Claus Cornett

List of Publications by Year
in descending order

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107	3,799	126708	149479
papers	citations	33 h-index	56 g-index

107	107	107	4744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vitrobiotransformation of flavonoids by rat liver microsomes. Xenobiotica, 1998, 28, 389-401.	0.5	171
2	Human Urine as Test Material in1H NMR-Based Metabonomics:Â Recommendations for Sample Preparation and Storage. Analytical Chemistry, 2007, 79, 1181-1186.	3.2	166
3	Two-electron electrochemical oxidation of quercetin and kaempferol changes only the flavonoid C-ring. Free Radical Research, 1998, 29, 339-350.	1.5	142
4	High-Performance Liquid Chromatography On-Line Coupled to High-Field NMR and Mass Spectrometry for Structure Elucidation of Constituents of Hypericum perforatum L.. Analytical Chemistry, 1999, 71, 5235-5241.	3.2	130
5	A role for taurine in mitochondrial function. Journal of Biomedical Science, 2010, 17, S23.	2.6	124
6	Separation of seven arsenic compounds by high-performance liquid chromatography with on-line detection by hydrogenâ€“argon flame atomic absorption spectrometry and inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1992, 7, 629-634.	1.6	120
7	Absorption, conjugation and excretion of the flavanones, naringenin and hesperetin from Î±-rhamnosidase-treated orange juice in human subjects. British Journal of Nutrition, 2010, 103, 1602-1609.	1.2	112
8	Thioflavin T Hydroxylation at Basic pH and Its Effect on Amyloid Fibril Detection. Journal of Physical Chemistry B, 2008, 112, 15174-15181.	1.2	100
9	¹H NMR Spectroscopy-Based Interventional Metabolic Phenotyping: A Cohort Study of Rheumatoid Arthritis Patients. Journal of Proteome Research, 2010, 9, 4545-4553.	1.8	88
10	Biotransformation of the citrus flavone tangeretin in rats. Identification of metabolites with intact flavane nucleus. Food and Chemical Toxicology, 2000, 38, 739-746.	1.8	85
11	Antiprotozoal Compounds from Asparagus africanus. Journal of Natural Products, 1997, 60, 1017-1022.	1.5	83
12	Identification and Quantification of Flavonoids in Human Urine Samples by Column-Switching Liquid Chromatography Coupled to Atmospheric Pressure Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2000, 72, 1503-1509.	3.2	83
13	The Important Role of Taurine in Oxidative Metabolism. , 2006, 583, 129-135.		79
14	Bioactivation of Diclofenac in Vitro and in Vivo: Correlation to Electrochemical Studies. Chemical Research in Toxicology, 2008, 21, 1107-1119.	1.7	76
15	HPLC Method Validated for the Simultaneous Analysis of Cichoric Acid and Alkamides inEchinacea purpureaPlants and Products. Journal of Agricultural and Food Chemistry, 2003, 51, 6922-6933.	2.4	72
16	Formation Mechanism of Coamorphous Drugâ€“Amino Acid Mixtures. Molecular Pharmaceutics, 2015, 12, 2484-2492.	2.3	72
17	Two New Antiprotozoal 5-Methylcoumarins fromVernonia brachycalyx. Journal of Natural Products, 1997, 60, 458-461.	1.5	70
18	Insights into the Early Dissolution Events of Amlodipine Using UV Imaging and Raman Spectroscopy. Molecular Pharmaceutics, 2011, 8, 1372-1380.	2.3	68

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19	Hydrophilic Carboxylic Acids and Iridoid Glycosides in the Juice of American and European Cranberries (Vaccinium macrocarponandV. oxycoccos), Lingonberries (V. vitis-idaea), and Blueberries (V.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	65
20	Diversification of an ancient theme: Hydroxynitrile glucosides. Phytochemistry, 2008, 69, 1507-1516.	1.4	64
21	Near-Infrared Spectroscopy for Cocrystal Screening. A Comparative Study with Raman Spectroscopy. Analytical Chemistry, 2008, 80, 7755-7764.	3.2	56
22	Insulin diffusion and self-association characterized by real-time UV imaging and Taylor dispersion analysis. Journal of Pharmaceutical and Biomedical Analysis, 2014, 92, 203-210.	1.4	56
23	Solvent Diversity in Polymorph Screening. Journal of Pharmaceutical Sciences, 2008, 97, 2145-2159.	1.6	51
24	Combination of LC-ICP-MS, LC-MS and NMR for investigation of the oxidative degradation of selenomethionine. Talanta, 2003, 59, 1165-1171.	2.9	47
25	Exploring the Solid-Form Landscape of Pharmaceutical Hydrates: Transformation Pathways of the Sodium Naproxen Anhydrate-Hydrate System. Pharmaceutical Research, 2013, 30, 280-289.	1.7	47
26	Two simple cleanup methods combined with LC-MS/MS for quantification of steroid hormones in in vivo and in vitro assays. Analytical and Bioanalytical Chemistry, 2016, 408, 4883-4895.	1.9	43
27	Mauritian red nectar remains a mystery. Nature, 1998, 393, 529-529.	13.7	42
28	Antiprotozoal Properties of 16,17-Dihydroxybrachycalyxolide fromVernonia brachycalyx. Planta Medica, 1998, 64, 559-562.	0.7	41
29	Identification of ten new designer drugs by GCâ€MS, UPLCâ€QTOFâ€MS, and NMR as part of a police investigation of a Danish Internet company. Drug Testing and Analysis, 2012, 4, 342-354.	1.6	38
30	Phylogeny Predicts the Quantity of Antimalarial Alkaloids within the Iconic Yellow Cinchona Bark (Rubiaceae: Cinchona calisaya). Frontiers in Plant Science, 2017, 8, 391.	1.7	38
31	An Antileishmanial Chalcone from Chinese Licorice Roots. Planta Medica, 1994, 60, 121-123.	0.7	37
32	Isolation and identification of the rearrangement products of diflunisal 1-O-acyl glucuronide. Journal of Pharmaceutical and Biomedical Analysis, 1988, 6, 229-240.	1.4	36
33	Quantitative analysis of oxytetracycline and its impurities by LC-MS-MS. Journal of Pharmaceutical and Biomedical Analysis, 2004, 34, 325-332.	1.4	35
34	Molluscicidal saponins from a zimbabwean strain of Phytolacca dodecandra. Phytochemistry, 1994, 36, 753-759.	1.4	34
35	Development and Validation of Rapid Resolution RP-HPLC Method for Simultaneous Determination of Atorvastatin and Related Compounds by Use of Chemometrics. Analytical Letters, 2008, 41, 992-1009.	1.0	34
36	A comparative study of precision cut liver slices, hepatocytes, and liver microsomes from the Wistar rat using metronidazole as a model substance. Xenobiotica, 1996, 26, 709-722.	0.5	33

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37	Characterisation of tannin-containing herbal drugs by HPLC. Phytochemical Analysis, 2009, 20, 231-239.	1.2	33
38	Towards Effective Solid Form Screening. Journal of Pharmaceutical Sciences, 2010, 99, 3711-3718.	1.6	33
39	Data-enriched edible pharmaceuticals (DEEP) of medical cannabis by inkjet printing. International Journal of Pharmaceutics, 2020, 589, 119866.	2.6	33
40	Molluscicidal saponins from Catunaregam nilotica. Phytochemistry, 1995, 39, 63-68.	1.4	32
41	Disproportionation of the calcium salt of atorvastatin in the presence of acidic excipients. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 410-416.	2.0	32
42	Identification of major degradation products of 5-aminosalicylic acid formed in aqueous solutions and in pharmaceuticals. International Journal of Pharmaceutics, 1992, 88, 177-187.	2.6	31
43	In vitro release studies of insulin from lipid implants in solution and in a hydrogel matrix mimicking the subcutis. European Journal of Pharmaceutical Sciences, 2016, 81, 103-112.	1.9	30
44	Application of Directly Coupled HPLC NMR to Separation and Characterization of Lipoproteins from Human Serum. Analytical Chemistry, 2001, 73, 1084-1090.	3.2	29
45	Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs. Journal of Agricultural and Food Chemistry, 1997, 45, 2332-2340.	2.4	28
46	Identification of reaction products between drug substances and excipients by HPLCâ€“SPEâ€“NMR: Ester and amide formation between citric acid and 5-aminosalicylic acid. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 839-842.	1.4	28
47	Molluscicidal saponins from Phytolacca dodecandra. Phytochemistry, 1993, 32, 1167-1171.	1.4	27
48	Structure determination of natural epoxycyclopentanes by x-ray crystallography and NMR spectroscopy. Journal of Organic Chemistry, 1991, 56, 2650-2655.	1.7	26
49	Reaction between drug substances and pharmaceutical excipients: Formation of citric acid esters and amides of carvedilol in the solid state. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 11-17.	1.4	26
50	Structural basis for the transformation pathways of the sodium naproxen anhydrateâ€“hydrate system. IUCrJ, 2014, 1, 328-337.	1.0	26
51	LC-1H NMR used for determination of the elution order of S-naproxen glucuronide isomers in two isocratic reversed-phase LC-systems. Journal of Pharmaceutical and Biomedical Analysis, 2001, 24, 477-485.	1.4	25
52	Hydroindene sesquiterpenes from Thapsia villosa. Phytochemistry, 1990, 29, 873-875.	1.4	24
53	Reaction between drug substances and pharmaceutical excipients: Formation of esters between cetirizine and polyols. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 745-750.	1.4	24
54	Influence of Temperature on Solvent-Mediated Anhydrate-to-Hydrate Transformation Kinetics. Pharmaceutical Research, 2011, 28, 364-373.	1.7	24

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55	New metabolites of the drug 5-aminosalicylic acid. I:N-Î²-D-glucopyranosyl-5-aminosalicylic acid. Xenobiotica, 1989, 19, 891-899.	0.5	23
56	New Proazulene Guaianolides from Thapsia villosa. Journal of Natural Products, 1990, 53, 1479-1484.	1.5	22
57	Assessment of drug salt release from solutions, suspensions and in situ suspensions using a rotating dialysis cell. European Journal of Pharmaceutical Sciences, 2003, 19, 263-272.	1.9	22
58	Pitfalls in the sample preparation and analysis of N-acylethanolamines. Journal of Lipid Research, 2010, 51, 3062-3073.	2.0	22
59	Randomized and double-blinded pilot clinical study of the safety and anti-diabetic efficacy of the Rauvolfia-Citrus tea, as used in Nigerian Traditional Medicine. Journal of Ethnopharmacology, 2011, 133, 402-411.	2.0	22
60	Observation of the Early Structural Changes Leading to the Formation of Protein Superstructures. Journal of Physical Chemistry Letters, 2014, 5, 3254-3258.	2.1	22
61	Occurrence of lotaustralin in Berberidopsis beckleri and its relation to the chemical evolution of flacourtiaceae. Biochemical Systematics and Ecology, 1988, 16, 23-28.	0.6	21
62	Real-time UV imaging identifies the role of pH in insulin dissolution behavior in hydrogel-based subcutaneous tissue surrogate. European Journal of Pharmaceutical Sciences, 2015, 69, 26-36.	1.9	21
63	Selective Transformations of the Ca2+ Pump Inhibitor Thapsigargin.. Acta Chemica Scandinavica, 1994, 48, 340-346.	0.7	21
64	Separation and identification of the selenium-sulfur amino acid S-(methylseleno)cysteine in intestinal epithelial cell homogenates by LC-ICP-MS and LC-ESI-MS after incubation with methylseleninic acid. Journal of Analytical Atomic Spectrometry, 2008, 23, 727.	1.6	20
65	Localization of the Acyl Groups in Proazulene Guaianolides from Thapsia transtagana and Thapsia garganica. Journal of Natural Products, 1993, 56, 411-415.	1.5	18
66	Historical chemical annotations of Cinchona bark collections are comparable to results from current day high-pressure liquid chromatography technologies. Journal of Ethnopharmacology, 2020, 249, 112375.	2.0	18
67	Cyanogenesis of Adenia volkensii Harms and Tetrapathaea tetrandra Cheeseman (Passifloraceae) Revisited: Tetraphyllin B and Volkenin. Optical Rotatory Power of Cyclopentenoid Cyanohydrin Glucosides.. Acta Chemica Scandinavica, 1987, 41b, 410-421.	0.7	18
68	Rapid Insight into Heating-Induced Phase Transformations in the Solid State of the Calcium Salt of Atorvastatin Using Multivariate Data Analysis. Pharmaceutical Research, 2013, 30, 826-835.	1.7	17
69	Cyclopentenoid Cyanohydrin Glycosides with Unusual Sugar Residues.. Acta Chemica Scandinavica, 1989, 43, 51-55.	0.7	17
70	Characterisation of extracts of Hypericum perforatum L. using an on-line HPLC system with UV/visible and fluorescence detection prior to and after photochemical conversion of the effluent. Phytochemical Analysis, 2000, 11, 387-394.	1.2	16
71	Isolation and structural elucidation of tiamulin metabolites formed in liver microsomes of pigs. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 223-231.	1.4	16
72	Novel Cyclopentenoid Cyanohydrin Rhamnoglucosides from Flacourtiaceae1. Planta Medica, 1988, 54, 333-337.	0.7	15

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73	Solvent subset selection for polymorph screening. Journal of Chemometrics, 2008, 22, 621-631.	0.7	15
74	A high throughput platform for understanding the influence of excipients on physical and chemical stability. International Journal of Pharmaceutics, 2013, 453, 285-292.	2.6	15
75	New metabolites of the drug 5-aminosalicylic acid. II. N-Formyl-5-aminosalicylic acid. Xenobiotica, 1991, 21, 605-612.	0.5	14
76	Quantification of pharmaceutical peptides in human plasma by LC-ICP-MS sulfur detection. Journal of Analytical Atomic Spectrometry, 2016, 31, 1877-1884.	1.6	14
77	Syntheses of 11-Hydroxylated Guaianolides.. Acta Chemica Scandinavica, 1996, 50, 150-157.	0.7	14
78	Identification of oxidation products of 5-aminosalicylic acid in faeces and the study of their formation invitro. Biochemical Pharmacology, 1993, 45, 1201-1209.	2.0	13
79	Application of the FLIPSY Pulse Sequence for Increased Sensitivity in1H NMR-Based Metabolic Profiling Studies. Analytical Chemistry, 2008, 80, 3365-3371.	3.2	13
80	Role of Excipients on Solid-State Properties of Piroxicam During Processing. Journal of Pharmaceutical Sciences, 2012, 101, 1202-1211.	1.6	13
81	Triterpenoid saponins from Phytolacca rivinoides and Phytolacca bogotensis. Phytochemistry, 1995, 39, 625-630.	1.4	12
82	Synthesis, isolation and identification of glucuronides and mercapturic acids of a novel antiparasitic agent, licochalcone A. Xenobiotica, 1997, 27, 667-680.	0.5	12
83	Interpreting the Disordered Crystal Structure of Sodium Naproxen Tetrahydrate. Crystal Growth and Design, 2013, 13, 3665-3671.	1.4	11
84	Experimental design approach for the development and validation of an enantiospecific RP-HPLC method for simultaneous determination of clopidogrel and related compounds. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 27, 53.	0.2	11
85	Isolation, structural elucidation and in vitro activity of 2-acetyl-2-decarboxamido-oxytetracycline against environmental relevant bacteria, including tetracycline-resistant bacteria. Journal of Pharmaceutical and Biomedical Analysis, 2004, 34, 559-567.	1.4	10
86	Improved synthesis methods of standards used for quantitative determination of total isothiocyanates from broccoli in human urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 229-234.	1.2	10
87	Investigation of a dual CD chiral CE system for separation of glitazone compounds. Electrophoresis, 2009, 30, 2853-2861.	1.3	10
88	Structure elucidation and quantification of impurities formed between 6-aminocaproic acid and the excipients citric acid and sorbitol in an oral solution using high-resolution mass spectrometry and nuclear magnetic resonance spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2015, 107, 333-340.	1.4	10
89	An Optimised Method for Routine Separation and Quantification of Major Alkaloids in Cortex Cinchona by HPLC Coupled with UV and Fluorescence Detection. Phytochemical Analysis, 2017, 28, 374-380.	1.2	10
90	The stability and microbial contamination of bupivacaine, lidocaine and mepivacaine used for lameness diagnostics in horses. Veterinary Journal, 2016, 218, 7-12.	0.6	9

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91	Biological parameters in a declining population of narwhals (Monodon monoceros) in Scoresby Sound, Southeast Greenland. Arctic Science, 2022, 8, 329-348.	0.9	9
92	Data-Enriched Edible Pharmaceuticals (DEEP) with Bespoke Design, Dose and Drug Release. Pharmaceutics, 2021, 13, 1866.	2.0	8
93	Separation of metronidazole, its major metabolites and their conjugates using dynamically modified silica. Journal of Chromatography A, 1995, 697, 175-184.	1.8	7
94	Miniaturized Approach for Excipient Selection During the Development of Oral Solid Dosage Form. Journal of Pharmaceutical Sciences, 2014, 103, 900-908.	1.6	7
95	Evaluation of microwave oven heating for prediction of drugâ€“excipient compatibilities and accelerated stability studies. International Journal of Pharmaceutics, 2015, 485, 97-107.	2.6	7
96	An Efficient, Robust, and Inexpensive Grinding Device for Herbal Samples like Cinchona bark. Scientia Pharmaceutica, 2015, 83, 369-376.	0.7	6
97	Ca2+-ATPase inhibitory activity of a locked analogue of thapsigargin. Bioorganic and Medicinal Chemistry Letters, 1994, 4, 657-660.	1.0	5
98	Chemometrical Approach in Lansoprazole and Its Related Compounds Analysis by Rapid Resolution RP-HPLC Method. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 2159-2173.	0.5	5
99	Processing-induced salt formation of two oxicams in solid dosage forms affects dissolution behavior and chemical degradation. Powder Technology, 2014, 266, 175-182.	2.1	5
100	Exciton Coupling in Circular Dichroic Spectroscopy as a Tool for Establishing the Absolute Configuration of alpha,beta-Unsaturated Esters of Allylic Alcohols.. Acta Chemica Scandinavica, 1991, 45, 56-62.	0.7	5
101	3-Hydroxyisoxazole Bioisosteres of GABA. Synthesis of a Series of 4-Substituted Muscimol Analogues and Identification of a Bicyclic 2-Isoxazoline Rearrangement Product.. Acta Chemica Scandinavica, 1992, 46, 772-777.	0.7	5
102	Using Potentiometric Free Drug Sensors to Determine the Free Concentration of Ionizable Drugs in Colloidal Systems. Journal of Pharmaceutical Sciences, 2018, 107, 103-112.	1.6	4
103	Investigations of Molluscicidal Saponins from the Endod Plant Phytolacca dodecandra. Advances in Experimental Medicine and Biology, 1996, 404, 151-164.	0.8	3
104	Isolation and identification of a new metabolite of diflunisal. Journal of Pharmaceutical and Biomedical Analysis, 1991, 9, 585-588.	1.4	2
105	Synthesis and structural elucidation of glutathione and N-aceyl-cysteine conjugates of 5-aminosalicylic acid. European Journal of Pharmaceutical Sciences, 1993, 1, 143-150.	1.9	2
106	Medication Tracking: Design and Fabrication of a Dry Powder Inhaler with Integrated Acoustic Element by 3D Printing. Pharmaceutical Research, 2020, 37, 38.	1.7	2
107	Physicochemical characteristics and in vitro release from oil-based vehicles of peptidomimetics: parenteral depots for intra-articular administration. Drug Development and Industrial Pharmacy, 2011, 37, 62-71.	0.9	1