Kenneth Thermann Kongstad

List of Publications by Year
in descending order

52 papers	1,383 citations	331538 21 h-index	360920 35 g-index
53 all docs	53 docs citations	53 times ranked	1839 citing authors

#	Article	IF	Citations
1	Expanding the Landscape of Diterpene Structural Diversity through Stereochemically Controlled Combinatorial Biosynthesis. Angewandte Chemie - International Edition, 2016, 55, 2142-2146.	7.2	134
2	Edible seaweed as future functional food: Identification of Î±-glucosidase inhibitors by combined use of high-resolution Î±-glucosidase inhibition profiling and HPLCâ€“HRMSâ€“SPEâ€“NMR. Food Chemistry, 2016, 203, 16-22.	4.2	77
3	High-Resolution Î±-Amylase Assay Combined with High-Performance Liquid Chromatographyâ€“Solid-Phase Extractionâ€“Nuclear Magnetic Resonance Spectroscopy for Expedited Identification of Î±-Amylase Inhibitors: Proof of Concept and Î±-Amylase Inhibitor in Cinnamon. Journal of Agricultural and Food Chemistry, 2014, 62, 11465-11471.	2.4	64
4	Identification of PTP1B and Î±-Glucosidase Inhibitory Serrulatanes from Eremophila spp. by Combined use of Dual High-Resolution PTP1B and Î±-Glucosidase Inhibition Profiling and HPLC-HRMS-SPE-NMR. Journal of Natural Products, 2016, 79, 1063-1072.	1.5	54
5	Potential of Polygonum cuspidatum Root as an Antidiabetic Food: Dual High-Resolution Î±-Glucosidase and PTP1B Inhibition Profiling Combined with HPLC-HRMS and NMR for Identification of Antidiabetic Constituents. Journal of Agricultural and Food Chemistry, 2017, 65, 4421-4427.	2.4	51
6	High-resolution PTP1B inhibition profiling combined with high-performance liquid chromatographyâ€“high-resolution mass spectrometryâ€“solid-phase extractionâ€“nuclear magnetic resonance spectroscopy: Proof-of-concept and antidiabetic constituents in crude extract of Eremophila lucida. FÃ¬toterapÃ¬Ã¢, 2016, 110, 52-58.	1.1	50
7	Combined Use of High-Resolution Î±-Glucosidase Inhibition Profiling and High-Performance Liquid Chromatographyâ€“High-Resolution Mass Spectrometryâ€“Solid-Phase Extractionâ€“Nuclear Magnetic Resonance Spectroscopy for Investigation of Antidiabetic Principles in Crude Plant Extracts. Journal of Agricultural and Food Chemistry, 2015, 63, 2257-2263.	2.4	49
8	Dual High-Resolution Î±-Glucosidase and Radical Scavenging Profiling Combined with HPLC-HRMS-SPE-NMR for Identification of Minor and Major Constituents Directly from the Crude Extract of Pueraria lobata. Journal of Natural Products, 2015, 78, 294-300.	1.5	47
9	Quadruple high-resolution Î±-glucosidase/Î±-amylase/PTP1B/radical scavenging profiling combined with high-performance liquid chromatographyâ€“high-resolution mass spectrometryâ€“solid-phase extractionâ€“nuclear magnetic resonance spectroscopy for identification of antidiabetic constituents in crude root bark of Morus alba L.. Journal of Chromatography A, 2018, 1556, 55-63.	1.8	47
10	Triple aldose reductase/Î±-glucosidase/radical scavenging high-resolution profiling combined with high-performance liquid chromatographyâ€“high-resolution mass spectrometryâ€“solid-phase extractionâ€“nuclear magnetic resonance spectroscopy for identification of antidiabetic constituents in crude extract of Radix Scutellariae. Journal of Chromatography A, 2015, 1408, 125-132.	1.8	43
11	From Retrospective Assessment to Prospective Decisions in Natural Product Isolation: HPLC-SPE-NMR Analysis of Carthamus oxyacantha. Journal of Natural Products, 2011, 74, 2454-2461.	1.5	42
12	Heterologous production of the widely used natural food colorant carminic acid in Aspergillus nidulans. Scientific Reports, 2018, 8, 12853.	1.6	35
13	Antidiabetic xanthones with Î±-glucosidase inhibitory activities from an endophytic Penicillium canescens. FÃ¬toterapÃ¬Ã¢, 2020, 142, 104522.	1.1	34
14	Direct ¹³C NMR Detection in HPLC Hyphenation Mode: Analysis of Ganoderma lucidum Terpenoids. Journal of Natural Products, 2012, 75, 876-882.	1.5	31
15	HPLCâ€“NMR Revisited: Using Time-Slice High-Performance Liquid Chromatographyâ€“Solid-Phase Extractionâ€“Nuclear Magnetic Resonance with Database-Assisted Dereplication. Analytical Chemistry, 2013, 85, 3183-3189.	3.2	31
16	High-Resolution Screening Combined with HPLC-HRMS-SPE-NMR for Identification of Fungal Plasma Membrane H⁺-ATPase Inhibitors from Plants. Journal of Agricultural and Food Chemistry, 2014, 62, 5595-5602.	2.4	28
17	Advancing HPLC-PDA-HRMS-SPE-NMR Analysis of Coumarins in Coleonema album by Use of Orthogonal Reversed-Phase C18 and Pentafluorophenyl Separations. Journal of Natural Products, 2017, 80, 1020-1027.	1.5	27
18	4-Hydroxy-1,2,3-triazole moiety as bioisostere of the carboxylic acid function: a novel scaffold to probe the orthosteric Î³-aminobutyric acid receptor binding site. European Journal of Medicinal Chemistry, 2018, 158, 311-321.	2.6	27

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19	Combined magnetic ligand fishing and high-resolution inhibition profiling for identification of Î±-glucosidase inhibitory ligands: A new screening approach based on complementary inhibition and affinity profiles. Talanta, 2019, 200, 279-287.	2.9	27
20	Alkaloid analysis by high-performance liquid chromatography-solid phase extraction-nuclear magnetic resonance: New strategies going beyond the standard. Journal of Chromatography A, 2012, 1270, 171-177.	1.8	26
21	Synthesis of Câ€Glucosylated Octaketide Anthraquinones in Nicotiana benthamiana by Using a Multispeciesâ€Based Biosynthetic Pathway. ChemBioChem, 2017, 18, 1893-1897.	1.3	24
22	2(5H)-Furanone sesquiterpenes from Eremophila bignoniiflora: High-resolution inhibition profiling and PTP1B inhibitory activity. Phytochemistry, 2019, 166, 112054.	1.4	23
23	Identification of Î±-Glucosidase Inhibitors in Machilus litseifolia by Combined Use of High-Resolution Î±-Glucosidase Inhibition Profiling and HPLC-PDA-HRMS-SPE-NMR. Journal of Natural Products, 2019, 82, 249-258.	1.5	23
24	Antidiabetic constituents of Dendrobium officinale as determined by high-resolution profiling of radical scavenging and Î±-glucosidase and Î±-amylase inhibition combined with HPLC-PDA-HRMS-SPE-NMR analysis. Phytochemistry Letters, 2019, 31, 47-52.	0.6	23
25	Potential antidiabetic phytochemicals in plant roots: a review of in vivo studies. Journal of Diabetes and Metabolic Disorders, 2021, 20, 1837-1854.	0.8	22
26	Positive allosteric modulation of the GHB high-affinity binding site by the GABAA receptor modulator monastrol and the flavonoid catechin. European Journal of Pharmacology, 2014, 740, 570-577.	1.7	21
27	Molecular Hybridization of Potent and Selective Î³-Hydroxybutyric Acid (GHB) Ligands: Design, Synthesis, Binding Studies, and Molecular Modeling of Novel 3-Hydroxycyclopent-1-enecarboxylic Acid (HOCPCA) and trans-Î³-Hydroxycrotonic Acid (T-HCA) Analogs. Journal of Medicinal Chemistry, 2017, 60, 9022-9039.	2.9	21
28	Five-Membered N-Heterocyclic Scaffolds as Novel Amino Bioisosteres at Î³-Aminobutyric Acid (GABA) Type A Receptors and GABA Transporters. Journal of Medicinal Chemistry, 2019, 62, 5797-5809.	2.9	20
29	Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant E.Âcoli and K.Âpneumoniae. European Journal of Medicinal Chemistry, 2019, 168, 134-145.	2.6	19
30	Characterization of midazolam metabolism in locusts: the role of a CYP3A4-like enzyme in the formation of 1â€²-OH and 4-OH midazolam. Xenobiotica, 2016, 46, 99-107.	0.5	18
31	Dual High-Resolution Î±-Glucosidase and PTP1B Inhibition Profiling Combined with HPLC-PDA-HRMS-SPE-NMR Analysis for the Identification of Potentially Antidiabetic Chromene Meroterpenoids from Rhododendron capitatum. Journal of Natural Products, 2021, 84, 2454-2467.	1.5	18
32	High-Resolution PTP1B Inhibition Profiling Combined with HPLC-HRMS-SPE-NMR for Identification of PTP1B Inhibitors from Miconia albicans. Molecules, 2018, 23, 1755.	1.7	16
33	Some transformations of tacrolimus, an immunosuppressive drug. European Journal of Pharmaceutical Sciences, 2013, 48, 514-522.	1.9	15
34	Fungal plasma membrane H+-ATPase inhibitory activity of o-hydroxybenzylated flavanones and chalcones from Uvaria chamae P. Beauv.. FÃ¬toterapÃ¬Ã¢, 2015, 105, 102-106.	1.1	15
35	Characterization of a membrane-bound C-glucosyltransferase responsible for carminic acid biosynthesis in Dactylopius coccus Costa. Nature Communications, 2017, 8, 1987.	5.8	15
36	Potential of Myrtus communis Linn. as a bifunctional food: Dual high-resolution PTP1B and Î±-glucosidase inhibition profiling combined with HPLC-HRMS and NMR for identification of antidiabetic triterpenoids and phloroglucinol derivatives. Journal of Functional Foods, 2020, 64, 103623.	1.6	15

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37	Unraveling the complexity of complex mixtures by combining high-resolution pharmacological, analytical and spectroscopic techniques: antidiabetic constituents in Chinese medicinal plants. Faraday Discussions, 2019, 218, 202-218.	1.6	14
38	Brazilian insulin plant as a bifunctional food: Dual high-resolution PTP1B and Î±-glucosidase inhibition profiling combined with HPLC-HRMS-SPE-NMR for identification of antidiabetic compounds in Myrcia rubella Cambess. Journal of Functional Foods, 2018, 45, 444-451.	1.6	13
39	Recreational drug use at a major music festival: trend analysis of anonymised pooled urine. Clinical Toxicology, 2018, 56, 245-255.	0.8	13
40	Population pharmacokineticâ€pharmacodynamic modelling of liquid and controlledâ€release formulations of oxycodone in healthy volunteers. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 263-276.	1.2	13
41	Characterization of Antileishmanial Compounds from Lawsonia inermis L. Leaves Using Semi-High Resolution Antileishmanial Profiling Combined with HPLC-HRMS-SPE-NMR. Frontiers in Pharmacology, 2017, 8, 337.	1.6	12
42	On the biosynthetic origin of carminic acid. Insect Biochemistry and Molecular Biology, 2018, 96, 51-61.	1.2	12
43	Discovery of 2-(Imidazo[1,2-b]pyridazin-2-yl)acetic Acid as a New Class of Ligands Selective for the Î³-Hydroxybutyric Acid (GHB) High-Affinity Binding Sites. Journal of Medicinal Chemistry, 2019, 62, 2798-2813.	2.9	12
44	Structure Elucidation of Prenyl- and Geranyl-Substituted Coumarins in Gerbera piloselloides by NMR Spectroscopy, Electronic Circular Dichroism Calculations, and Single Crystal X-ray Crystallography. Molecules, 2020, 25, 1706.	1.7	12
45	High-dose naloxone, an experimental tool uncovering latent sensitisation: pharmacokinetics in humans. British Journal of Anaesthesia, 2019, 123, e204-e214.	1.5	10
46	5â€(Piperidinâ€4â€yl)â€3â€Hydroxypyrazole: A Novel Scaffold for Probing the Orthosteric Î³â€Aminobutyric Acid Typeâ€…A Receptor Binding Site. ChemMedChem, 2014, 9, 2475-2485.	1.6	8
47	Reversal of ABCG2/BCRP-Mediated Multidrug Resistance by 5,3â€²,5â€²-Trihydroxy-3,6,7,4â€²-Tetramethoxyflavone Isolated from the Australian Desert Plant Eremophila galeata Chinnock. Biomolecules, 2021, 11, 1534.	1.8	8
48	19F-substituted amino acids as an alternative to fluorophore labels: monitoring of degradation and cellular uptake of analogues of penetratin by 19F NMR. Journal of Biomolecular NMR, 2019, 73, 167-182.	1.6	7
49	Developing New 4-PIOL and 4-PHP Analogues for Photoinactivation of Î³-Aminobutyric Acid Type A Receptors. ACS Chemical Neuroscience, 2019, 10, 4669-4684.	1.7	6
50	Simultaneous quantification of high-dose naloxone and naloxone-3-Î²-d-glucuronide in human plasma by UHPLCâ€“MS/MS. Bioanalysis, 2019, 11, 165-173.	0.6	4
51	Coupling Microplate-Based Antibacterial Assay with Liquid Chromatography for High-Resolution Growth Inhibition Profiling of Crude Extracts: Validation and Proof-of-Concept Study with Staphylococcus aureus. Molecules, 2021, 26, 1550.	1.7	4
52	Effect of Rouxâ€enâ€Y gastric bypass on the pharmacokineticâ€pharmacodynamic relationships of liquid and controlledâ€release formulations of oxycodone. Basic and Clinical Pharmacology and Toxicology, 2021, 129, 232-245.	1.2	3