

# Ulrike Holzgrabe

## List of Publications by Year in descending order

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500  
papers

14,307  
citations

34105

52  
h-index

48315

88  
g-index

568  
all docs

568  
docs citations

568  
times ranked

14385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atroposelective Total Synthesis of Axially Chiral Biaryl Natural Products. <i>Chemical Reviews</i> , 2011, 111, 563-639.	47.7	1,085
2	The Assignment of Absolute Stereostructures through Quantum Chemical Circular Dichroism Calculations. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2717-2727.	2.4	295
3	Quantitative NMR spectroscopy in pharmaceutical applications. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2010, 57, 229-240.	7.5	276
4	Quaternary Ammonium Salts and Their Antimicrobial Potential: Targets or Nonspecific Interactions?. <i>ChemMedChem</i> , 2012, 7, 22-31.	3.2	264
5	Penetration of Antibacterials into Bone. <i>Clinical Pharmacokinetics</i> , 2009, 48, 89-124.	3.5	252
6	Quantitative NMR spectroscopy Applications in drug analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 806-812.	2.8	222
7	Comparison of Pharmacological Activities of Three Distinct $\mu$ Ligands (Salvinorin A, TRK-820 and 3FLB) on $\mu$ Opioid Receptors in Vitro and Their Antipruritic and Antinociceptive Activities in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 220-230.	2.5	174
8	Targeting acetylcholinesterase to treat neurodegeneration. <i>Expert Opinion on Therapeutic Targets</i> , 2007, 11, 161-179.	3.4	172
9	Dualsteric GPCR targeting: a novel route to binding and signaling pathway selectivity. <i>FASEB Journal</i> , 2009, 23, 442-450.	0.5	140
10	The online assignment of the absolute configuration of natural products: HPLC-CD in combination with quantum chemical CD calculations. <i>Chirality</i> , 2008, 20, 628-642.	2.6	124
11	Photocatalyzed [2 + 2 + 2]-Cycloaddition of Nitriles with Acetylene: An Effective Method for the Synthesis of 2-Pyridines under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2002, 67, 4414-4422.	3.2	118
12	The allosteric vestibule of a seven transmembrane helical receptor controls G-protein coupling. <i>Nature Communications</i> , 2012, 3, 1044.	12.8	117
13	NMR techniques in biomedical and pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 1-15.	2.8	114
14	NMR spectroscopy in pharmacy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 557-616.	2.8	111
15	Systematic Comparison of the Population Pharmacokinetics and Pharmacodynamics of Piperacillin in Cystic Fibrosis Patients and Healthy Volunteers. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2497-2507.	3.2	108
16	Charged aerosol detection in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 69, 50-63.	2.8	105
17	Rational design of dualsteric GPCR ligands: quests and promise. <i>British Journal of Pharmacology</i> , 2010, 159, 997-1008.	5.4	103
18	Acetylcholinesterase Inhibitors with Photoswitchable Inhibition of $\beta$ -Amyloid Aggregation. <i>ACS Chemical Neuroscience</i> , 2014, 5, 377-389.	3.5	96

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19	Vibrational spectroscopic characterization of fluoroquinolones. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 1505-1517.	3.9	94
20	Axially Chiral $\lambda^2, \lambda^2$ -Bisporphyrins: Synthesis and Configurational Stability Tuned by the Central Metals. <i>Journal of the American Chemical Society</i> , 2008, 130, 17812-17825.	13.7	90
21	Quality assessment of unfractionated heparin using $^1\text{H}$ nuclear magnetic resonance spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 13-19.	2.8	88
22	Allosteric ligands for G protein-coupled receptors: A novel strategy with attractive therapeutic opportunities. <i>Medicinal Research Reviews</i> , 2010, 30, 463-549.	10.5	88
23	Evaluation by Monte Carlo Simulation of the Pharmacokinetics of Two Doses of Meropenem Administered Intermittently or as a Continuous Infusion in Healthy Volunteers. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1881-1889.	3.2	87
24	"Pro et contra" ionic liquid drugs – Challenges and opportunities for pharmaceutical translation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 291-304.	4.3	87
25	Analytical challenges in drug counterfeiting and falsification – The NMR approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 679-687.	2.8	81
26	Ancistrocladinium A and B, the First N,C-Coupled Naphthyldihydroisoquinoline Alkaloids, from a Congolese <i>Ancistrocladus</i> Species. <i>Journal of Organic Chemistry</i> , 2006, 71, 9348-9356.	3.2	80
27	Stereochemistry of Isoplagiochin C, A Macrocyclic Bisbibenzyl from Liverworts. <i>Journal of the American Chemical Society</i> , 2004, 126, 9283-9290.	13.7	79
28	Aziridine-2,3-dicarboxylate inhibitors targeting the major cysteine protease of <i>Trypanosoma brucei</i> as lead trypanocidal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2753-2757.	2.2	79
29	Discovery of Highly Selective and Nanomolar Carbamate-Based Butyrylcholinesterase Inhibitors by Rational Investigation into Their Inhibition Mode. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2067-2082.	6.4	76
30	Molecular Alliance – From Orthosteric and Allosteric Ligands to Dualsteric/Bitopic Agonists at G-protein Coupled Receptors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 508-516.	13.8	74
31	Transformation of acidic poorly water soluble drugs into ionic liquids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 73-82.	4.3	74
32	Characterization of bacterial growth and the influence of antibiotics by means of UV resonance Raman spectroscopy. <i>Biopolymers</i> , 2006, 82, 306-311.	2.4	73
33	Extract screening by HPLC coupled to MS – MS, NMR, and CD: a dimeric and three monomeric naphthylisoquinoline alkaloids from <i>Ancistrocladus griffithii</i> . <i>Phytochemistry</i> , 2002, 61, 195-204.	2.9	71
34	Design, Synthesis, and Action of Oxotremorine-Related Hybrid-Type Allosteric Modulators of Muscarinic Acetylcholine Receptors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 366-372.	6.4	71
35	Inhibition of Cytochrome P450 3A4 by Extracts and Kavalactones of <i>Piper methysticum</i> (Kava-Kava). <i>Planta Medica</i> , 2002, 68, 1055-1058.	1.3	70
36	Structure-Activity Relationships in a Series of Bisquaternary Bisphthalimidine Derivatives Modulating the Muscarinic M2-Receptor Allosterically. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2155-2164.	6.4	67

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37	Analysis of the glucosinolate pattern of <i>Arabidopsis thaliana</i> seeds by capillary zone electrophoresis coupled to electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 1513-1522.	2.4	67
38	Ligand Binding Ensembles Determine Graded Agonist Efficacies at a G Protein-coupled Receptor. <i>Journal of Biological Chemistry</i> , 2016, 291, 16375-16389.	3.4	67
39	Why not using capillary electrophoresis in drug analysis?. <i>Electrophoresis</i> , 2006, 27, 2283-2292.	2.4	65
40	Ancistrolikoline E <sub>3</sub> , a 5,8-Coupled Naphthylisoquinoline Alkaloid, Eliminates the Tolerance of Cancer Cells to Nutrition Starvation by Inhibition of the Akt/mTOR/Autophagy Signaling Pathway. <i>Journal of Natural Products</i> , 2018, 81, 2282-2291.	3.0	64
41	Allosteric modulators of ligand binding to muscarinic acetylcholine receptors. <i>Drug Discovery Today</i> , 1998, 3, 214-222.	6.4	63
42	Population Pharmacokinetics at Two Dose Levels and Pharmacodynamic Profiling of Flucloxacillin. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3290-3297.	3.2	63
43	Determination of binding constants of cyclodextrin inclusion complexes with amino acids and dipeptides by potentiometric titration. <i>Chirality</i> , 2004, 16, 509-515.	2.6	62
44	Different polyketide folding modes converge to an identical molecular architecture. , 2006, 2, 429-433.		62
45	Dioncophyllines C <sub>2</sub> , D <sub>2</sub> , and F and Related Naphthylisoquinoline Alkaloids from the Congolese Liana <i>Ancistrocladus ileboensis</i> with Potent Activities against <i>Plasmodium falciparum</i> and against Multiple Myeloma and Leukemia Cell Lines. <i>Journal of Natural Products</i> , 2017, 80, 443-458.	3.0	62
46	A Photoswitchable Dualsteric Ligand Controlling Receptor Efficacy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7282-7287.	13.8	61
47	Axially Chiral Directly $\hat{\text{I}}^2, \hat{\text{I}}^2$ -Linked Bisporphyrins: Synthesis and Stereostructure. <i>Organic Letters</i> , 2006, 8, 4743-4746.	4.6	60
48	Study on the chiral recognition of the enantiomers of ephedrine derivatives with neutral and sulfated heptakis(2,3-O-diacetyl)- $\hat{\text{I}}^2$ -cyclodextrins using capillary electrophoresis, UV, nuclear magnetic resonance spectroscopy and mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 914, 315-324.	3.7	59
49	Ancisheynine, the First N,C-Coupled Naphthylisoquinoline Alkaloid: Total Synthesis and Stereochemical Analysis. <i>Organic Letters</i> , 2006, 8, 1037-1040.	4.6	58
50	Agonists with supraphysiological efficacy at the muscarinic $\text{M}_2$ ACh receptor. <i>British Journal of Pharmacology</i> , 2013, 169, 357-370.	5.4	58
51	Chiral discrimination of phenethylamines with $\hat{\text{I}}^2$ -cyclodextrin and heptakis(2,3-di-O-acetyl) $\hat{\text{I}}^2$ -cyclodextrin by capillary electrophoresis and NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 1507-1517.	2.8	56
52	Search for dual function inhibitors for Alzheimer's disease: Synthesis and biological activity of acetylcholinesterase inhibitors of pyridinium-type and their $\text{A}\hat{\text{I}}^2$ fibril formation inhibition capacity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 472-478.	3.0	56
53	Mbandakamines A and B, Unsymmetrically Coupled Dimeric Naphthylisoquinoline Alkaloids, from a Congolese <i>Ancistrocladus</i> Species. <i>Organic Letters</i> , 2013, 15, 2590-2593.	4.6	56
54	Plasma Protein Binding of Gyrase Inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 215-220.	3.3	54

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55	Total Synthesis of the <i>N,C</i> -Coupled Naphthylisoquinoline Alkaloids Ancistrocladinium A and B and Related Analogues. <i>Journal of the American Chemical Society</i> , 2010, 132, 1151-1158.	13.7	53
56	<sup>1</sup> H NMR Spectroscopy as a New Tool in the Assessment of the Oxidative State in Edible Oils. <i>JAOCs</i> , <i>Journal of the American Oil Chemists' Society</i> , 2012, 89, 1383-1391.	1.9	53
57	<i>Valeriana wallichii</i> root extracts and fractions with activity against <i>Leishmania</i> spp. <i>Parasitology Research</i> , 2011, 108, 861-871.	1.6	52
58	The contamination of valsartan and other sartans, part 1: New findings. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 395-405.	2.8	52
59	Optical Control of Cardiac Function with a Photoswitchable Muscarinic Agonist. <i>Journal of the American Chemical Society</i> , 2019, 141, 7628-7636.	13.7	52
60	Dimeric naphthylisoquinoline alkaloids: polyketide-derived axially chiral bioactive quateraryls. <i>Natural Product Reports</i> , 2019, 36, 1513-1545.	10.3	51
61	Atypical Muscarinic Allosteric Modulation: Cooperativity between Modulators and Their Atypical Binding Topology in Muscarinic M2 and M2/M5 Chimeric Receptors. <i>Molecular Pharmacology</i> , 2005, 68, 1597-1610.	2.3	49
62	Routine quality control of medicines in developing countries: Analytical challenges, regulatory infrastructures and the prevalence of counterfeit medicines in Tanzania. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 60-70.	11.4	49
63	Control of impurities in L-aspartic acid and L-alanine by high-performance liquid chromatography coupled with a corona charged aerosol detector. <i>Journal of Chromatography A</i> , 2010, 1217, 294-301.	3.7	48
64	Population Pharmacokinetic Comparison and Pharmacodynamic Breakpoints of Ceftazidime in Cystic Fibrosis Patients and Healthy Volunteers. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1275-1282.	3.2	48
65	Design, Synthesis and Evaluation of Novel 2-(Aminoalkyl)-3-indoline-1,3-dione Derivatives as Dual Binding Site Acetylcholinesterase Inhibitors. <i>Archiv Der Pharmazie</i> , 2012, 345, 509-516.	4.1	48
66	<sup>1</sup> H NMR Profiling as an Approach To Differentiate Conventionally and Organically Grown Tomatoes. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8530-8540.	5.2	48
67	Microwave-enhanced hydrogenations at medium pressure using a newly constructed reactor. <i>Tetrahedron Letters</i> , 2005, 46, 1247-1249.	1.4	47
68	Antitumoral and antileishmanial dioncoquinones and ancistroquinones from cell cultures of <i>Triphyophyllum peltatum</i> (Dioncophyllaceae) and <i>Ancistrocladus abbreviatus</i> (Ancistrocladaceae). <i>Phytochemistry</i> , 2008, 69, 2501-2509.	2.9	47
69	Enantioseparation of dopa and related compounds by cyclodextrin-modified microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2008, 1204, 191-196.	3.7	47
70	Composition of OSCS-contaminated heparin occurring in 2008 in batches on the German market. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 40, 297-304.	4.0	47
71	A Cell-Permeable Inhibitor to Trap G $\alpha$ q Proteins in the Empty Pocket Conformation. <i>Chemistry and Biology</i> , 2014, 21, 890-902.	6.0	47
72	Elevation of Ligand Binding to Muscarinic M2 Acetylcholine Receptors by Bis(ammonio)alkane-Type Allosteric Modulators. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3809-3812.	6.4	45

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73	Allosteric Small Molecules Unveil a Role of an Extracellular E2/Transmembrane Helix 7 Junction for G Protein-coupled Receptor Activation. <i>Journal of Biological Chemistry</i> , 2007, 282, 34968-34976.	3.4	45
74	Identification and control of impurities in streptomycin sulfate by high-performance liquid chromatography coupled with mass detection and corona charged-aerosol detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 271-279.	2.8	45
75	Dynamic ligand binding dictates partial agonism at a G protein-coupled receptor. <i>Nature Chemical Biology</i> , 2014, 10, 18-20.	8.0	45
76	Effect of $\beta$ -cyclodextrin acetylation on the resolution of phenethylamines with capillary electrophoresis and nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 1997, 758, 277-292.	3.7	44
77	Do we know the mechanism of chiral recognition between cyclodextrins and analytes?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 27, 531-540.	2.8	44
78	Analysis of atropine, its degradation products and related substances of natural origin by means of reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1046, 115-120.	3.7	44
79	Knipholone and related 4-phenylanthraquinones: structurally, pharmacologically, and biosynthetically remarkable natural products. <i>Natural Product Reports</i> , 2008, 25, 696.	10.3	44
80	Facts and facts of epinephrine and norepinephrine stability in injectable solutions. <i>International Journal of Pharmaceutics</i> , 2012, 434, 468-480.	5.2	44
81	Fatty acid composition analysis in polysorbate 80 with high performance liquid chromatography coupled to charged aerosol detection. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 569-574.	4.3	44
82	Six naphthylisoquinoline alkaloids and a related benzopyranone from a Congolese <i>Ancistrocladus</i> species related to <i>Ancistrocladus congolensis</i> . <i>Phytochemistry</i> , 2008, 69, 1065-1075.	2.9	43
83	Pipecolic Acid Derivatives As Small-Molecule Inhibitors of the <i>Legionella</i> MIP Protein. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 277-283.	6.4	43
84	The Influence of Fluoroquinolone Drugs on the Bacterial Growth of <i>S. epidermidis</i> Utilizing the Unique Potential of Vibrational Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 2898-2906.	2.5	42
85	Quantitative NMR spectroscopy of biologically active substances and excipients. <i>Bioanalytical Reviews</i> , 2010, 2, 1-22.	0.2	42
86	Interaction of (benzylidene-hydrazono)-1,4-dihydropyridines with $\beta$ -amyloid, acetylcholine, and butyrylcholine esterases. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2049-2059.	3.0	42
87	Differentiation of Organically and Conventionally Grown Tomatoes by Chemometric Analysis of Combined Data from Proton Nuclear Magnetic Resonance and Mid-infrared Spectroscopy and Stable Isotope Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9666-9675.	5.2	42
88	Current role and future perspectives of multivariate (chemometric) methods in NMR spectroscopic analysis of pharmaceutical products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 580-589.	2.8	42
89	Search for the Pharmacophore of Bispyridinium-Type Allosteric Modulators of Muscarinic Receptors. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 1439-1445.	6.4	41
90	Enantioseparation of chiral tropane alkaloids by means of cyclodextrin-modified microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2007, 28, 2693-2700.	2.4	41

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91	Competitive inhibition of renal tubular secretion of ciprofloxacin and metabolite by probenecid. <i>British Journal of Clinical Pharmacology</i> , 2010, 69, 167-178.	2.4	41
92	An LC-MS/MS procedure for the quantification of naproxen in human plasma: Development, validation, comparison with other methods, and application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1686-1696.	2.3	41
93	HIV-inhibitory michellamine-type dimeric naphthylisoquinoline alkaloids from the Central African liana <i>Ancistrocladus congolensis</i> . <i>Phytochemistry</i> , 2016, 128, 71-81.	2.9	41
94	A new micellar electrokinetic capillary chromatography method for separation of the components of the aminoglycoside antibiotics. <i>Electrophoresis</i> , 2003, 24, 2948-2957.	2.4	40
95	Jozilebomines A and B, Naphthylisoquinoline Dimers from the Congolese Liana <i>Ancistrocladus ileboensis</i> , with Antiausterity Activities against the PANC-1 Human Pancreatic Cancer Cell Line. <i>Journal of Natural Products</i> , 2017, 80, 2807-2817.	3.0	40
96	Chiral capillary electrophoresis: Facts and fiction on the reproducibility of resolution with randomly substituted cyclodextrins. <i>Electrophoresis</i> , 2004, 25, 2801-2807.	2.4	39
97	A Small-Molecule Inhibitor of Nipah Virus Envelope Protein-Mediated Membrane Fusion. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4257-4265.	6.4	39
98	Structure-Activity Relationship and Studies on the Molecular Mechanism of Leishmanicidal <i>N</i> -Coupled Arylisoquinolinium Salts. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 626-636.	6.4	39
99	Determination of free fatty acids in edible oils by <sup>1</sup> H NMR spectroscopy. <i>Lipid Technology</i> , 2012, 24, 279-281.	0.3	39
100	Antiviral Limonoids Including Khayanolides from the Trang Mangrove Plant <i>Xylocarpus moluccensis</i> . <i>Journal of Natural Products</i> , 2015, 78, 1570-1578.	3.0	39
101	Capillary electrophoresis separation of phenethylamine enantiomers using amino acid based ionic liquids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 245-250.	2.8	39
102	Synthesis and Opioid Receptor Affinity of a Series of 2,4-Diaryl-Substituted 3,7-Diazabicyclononanones. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3746-3751.	6.4	38
103	Synthesis, Biological Activity, and Docking Studies of New Acetylcholinesterase Inhibitors of the Bispyridinium Type. <i>Archiv Der Pharmazie</i> , 2003, 336, 523-540.	4.1	37
104	NMR Spectroscopic and Molecular Modelling Studies on Cyclodextrin-Dipeptide Inclusion Complexes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1578-1589.	2.4	37
105	Comparison of established and novel purity tests for the quality control of heparin by means of a set of 177 heparin samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 605-620.	3.7	37
106	Mbandakamine-Type Naphthylisoquinoline Dimers and Related Alkaloids from the Central African Liana <i>Ancistrocladus ealaensis</i> with Antiparasitic and Antileukemic Activities. <i>Journal of Natural Products</i> , 2018, 81, 918-933.	3.0	37
107	Induction of apoptosis in breast cancer cells by naphthylisoquinoline alkaloids. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115297.	2.8	37
108	Enantioseparation of dihydropyridine derivatives by means of neutral and negatively charged $\beta$ -cyclodextrin derivatives using capillary electrophoresis. <i>Electrophoresis</i> , 2000, 21, 3609-3617.	2.4	36



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109	Analytical characterisation of crude extracts from an african <i>Ancistrocladus</i> species using high-performance liquid chromatography and capillary electrophoresis coupled to ion trap mass spectrometry. <i>Phytochemical Analysis</i> , 2004, 15, 21-26.	2.4	36
110	Modeling antibiotic and cytotoxic effects of the dimeric isoquinoline IQ-143 on metabolism and its regulation in <i>Staphylococcus aureus</i> , <i>Staphylococcus epidermidis</i> and human cells. <i>Genome Biology</i> , 2011, 12, R24.	9.6	36
111	Anti-tumoral activities of dioncoquinones B and C and related naphthoquinones gained from total synthesis or isolation from plants. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5778-5789.	5.5	36
112	Ionic Liquid Versus Prodrug Strategy to Address Formulation Challenges. <i>Pharmaceutical Research</i> , 2015, 32, 2154-2167.	3.5	36
113	Assignment of the major and minor components of gentamicin for evaluation of batches. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 589-598.	1.9	35
114	Use of evaporative light scattering detection for the quality control of drug substances: Influence of different liquid chromatographic and evaporative light scattering detector parameters on the appearance of spike peaks. <i>Journal of Chromatography A</i> , 2010, 1217, 2163-2170.	3.7	35
115	Phenolic analogs of the N,C-coupled naphthylisoquinoline alkaloid ancistrocladinium A, from <i>Ancistrocladus cochinchinensis</i> ( <i>Ancistrocladaceae</i> ), with improved antiprotozoal activities. <i>Phytochemistry</i> , 2011, 72, 89-93.	2.9	35
116	Rational Design of Partial Agonists for the Muscarinic M <sub>1</sub> Acetylcholine Receptor. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 560-576.	6.4	35
117	Oxidative dehydrogenation of C=C and C=N bonds: A convenient approach to access diverse (dihydro)heteroaromatic compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1670-1692.	2.2	35
118	Bioactivity Potential of Marine Natural Products from Scleractinia-Associated Microbes and In Silico Anti-SARS-COV-2 Evaluation. <i>Marine Drugs</i> , 2020, 18, 645.	4.6	35
119	Inhibition of flucloxacillin tubular renal secretion by piperacillin. <i>British Journal of Clinical Pharmacology</i> , 2008, 66, 648-659.	2.4	34
120	<sup>1</sup> H NMR approach as an alternative to the classical p-anisidine value method. <i>European Food Research and Technology</i> , 2012, 235, 1101-1105.	3.3	34
121	Synthesis and Structure-Activity Relationships of New Quinolone-Type Molecules against <i>Trypanosoma brucei</i> . <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2538-2548.	6.4	34
122	A Novel <i>Leishmania major</i> Amastigote Assay in 96-Well Format for Rapid Drug Screening and Its Use for Discovery and Evaluation of a New Class of Leishmanicidal Quinolinium Salts. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3003-3011.	3.2	34
123	Determination of free fatty acids in pharmaceutical lipids by <sup>1</sup> H NMR and comparison with the classical acid value. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 93, 43-50.	2.8	34
124	Focus on PAINS: false friends in the quest for selective anti-protozoal lead structures from Nature?. <i>MedChemComm</i> , 2016, 7, 214-223.	3.4	34
125	Novel lead compounds in pre-clinical development against African sleeping sickness. <i>MedChemComm</i> , 2017, 8, 1872-1890.	3.4	34
126	Determination of the extent of protein binding of antibiotics by means of an automated continuous ultrafiltration method. <i>International Journal of Pharmaceutics</i> , 2006, 311, 108-112.	5.2	33



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127	Convergence in the biosynthesis of acetogenic natural products from plants, fungi, and bacteria. <i>Phytochemistry</i> , 2009, 70, 1776-1786.	2.9	33
128	The role of solvents in the signal separation for quantitative <sup>1</sup> H NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 51-58.	2.8	33
129	Highly selective antiplasmodial naphthylisoquinoline alkaloids from <i>Ancistrocladus tectorius</i> . <i>Phytochemistry</i> , 2013, 91, 220-228.	2.9	33
130	Predicting critical micelle concentration and micelle molecular weight of polysorbate 80 using compendial methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 559-568.	4.3	33
131	Recent applications of the Charged Aerosol Detector for liquid chromatography in drug quality control. <i>Journal of Chromatography A</i> , 2020, 1619, 460911.	3.7	33
132	Comparison of structurally different allosteric modulators of muscarinic receptors by self-organizing neural networks. <i>Journal of Molecular Graphics</i> , 1996, 14, 185-193.	1.1	32
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