Associated with the Use of Liquid Chromatography-Tandem Mass Spectrometry in the Clinical Laboratory. <i>Clinical Chemistry</i> , 2010, 56, 1234-1244.	3.2	262
3	A decade of HPLC-MS/MS in the routine clinical laboratory – Goals for further developments. <i>Clinical Biochemistry</i> , 2008, 41, 649-662.	1.9	195
4	After another decade: LC-MS/MS became routine in clinical diagnostics. <i>Clinical Biochemistry</i> , 2020, 82, 2-11.	1.9	162
5	Antifungal Stilbenoids from <i>Stemona collinsae</i> . <i>Journal of Natural Products</i> , 2002, 65, 820-827.	3.0	137
6	Feeding Deterrence and Contact Toxicity of <i>Stemona</i> Alkaloids: A Source of Potent Natural Insecticides. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6383-6388.	5.2	123
7	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.	6.5	113
8	The Assessment of Plant Metabolite Profiles by NMR-Based Methodologies. <i>Planta Medica</i> , 2006, 72, 771-785.	1.3	113
9	A rapid HPLC-MS/MS method for the simultaneous quantification of cyclosporine A, tacrolimus, sirolimus and everolimus in human blood samples. <i>Nature Protocols</i> , 2009, 4, 526-534.	12.0	105
10	Therapeutic Drug Monitoring of Everolimus. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 143-169.	2.0	102
11	Assuring the Proper Analytical Performance of Measurement Procedures for Immunosuppressive Drug Concentrations in Clinical Practice. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 170-189.	2.0	95
12	Analytical Aspects of Plant Metabolite Profiling Platforms: Current Standings and Future Aims. <i>Journal of Proteome Research</i> , 2007, 6, 480-497.	3.7	94
13	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.	10.3	92
14	Personalized Therapy for Mycophenolate: Consensus Report by the International Association of Therapeutic Drug Monitoring and Clinical Toxicology. <i>Therapeutic Drug Monitoring</i> , 2021, 43, 150-200.	2.0	89
15	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. <i>Natural Product Reports</i> , 2013, 30, 970.	10.3	76
16	Antioxidant dehydrotocopherols as a new chemical character of <i>Stemona</i> species. <i>Phytochemistry</i> , 2004, 65, 2719-2729.	2.9	68
17	Quantitative levonorgestrel plasma level measurements in patients with regular and prolonged use of the levonorgestrel-releasing intrauterine system. <i>Contraception</i> , 2012, 86, 345-349.	1.5	58
18	Pharmacokinetics of Caspofungin in Critically Ill Patients on Continuous Renal Replacement Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4053-4057.	3.2	55

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19	Liquid chromatography-nuclear magnetic resonance coupling as alternative to liquid chromatography-mass spectrometry hyphenations: Curious option or powerful and complementary routine tool?. <i>Journal of Chromatography A</i> , 2012, 1259, 50-61.	3.7	54
20	Discovering COX-Inhibiting Constituents of Morus Root Bark: Activity-Guided versus Computer-Aided Methods. <i>Planta Medica</i> , 2005, 71, 399-405.	1.3	52
21	Leontopodic acid—a novel highly substituted glucaric acid derivative from Edelweiss ( <i>Leontopodium</i> ) Tj ETQq1 1 0,784314 ggBT /Over	1.9	50
22	Two Pyrrolo[1,2-a]azepine Type Alkaloids from <i>Stemona collinsae</i> Craib: Structure Elucidations, Relationship to Asparagine A, and a New Biogenetic Concept of Their Formation. <i>Chemistry and Biodiversity</i> , 2004, 1, 265-279.	2.1	46
23	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.	3.7	45
24	<sc>FGF</sc>23 is associated with disease severity and prognosis in chronic heart failure. <i>European Journal of Clinical Investigation</i> , 2014, 44, 1150-1158.	3.4	45
25	Structure of the Active Domain of the Herpes Simplex Virus Protein ICP47 in Water/Sodium Dodecyl Sulfate Solution Determined by Nuclear Magnetic Resonance Spectroscopy. <i>Biochemistry</i> , 1999, 38, 13692-13698.	2.5	44
26	<sup>1</sup> H and <sup>13</sup> 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.	1.9	44
27	<sup>1</sup> H and <sup>13</sup> C NMR signal assignment of benzyloquinoline alkaloids from <i>Fumaria officinalis</i> L. (Papaveraceae). <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 882-886.	1.9	43
28	Usage and limitations of liquid chromatography-tandem mass spectrometry (LC-MS/MS) in clinical routine laboratories. <i>Wiener Medizinische Wochenschrift</i> , 2012, 162, 499-504.	1.1	42
29	New Constituents of <i>Leontopodium alpinum</i> and their in vitro Leukotriene Biosynthesis Inhibitory Activity. <i>Planta Medica</i> , 2004, 70, 978-985.	1.3	40
30	Leoligin, the major lignan from Edelweiss, inhibits intimal hyperplasia of venous bypass grafts. <i>Cardiovascular Research</i> , 2009, 82, 542-549.	3.8	38
31	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.	4.0	36
32	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.	2.4	35
33	Destruxins: Fungal-derived cyclohexadepsipeptides with multifaceted anticancer and antiangiogenic activities. <i>Biochemical Pharmacology</i> , 2013, 86, 361-377.	4.4	35
34	Metabolomic analysis—Addressing NMR and LC-MS related problems in human feces sample preparation. <i>Clinica Chimica Acta</i> , 2019, 489, 169-176.	1.1	35
35	Anti-coagulation assessment with prothrombin time and anti-Xa assays in real-world patients on treatment with rivaroxaban. <i>Annals of Hematology</i> , 2015, 94, 1463-1471.	1.8	34
36	Quality management in clinical application of mass spectrometry measurement systems. <i>Clinical Biochemistry</i> , 2016, 49, 947-954.	1.9	34

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37	Prenylated flavanones and flavanonols as chemical markers in <i>Glycosmis</i> species (Rutaceae). <i>Phytochemistry</i> , 2009, 70, 1030-1037.	2.9	33
38	Transfusion-related exposure to the plasticizer di(2-ethylhexyl)phthalate in patients receiving plateletpheresis concentrates. <i>Transfusion</i> , 2005, 45, 798-802.	1.6	32
39	Simultaneous online SPE-LC-MS/MS quantification of six widely used synthetic progestins in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 961-972.	3.7	32
40	Isoeichlerianic acid from <i>Aglaia silvestris</i> and revision of the stereochemistry of foveolin B. <i>Tetrahedron Letters</i> , 2008, 49, 4313-4315.	1.4	31
41	Donor exposure to the plasticizer di(2-ethylhexyl)phthalate during plateletpheresis. <i>Transfusion</i> , 2003, 43, 1115-1120.	1.6	30
42	Apolar chromatography on Sephadex LH-20 combined with high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2006, 1117, 67-73.	3.7	30
43	Differential Effects of Rapamycin in Anti-GBM Glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1520-1529.	6.1	30
44	Enrichment of hyperforin from St. John's Wort ( <i>Hypericum perforatum</i> ) by pilot-scale supercritical carbon dioxide extraction. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 21, 443-451.	4.0	29
45	Reaction product analysis by high-performance liquid chromatography-solid-phase extraction-nuclear magnetic resonance. <i>Journal of Chromatography A</i> , 2006, 1136, 82-88.	3.7	29
46	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.	3.7	28
47	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. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1618-1626.	5.2	28
48	The vitamin E-binding protein afamin is altered significantly in the peritoneal fluid of women with endometriosis. <i>Fertility and Sterility</i> , 2010, 94, 2923-2926.	1.0	27
49	A new pyrrole alkaloid from seeds of <i>Castanea sativa</i> . <i>FÄ-toterapÄ-Äç</i> , 2002, 73, 22-27.	2.2	25
50	Irregular analytical errors in diagnostic testing - a novel concept. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 386-396.	2.3	24
51	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.	3.7	23
52	Physicochemical Properties of Oosporein, the Major Secreted Metabolite of the Entomopathogenic Fungus <i>Beauveria brongniartii</i> . <i>Helvetica Chimica Acta</i> , 2005, 88, 802-810.	1.6	23
53	An LC-MS/MS based candidate reference method for the quantification of carbamazepine in human serum. <i>Clinica Chimica Acta</i> , 2017, 472, 35-40.	1.1	23
54	Development and validation of a rapid ultra-high performance liquid chromatography diode array detector method for <i>Vitex agnus-castus</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 927, 181-190.	2.3	22

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55	A New Cucurbitacin D Related 16,23-Epoxy Derivative and Its Isomerization Products. <i>Organic Letters</i> , 2004, 6, 633-636.	4.6	21
56	<sup>1</sup> H NMR-based metabolic profiling and target analysis: a combined approach for the quality control of <i>Thymus vulgaris</i> . <i>Metabolomics</i> , 2012, 8, 335-346.	3.0	20
57	Nodding syndrome in Tanzania may not be associated with circulating anti-NMDA- and anti-VGKC receptor antibodies or decreased pyridoxal phosphate serum levels-a pilot study. <i>African Health Sciences</i> , 2014, 14, 434.	0.7	20
58	Comparison between the impact of morning and evening doses of rivaroxaban on the circadian endogenous coagulation rhythm in healthy subjects. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 316-323.	3.8	20
59	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. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5707-5713.	5.2	19
60	A Novel, High-Affinity, Fluorescent Progesterone Receptor Antagonist. Synthesis and in Vitro Studies. <i>Bioconjugate Chemistry</i> , 2004, 15, 359-365.	3.6	16
61	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.	5.2	16
62	LC-MS/MS in clinical chemistry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 883-884, 1-2.	2.3	16
63	An isotope dilution LC-MS/MS based candidate reference method for the quantification of cyclosporine A, tacrolimus, sirolimus and everolimus in human whole blood. <i>Clinical Biochemistry</i> , 2020, 82, 73-84.	1.9	16
64	High-performance liquid chromatography-diode array detection assay for the detection and quantification of the <i>Beauveria</i> metabolite oosporein from potato tubers. <i>Journal of Chromatography A</i> , 2005, 1092, 254-257.	3.7	15
65	Isolation and Structure Elucidation of Iridoide and Coumarin Derivatives from <i>Xeromphis nilotica</i> (Rubiaceae). <i>Monatshefte für Chemie</i> , 2002, 133, 1453-1458.	1.8	14
66	Bidirectional interaction between oral contraception and lamotrigine in women with epilepsy – Role of progestins. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 74, 89-92.	2.0	14
67	Case studies of CSEARCH supported structure elucidation strategies: lupeol and a new germacrene derivative. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 359, 42-45.	1.5	13
68	New Insights into the Acetylcholinesterase Inhibitory Activity of <i>Lycopodium clavatum</i> . <i>Planta Medica</i> , 2005, 71, 1040-1043.	1.3	13
69	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.	2.5	13
70	Quantification of Phenylurea Pesticides by HPLC/ECD and Photolysis. <i>Electroanalysis</i> , 2001, 13, 1335-1341.	2.9	12
71	It Is Not Always Alcohol Abuse – A Transferrin Variant Impairing the CDT Test. <i>Alcohol and Alcoholism</i> , 2016, 51, 148-153.	1.6	12
72	Mass spectrometry methods in clinical diagnostics – state of the art and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 1-4.	11.4	12

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73	Non- 13 CO 2 targeted breath tests: a feasibility study. Journal of Breath Research, 2014, 8, 046005.	3.0	11
74	Structure Elucidation and Synthesis of a New Bioactive Quinazolone Derivative Obtained from Glycosmis Cf. Chlorosperma.. Chemical and Pharmaceutical Bulletin, 1998, 46, 1926-1928.	1.3	10
75	An ultra-sensitive online SPE-LC-MS/MS method for the quantification of levonorgestrel released from intrauterine devices. Analytical and Bioanalytical Chemistry, 2011, 400, 2655-2662.	3.7	10
76	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.	3.7	10
77	Accurate Determination of Oosporein in Fungal Culture Broth by Differential Pulse Polarography. Journal of Agricultural and Food Chemistry, 2004, 52, 1423-1426.	5.2	9
78	NMR Signal Assignment of 22-Deoxocucurbitacin D and Cucurbitacin D from Ecballium elaterium L. (Cucurbitaceae). Monatshefte für Chemie, 2005, 136, 1645-1649.	1.8	9
79	Targeting the Kv1.3 potassium channel for immunosuppression in vascularized composite allotransplantation - a pilot study. Transplant International, 2013, 26, 552-561.	1.6	9
80	Syntheses and Antigestagenic Activity of Mifepristone Derivatives. Journal of Medicinal Chemistry, 2009, 52, 1268-1274.	6.4	8
81	Azole-resistant and -susceptible Aspergillus fumigatus isolates show comparable fitness and azole treatment outcome in immunocompetent mice. Medical Mycology, 2018, 56, 703-710.	0.7	8
82	Samarium(II) Iodide Promoted Tandem Reductive Fragmentation and Aldol Reaction. Monatshefte für Chemie, 2001, 132, 855-858.	1.8	7
83	Aglairubine: Structure Revision of a Chemotaxonomically Interesting Bisamide in Aglaia (Meliaceae). Monatshefte für Chemie, 2002, 133, 97-100.	1.8	7
84	Corrected Structure of Aglalactone Isolated from Aglaia elaeagnoidea (Meliaceae). Monatshefte für Chemie, 2000, 131, 1161-1165.	1.8	6
85	Synthesis of 6-Hydroxy Derivatives of Steroidal Hormones by SeO2 Mediated Oxidation. Monatshefte für Chemie, 2004, 135, 1137.	1.8	6
86	Some important aspects of implementing tandem mass spectrometry in a routine clinical laboratory environment. Biochemia Medica, 0, , 29-51.	2.7	6
87	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.	1.3	5
88	Vitamin D â€“ challenges in diagnosing and monitoring of hypovitaminosis D / Vitamin D â€“ izazovi u dijagnozi i praÅŸenju hipovitaminoze D. Journal of Medical Biochemistry, 2012, 31, 316-325.	1.7	4
89	Pitfalls of LC-MS/MS in the Clinical Laboratory. , 2012, , 109-126.		4
90	Combining HPLC-DAD-QTOF-MS and HPLC-SPE-NMR to Monitor In Vitro Vitetrifolin D Phase I and II Metabolism. Metabolites, 2021, 11, 529.	2.9	4

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91	Teicoplanin Pharmacokinetics During Albumin Dialysis. <i>Artificial Organs</i> , 2011, 35, 969-971.	1.9	3
92	Challenges in describing vitamin D status and activity / Herausforderungen bei der Bestimmung des Vitamin D-Status. <i>Laboratoriums Medizin</i> , 2014, 38, 1-10.	0.6	3
93	Hyperthyroxinemia and Hypercortisolemia due to Familial Dysalbuminemia. <i>Thyroid</i> , 2020, 30, 1681-1684.	4.5	3
94	Quantification of Phenylurea Pesticides by HPLC/ECD and Photolysis. <i>Electroanalysis</i> , 2001, 13, 1335-1341.	2.9	3
95	Diagnostic Characteristics of 3-Parameter and 2-Parameter Equations for the Calculation of a Combined Indicator of Vitamin B12 Status to Predict Cobalamin Deficiency in a Large Mixed Patient Population. <i>Clinical Laboratory</i> , 2020, 66, .	0.5	3
96	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.	5.2	3
97	Two New Nor-Diterpenes from <i>Glycosmis Cf. Cyanocarpa</i> . <i>Natural Product Research</i> , 1998, 12, 117-124.	0.4	2
98	Immunsuppressiva-Medikamentenspiegelmessung – reine Routine? / Immunosuppressant drug monitoring: a routine undertaking?. <i>Laboratoriums Medizin</i> , 2010, 34, 117-128.	0.6	1
99	Crystal structures of the fungal metabolite oosporein. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c276-c276.	0.3	1
100	Teicoplanin pharmacokinetics during albumin dialysis. <i>BMC Pharmacology</i> , 2010, 10, .	0.4	0
101	Immunosuppressant drug monitoring – a routine undertaking? 1. <i>Laboratoriums Medizin</i> , 2010, 34, -.	0.6	0
102	Massenspektrometrie statt immunologischer Tests. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 449-452.	0.0	0
103	Erratum to “Quantitative levonorgestrel plasma level measurements in patients with regular and prolonged use of the levonorgestrel-releasing intrauterine system” [Contraception 86 (2012) 345–349]. <i>Contraception</i> , 2013, 88, 194.	1.5	0
104	FIBROBLAST GROWTH FACTOR-23 IS ASSOCIATED WITH DISEASE SEVERITY AND PROGNOSIS IN CHRONIC HEART FAILURE. <i>Journal of the American College of Cardiology</i> , 2014, 63, A777.	2.8	0
105	Assessing immunosuppressive drug concentrations in clinical practice. <i>Handbook of Analytical Separations</i> , 2020, 7, 277-290.	0.8	0
106	An Anti-Nucleocapsid Antigen Sars-Cov-2 Total Antibody Assay Finds Comparable Results in Edta-Anticoagulated Whole Blood Obtained from Capillary and Venous Blood Sampling. <i>Data</i> , 2020, 5, 105.	2.3	0
107	Early PK-Analysis Predicts Molecular Response In Patients With Early Chronic Phase Chronic Myelogenous Leukemia (CML-CP) Treated With Frontline Nilotinib. <i>Blood</i> , 2013, 122, 1485-1485.	1.4	0
108	NMR and LC-MS -based metabolic profiling approaches for the exploration of qualitative or quantitative variation of secondary metabolite expression in three <i>Centaureum</i> species and their putative hybrids. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0