

# Claus Cornett

## List of Publications by Citations

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107  
papers

3,230  
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31  
h-index

51  
g-index

107  
ext. papers

3,473  
ext. citations

4.7  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
107	In vitro biotransformation of flavonoids by rat liver microsomes. <i>Xenobiotica</i> , <b>1998</b> , 28, 389-401	2	160
106	Human urine as test material in 1H NMR-based metabonomics: recommendations for sample preparation and storage. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 1181-6	7.8	148
105	Two-electron electrochemical oxidation of quercetin and kaempferol changes only the flavonoid C-ring. <i>Free Radical Research</i> , <b>1998</b> , 29, 339-50	4	124
104	High-Performance Liquid Chromatography On-Line Coupled to High-Field NMR and Mass Spectrometry for Structure Elucidation of Constituents of Hypericum perforatum L.. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 5235-5241	7.8	117
103	A role for taurine in mitochondrial function. <i>Journal of Biomedical Science</i> , <b>2010</b> , 17 Suppl 1, S23	13.3	98
102	Absorption, conjugation and excretion of the flavanones, naringenin and hesperetin from alpha-rhamnosidase-treated orange juice in human subjects. <i>British Journal of Nutrition</i> , <b>2010</b> , 103, 1602-36	3.6	94
101	Thioflavin T hydroxylation at basic pH and its effect on amyloid fibril detection. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15174-81	3.4	89
100	Separation of seven arsenic compounds by high-performance liquid chromatography with on-line detection by hydrogen-argon flame atomic absorption spectrometry and inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1992</b> , 7, 629-634	3.7	85
99	Biotransformation of the citrus flavone tangeretin in rats. Identification of metabolites with intact flavane nucleus. <i>Food and Chemical Toxicology</i> , <b>2000</b> , 38, 739-46	4.7	79
98	Identification and quantification of flavonoids in human urine samples by column-switching liquid chromatography coupled to atmospheric pressure chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 1503-9	7.8	79
97	1H NMR spectroscopy-based interventional metabolic phenotyping: a cohort study of rheumatoid arthritis patients. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4545-53	5.6	75
96	Bioactivation of diclofenac in vitro and in vivo: correlation to electrochemical studies. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 1107-19	4	65
95	The important role of taurine in oxidative metabolism. <i>Advances in Experimental Medicine and Biology</i> , <b>2006</b> , 583, 129-35	3.6	64
94	Antiprotozoal compounds from <i>Asparagus africanus</i> . <i>Journal of Natural Products</i> , <b>1997</b> , 60, 1017-22	4.9	62
93	Insights into the early dissolution events of amlodipine using UV imaging and Raman spectroscopy. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1372-80	5.6	61
92	Diversification of an ancient theme: hydroxynitrile glucosides. <i>Phytochemistry</i> , <b>2008</b> , 69, 1507-16	4	60
91	HPLC method validated for the simultaneous analysis of cichoric acid and alkamides in Echinacea purpurea plants and products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 6922-33	5.7	60

90	Formation Mechanism of Coamorphous Drug-Amino Acid Mixtures. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 2484-92	5.6	56
89	Hydrophilic carboxylic acids and iridoid glycosides in the juice of American and European cranberries ( <i>Vaccinium macrocarpon</i> and <i>V. oxycoccos</i> ), lingonberries ( <i>V. vitis-idaea</i> ), and blueberries ( <i>V. myrtillus</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 6871-4	5.7	56
88	Two new antiprotozoal 5-methylcoumarins from <i>Vernonia brachycalyx</i> . <i>Journal of Natural Products</i> , <b>1997</b> , 60, 458-61	4.9	52
87	Near-infrared spectroscopy for cocrystal screening. A comparative study with Raman spectroscopy. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7755-64	7.8	52
86	Exploring the solid-form landscape of pharmaceutical hydrates: transformation pathways of the sodium naproxen anhydrate-hydrate system. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 280-9	4.5	43
85	Combination of LC-ICP-MS, LC-MS and NMR for investigation of the oxidative degradation of selenomethionine. <i>Talanta</i> , <b>2003</b> , 59, 1165-71	6.2	42
84	Insulin diffusion and self-association characterized by real-time UV imaging and Taylor dispersion analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 92, 203-10	3.5	41
83	Solvent diversity in polymorph screening. <i>Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 97, 2145-59	3.9	41
82	Isolation and identification of the rearrangement products of diflunisal 1-O-acyl glucuronide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1988</b> , 6, 229-40	3.5	34
81	Identification of ten new designer drugs by GC-MS, UPLC-QTOF-MS, and NMR as part of a police investigation of a Danish internet company. <i>Drug Testing and Analysis</i> , <b>2012</b> , 4, 342-54	3.5	33
80	Towards effective solid form screening. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 3711-8	3.9	32
79	Antiprotozoal properties of 16,17-dihydrobrachycalyxolide from <i>Vernonia brachycalyx</i> . <i>Planta Medica</i> , <b>1998</b> , 64, 559-62	3.1	32
78	A comparative study of precision cut liver slices, hepatocytes, and liver microsomes from the Wistar rat using metronidazole as a model substance. <i>Xenobiotica</i> , <b>1996</b> , 26, 709-22	2	32
77	Two simple cleanup methods combined with LC-MS/MS for quantification of steroid hormones in vivo and in vitro assays. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 4883-95	4.4	31
76	Molluscicidal saponins from a Zimbabwean strain of <i>Phytolacca dodecandra</i> . <i>Phytochemistry</i> , <b>1994</b> , 36, 753-9	4	31
75	Mauritian red nectar remains a mystery. <i>Nature</i> , <b>1998</b> , 393, 529-529	50.4	30
74	In vitro release studies of insulin from lipid implants in solution and in a hydrogel matrix mimicking the subcutis. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 81, 103-12	5.1	28
73	Development and Validation of Rapid Resolution RP-HPLC Method for Simultaneous Determination of Atorvastatin and Related Compounds by Use of Chemometrics. <i>Analytical Letters</i> , <b>2008</b> , 41, 992-1009	2.2	28

72	Quantitative analysis of oxytetracycline and its impurities by LC-MS-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 34, 325-32	3.5	28
71	Application of directly coupled HPLC NMR to separation and characterization of lipoproteins from human serum. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 1084-90	7.8	28
70	Identification of major degradation products of 5-aminosalicylic acid formed in aqueous solutions and in pharmaceuticals. <i>International Journal of Pharmaceutics</i> , <b>1992</b> , 88, 177-187	6.5	28
69	Disproportionation of the calcium salt of atorvastatin in the presence of acidic excipients. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 82, 410-6	5.7	27
68	Characterisation of tannin-containing herbal drugs by HPLC. <i>Phytochemical Analysis</i> , <b>2009</b> , 20, 231-9	3.4	27
67	An antileishmanial chalcone from Chinese licorice roots. <i>Planta Medica</i> , <b>1994</b> , 60, 121-3	3.1	27
66	Molluscicidal saponins from <i>Catunaregam nilotica</i> . <i>Phytochemistry</i> , <b>1995</b> , 39, 63-8	4	26
65	Phylogeny Predicts the Quantity of Antimalarial Alkaloids within the Iconic Yellow Bark (Rubiaceae: ). <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 391	6.2	25
64	Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 2332-2340	5.7	25
63	Structure determination of natural epoxycyclopentanes by x-ray crystallography and NMR spectroscopy. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 2650-2655	4.2	25
62	Structural basis for the transformation pathways of the sodium naproxen anhydrate-hydrate system. <i>IUCrJ</i> , <b>2014</b> , 1, 328-37	4.7	24
61	Identification of reaction products between drug substances and excipients by HPLC-SPE-NMR: ester and amide formation between citric acid and 5-aminosalicylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 839-42	3.5	24
60	Molluscicidal saponins from <i>Phytolacca dodecandra</i> . <i>Phytochemistry</i> , <b>1993</b> , 32, 1167-1171	4	24
59	Influence of temperature on solvent-mediated anhydrate-to-hydrate transformation kinetics. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 364-73	4.5	23
58	Reaction between drug substances and pharmaceutical excipients: formation of citric acid esters and amides of carvedilol in the solid state. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 11-7	3.5	23
57	LC-1H NMR used for determination of the elution order of S-naproxen glucuronide isomers in two isocratic reversed-phase LC-systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2001</b> , 24, 477-85 <sup>3,5</sup>	3.5	23
56	Reaction between drug substances and pharmaceutical excipients: formation of esters between cetirizine and polyols. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 745-50	3.5	22
55	New metabolites of the drug 5-aminosalicylic acid. I: N-beta-D-glucopyranosyl-5-aminosalicylic acid. <i>Xenobiotica</i> , <b>1989</b> , 19, 891-9	2	21

54	Real-time UV imaging identifies the role of pH in insulin dissolution behavior in hydrogel-based subcutaneous tissue surrogate. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 69, 26-36	5.1	20
53	Pitfalls in the sample preparation and analysis of N-acylethanolamines. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 3062-73	6.3	20
52	Assessment of drug salt release from solutions, suspensions and in situ suspensions using a rotating dialysis cell. <i>European Journal of Pharmaceutical Sciences</i> , <b>2003</b> , 19, 263-72	5.1	20
51	Hydroindene sesquiterpenes from <i>Thapsia villosa</i> . <i>Phytochemistry</i> , <b>1990</b> , 29, 873-875	4	20
50	New proazulene guaianolides from <i>Thapsia villosa</i> . <i>Journal of Natural Products</i> , <b>1990</b> , 53, 1479-84	4.9	20
49	Occurrence of lotaustralin in <i>Berberidopsis beckleri</i> and its relation to the chemical evolution of flacourtiaceae. <i>Biochemical Systematics and Ecology</i> , <b>1988</b> , 16, 23-28	1.4	20
48	Selective Transformations of the Ca <sup>2+</sup> Pump Inhibitor Thapsigargin.. <i>Acta Chemica Scandinavica</i> , <b>1994</b> , 48, 340-346		20
47	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. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 727	3.7	19
46	Randomized and double-blinded pilot clinical study of the safety and anti-diabetic efficacy of the Rauwolfia-Citrus tea, as used in Nigerian traditional medicine. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 133, 402-11	5	17
45	Cyanogenesis of <i>Adenia volkensii</i> Harms and <i>Tetraphaeta tetrandra</i> Cheeseman (Passifloraceae) Revisited: Tetraphyllin B and Volkenin. Optical Rotatory Power of Cyclopentenoid Cyanohydrin Glucosides.. <i>Acta Chemica Scandinavica</i> , <b>1987</b> , 41b, 410-421		17
44	Localization of the Acyl Groups in Proazulene Guaianolides from <i>Thapsia transtagana</i> and <i>Thapsia garganica</i> . <i>Journal of Natural Products</i> , <b>1993</b> , 56, 411-415	4.9	16
43	Data-enriched edible pharmaceuticals (DEEP) of medical cannabis by inkjet printing. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 589, 119866	6.5	16
42	A high throughput platform for understanding the influence of excipients on physical and chemical stability. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 453, 285-92	6.5	15
41	Cyclopentenoid cyanohydrin glycosides with unusual sugar residues. <i>Acta Chemica Scandinavica</i> , <b>1989</b> , 43, 51-5		15
40	Rapid insight into heating-induced phase transformations in the solid state of the calcium salt of atorvastatin using multivariate data analysis. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 826-35	4.5	14
39	Isolation and structural elucidation of tiamulin metabolites formed in liver microsomes of pigs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 223-31	3.5	14
38	Characterisation of extracts of <i>Hypericum perforatum</i> L. using an on-line HPLC system with UV/visible and fluorescence detection prior to and after photochemical conversion of the effluent. <i>Phytochemical Analysis</i> , <b>2000</b> , 11, 387-394	3.4	14
37	Novel cyclopentenoid cyanohydrin rhamnoglucosides from flacourtiaceae <sup>1</sup> . <i>Planta Medica</i> , <b>1988</b> , 54, 333-7	3.1	14

36	Observation of the Early Structural Changes Leading to the Formation of Protein Superstructures. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3254-8	6.4	13
35	Identification of oxidation products of 5-aminosalicylic acid in faeces and the study of their formation in vitro. <i>Biochemical Pharmacology</i> , <b>1993</b> , 45, 1201-9	6	13
34	Syntheses of 11-Hydroxylated Guaianolides.. <i>Acta Chemica Scandinavica</i> , <b>1996</b> , 50, 150-157		13
33	Quantification of pharmaceutical peptides in human plasma by LC-ICP-MS sulfur detection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1877-1884	3.7	13
32	Role of excipients on solid-state properties of piroxicam during processing. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 1202-11	3.9	12
31	Application of the FLIPSY pulse sequence for increased sensitivity in 1H NMR-based metabolic profiling studies. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3365-71	7.8	12
30	Triterpenoid saponins from <i>Phytolacca rivinoides</i> and <i>Phytolacca bogotensis</i> . <i>Phytochemistry</i> , <b>1995</b> , 39, 625-30	4	12
29	New metabolites of the drug 5-aminosalicylic acid. II. N-formyl-5-aminosalicylic acid. <i>Xenobiotica</i> , <b>1991</b> , 21, 605-12	2	12
28	Solvent subset selection for polymorph screening. <i>Journal of Chemometrics</i> , <b>2008</b> , 22, 621-631	1.6	11
27	Interpreting the Disordered Crystal Structure of Sodium Naproxen Tetrahydrate. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 3665-3671	3.5	10
26	Investigation of a dual CD chiral CE system for separation of glitazone compounds. <i>Electrophoresis</i> , <b>2009</b> , 30, 2853-61	3.6	10
25	Improved synthesis methods of standards used for quantitative determination of total isothiocyanates from broccoli in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 852, 229-34	3.2	10
24	Isolation, structural elucidation and in vitro activity of 2-acetyl-2-decarboxamido-oxytetracycline against environmental relevant bacteria, including tetracycline-resistant bacteria. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 34, 559-67	3.5	10
23	Experimental design approach for the development and validation of an enantiospecific RP-HPLC method for simultaneous determination of clopidogrel and related compounds. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , <b>2013</b> , 27, 53	1.1	10
22	An Optimised Method for Routine Separation and Quantification of Major Alkaloids in Cortex Cinchona by HPLC Coupled with UV and Fluorescence Detection. <i>Phytochemical Analysis</i> , <b>2017</b> , 28, 374-380	3.4	9
21	Synthesis, isolation and identification of glucuronides and mercapturic acids of a novel antiparasitic agent, licochalcone A. <i>Xenobiotica</i> , <b>1997</b> , 27, 667-80	2	9
20	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 107, 333-40	3.5	8
19	Historical chemical annotations of Cinchona bark collections are comparable to results from current day high-pressure liquid chromatography technologies. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 249, 112375	5	8

18	Evaluation of microwave oven heating for prediction of drug-excipient compatibilities and accelerated stability studies. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 485, 97-107	6.5	7
17	Miniaturized approach for excipient selection during the development of oral solid dosage form. <i>Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 103, 900-8	3.9	7
16	Separation of metronidazole, its major metabolites and their conjugates using dynamically modified silica. <i>Journal of Chromatography A</i> , <b>1995</b> , 697, 175-184	4.5	7
15	Processing-induced salt formation of two oxicams in solid dosage forms affects dissolution behavior and chemical degradation. <i>Powder Technology</i> , <b>2014</b> , 266, 175-182	5.2	5
14	Using Potentiometric Free Drug Sensors to Determine the Free Concentration of Ionizable Drugs in Colloidal Systems. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 103-112	3.9	4
13	An Efficient, Robust, and Inexpensive Grinding Device for Herbal Samples like Cinchona Bark. <i>Scientia Pharmaceutica</i> , <b>2015</b> , 83, 369-76	4.3	4
12	Chemometrical Approach in Lansoprazole and Its Related Compounds Analysis by Rapid Resolution RP-HPLC Method. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2008</b> , 31, 2159-2173	1.3	4
11	Ca <sup>2+</sup> -ATPase inhibitory activity of a locked analogue of thapsigargin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1994</b> , 4, 657-660	2.9	4
10	Exciton Coupling in Circular Dichroic Spectroscopy as a Tool for Establishing the Absolute Configuration of alpha,beta-Unsaturated Esters of Allylic Alcohols.. <i>Acta Chemica Scandinavica</i> , <b>1991</b> , 45, 56-62		4
9	3-Hydroxyisoxazole Bioisosteres of GABA. Synthesis of a Series of 4-Substituted Muscimol Analogues and Identification of a Bicyclic 2-Isoxazoline Rearrangement Product.. <i>Acta Chemica Scandinavica</i> , <b>1992</b> , 46, 772-777		4
8	The stability and microbial contamination of bupivacaine, lidocaine and mepivacaine used for lameness diagnostics in horses. <i>Veterinary Journal</i> , <b>2016</b> , 218, 7-12	2.5	3
7	Synthesis and structural elucidation of glutathione and N-aceyl-cysteine conjugates of 5-aminosalicylic acid. <i>European Journal of Pharmaceutical Sciences</i> , <b>1993</b> , 1, 143-150	5.1	2
6	Isolation and identification of a new metabolite of diflunisal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1991</b> , 9, 585-8	3.5	2
5	Investigations of molluscicidal saponins from the Endod plant <i>Phytolacca dodecandra</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 404, 151-64	3.6	2
4	Data-Enriched Edible Pharmaceuticals (DEEP) with Bespoke Design, Dose and Drug Release. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
3	Medication Tracking: Design and Fabrication of a Dry Powder Inhaler with Integrated Acoustic Element by 3D Printing. <i>Pharmaceutical Research</i> , <b>2020</b> , 37, 38	4.5	0
2	Physicochemical characteristics and in vitro release from oil-based vehicles of peptidomimetics: parenteral depots for intra-articular administration. <i>Drug Development and Industrial Pharmacy</i> , <b>2011</b> , 37, 62-71	3.6	0
1	Biological parameters in a declining population of narwhals ( <i>Monodon monoceros</i> ) in Scoresby Sound, Southeast Greenland. <i>Arctic Science</i> , 1-20	2.2	0

