

# Kenneth Thermann Kongstad

## List of Publications by Year in descending order

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52  
papers

1,383  
citations

331670  
21  
h-index

361022  
35  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling Microplate-Based Antibacterial Assay with Liquid Chromatography for High-Resolution Growth Inhibition Profiling of Crude Extracts: Validation and Proof-of-Concept Study with <i>Staphylococcus aureus</i> . <i>Molecules</i> , 2021, 26, 1550.	3.8	4
2	Effect of Roux-Y gastric bypass on the pharmacokinetic-pharmacodynamic relationships of liquid and controlled-release formulations of oxycodone. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 232-245.	2.5	3
3	Potential antidiabetic phytochemicals in plant roots: a review of in vivo studies. <i>Journal of Diabetes and Metabolic Disorders</i> , 2021, 20, 1837-1854.	1.9	22
4	Dual High-Resolution $\alpha$ -Glucosidase and PTP1B Inhibition Profiling Combined with HPLC-PDA-HRMS-SPE-NMR Analysis for the Identification of Potentially Antidiabetic Chromene Meroterpenoids from <i>Rhododendron capitatum</i> . <i>Journal of Natural Products</i> , 2021, 84, 2454-2467.	3.0	18
5	Reversal of ABCG2/BCRP-Mediated Multidrug Resistance by 5,3,5-Trihydroxy-3,6,7,4-Tetramethoxyflavone Isolated from the Australian Desert Plant <i>Eremophila galeata</i> Chinnock. <i>Biomolecules</i> , 2021, 11, 1534.	4.0	8
6	Population pharmacokinetic-pharmacodynamic modelling of liquid and controlled-release formulations of oxycodone in healthy volunteers. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 126, 263-276.	2.5	13
7	Potential of <i>Myrtus communis</i> Linn. as a bifunctional food: Dual high-resolution PTP1B and $\alpha$ -glucosidase inhibition profiling combined with HPLC-HRMS and NMR for identification of antidiabetic triterpenoids and phloroglucinol derivatives. <i>Journal of Functional Foods</i> , 2020, 64, 103623.	3.4	15
8	Antidiabetic xanthenes with $\alpha$ -glucosidase inhibitory activities from an endophytic <i>Penicillium canescens</i> . <i>Fä-toterap-Ä</i> , 2020, 142, 104522.	2.2	34
9	Structure Elucidation of Prenyl- and Geranyl-Substituted Coumarins in <i>Gerbera piloselloides</i> by NMR Spectroscopy, Electronic Circular Dichroism Calculations, and Single Crystal X-ray Crystallography. <i>Molecules</i> , 2020, 25, 1706.	3.8	12
10	2(5H)-Furanone sesquiterpenes from <i>Eremophila bignoniiflora</i> : High-resolution inhibition profiling and PTP1B inhibitory activity. <i>Phytochemistry</i> , 2019, 166, 112054.	2.9	23
11	Developing New 4-PIOL and 4-PHP Analogues for Photoinactivation of $\gamma$ -Aminobutyric Acid Type A Receptors. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4669-4684.	3.5	6
12	Simultaneous quantification of high-dose naloxone and naloxone-3- $d$ -glucuronide in human plasma by UHPLC-MS/MS. <i>Bioanalysis</i> , 2019, 11, 165-173.	1.5	4
13	High-dose naloxone, an experimental tool uncovering latent sensitisation: pharmacokinetics in humans. <i>British Journal of Anaesthesia</i> , 2019, 123, e204-e214.	3.4	10
14	Identification of $\alpha$ -Glucosidase Inhibitors in <i>Machilus litseifolia</i> by Combined Use of High-Resolution $\alpha$ -Glucosidase Inhibition Profiling and HPLC-PDA-HRMS-SPE-NMR. <i>Journal of Natural Products</i> , 2019, 82, 249-258.	3.0	23
15	Five-Membered $N$ -Heterocyclic Scaffolds as Novel Amino Bioisosteres at $\gamma$ -Aminobutyric Acid (GABA) Type A Receptors and GABA Transporters. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5797-5809.	6.4	20
16	19F-substituted amino acids as an alternative to fluorophore labels: monitoring of degradation and cellular uptake of analogues of penetratin by 19F NMR. <i>Journal of Biomolecular NMR</i> , 2019, 73, 167-182.	2.8	7
17	Antidiabetic constituents of <i>Dendrobium officinale</i> as determined by high-resolution profiling of radical scavenging and $\alpha$ -glucosidase and $\alpha$ -amylase inhibition combined with HPLC-PDA-HRMS-SPE-NMR analysis. <i>Phytochemistry Letters</i> , 2019, 31, 47-52.	1.2	23
18	Combined magnetic ligand fishing and high-resolution inhibition profiling for identification of $\alpha$ -glucosidase inhibitory ligands: A new screening approach based on complementary inhibition and affinity profiles. <i>Talanta</i> , 2019, 200, 279-287.	5.5	27

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19	Unraveling the complexity of complex mixtures by combining high-resolution pharmacological, analytical and spectroscopic techniques: antidiabetic constituents in Chinese medicinal plants. <i>Faraday Discussions</i> , 2019, 218, 202-218.	3.2	14
20	Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant <i>E. coli</i> and <i>K. pneumoniae</i> . <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 134-145.	5.5	19
21	Discovery of 2-(Imidazo[1,2- <i>b</i> ]pyridazin-2-yl)acetic Acid as a New Class of Ligands Selective for the $\beta$ -Hydroxybutyric Acid (GHB) High-Affinity Binding Sites. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2798-2813.	6.4	12
22	Quadruple high-resolution $\alpha$ -glucosidase/ $\alpha$ -amylase/PTP1B/radical scavenging profiling combined with high-performance liquid chromatography–high-resolution mass spectrometry–solid-phase extraction–nuclear magnetic resonance spectroscopy for identification of antidiabetic constituents in crude root bark of <i>Morus alba</i> L. <i>Journal of Chromatography A</i> , 2018, 1556, 55-63.	3.7	47
23	Brazilian insulin plant as a bifunctional food: Dual high-resolution PTP1B and $\alpha$ -glucosidase inhibition profiling combined with HPLC-HRMS-SPE-NMR for identification of antidiabetic compounds in <i>Myrcia rubella</i> Cambess. <i>Journal of Functional Foods</i> , 2018, 45, 444-451.	3.4	13
24	On the biosynthetic origin of carminic acid. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 96, 51-61.	2.7	12
25	Recreational drug use at a major music festival: trend analysis of anonymised pooled urine. <i>Clinical Toxicology</i> , 2018, 56, 245-255.	1.9	13
26	4-Hydroxy-1,2,3-triazole moiety as bioisostere of the carboxylic acid function: a novel scaffold to probe the orthosteric $\beta$ -aminobutyric acid receptor binding site. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 311-321.	5.5	27
27	High-Resolution PTP1B Inhibition Profiling Combined with HPLC-HRMS-SPE-NMR for Identification of PTP1B Inhibitors from <i>Miconia albicans</i> . <i>Molecules</i> , 2018, 23, 1755.	3.8	16
28	Heterologous production of the widely used natural food colorant carminic acid in <i>Aspergillus nidulans</i> . <i>Scientific Reports</i> , 2018, 8, 12853.	3.3	35
29	Advancing HPLC-PDA-HRMS-SPE-NMR Analysis of Coumarins in <i>Coleonema album</i> by Use of Orthogonal Reversed-Phase C18 and Pentafluorophenyl Separations. <i>Journal of Natural Products</i> , 2017, 80, 1020-1027.	3.0	27
30	Potential of <i>Polygonum cuspidatum</i> Root as an Antidiabetic Food: Dual High-Resolution $\alpha$ -Glucosidase and PTP1B Inhibition Profiling Combined with HPLC-HRMS and NMR for Identification of Antidiabetic Constituents. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4421-4427.	5.2	51
31	Molecular Hybridization of Potent and Selective $\beta$ -Hydroxybutyric Acid (GHB) Ligands: Design, Synthesis, Binding Studies, and Molecular Modeling of Novel 3-Hydroxycyclopent-1-enecarboxylic Acid (HOCPCA) and trans- $\beta$ -Hydroxycrotonic Acid (T-HCA) Analogs. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9022-9039.	6.4	21
32	Synthesis of $\alpha$ -Glucosylated Octaketide Anthraquinones in <i>Nicotiana benthamiana</i> by Using a Multispecies-Based Biosynthetic Pathway. <i>ChemBioChem</i> , 2017, 18, 1893-1897.	2.6	24
33	Characterization of a membrane-bound C-glucosyltransferase responsible for carminic acid biosynthesis in <i>Dactylopius coccus</i> Costa. <i>Nature Communications</i> , 2017, 8, 1987.	12.8	15
34	Characterization of Antileishmanial Compounds from <i>Lawsonia inermis</i> L. Leaves Using Semi-High Resolution Antileishmanial Profiling Combined with HPLC-HRMS-SPE-NMR. <i>Frontiers in Pharmacology</i> , 2017, 8, 337.	3.5	12
35	Expanding the Landscape of Diterpene Structural Diversity through Stereochemically Controlled Combinatorial Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2142-2146.	13.8	134
36	High-resolution PTP1B inhibition profiling combined with high-performance liquid chromatography–high-resolution mass spectrometry–solid-phase extraction–nuclear magnetic resonance spectroscopy: Proof-of-concept and antidiabetic constituents in crude extract of <i>Eremophila lucida</i> . <i>FA-journal of Food and Agriculture</i> , 2016, 110, 52-58.	2.2	50

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37	Edible seaweed as future functional food: Identification of $\alpha$ -glucosidase inhibitors by combined use of high-resolution $\alpha$ -glucosidase inhibition profiling and HPLC-HRMS-SPE-NMR. Food Chemistry, 2016, 203, 16-22.	8.2	77
38	Identification of PTP1B and $\alpha$ -Glucosidase Inhibitory Serrulatanes from <i>Eremophila</i> spp. by Combined use of Dual High-Resolution PTP1B and $\alpha$ -Glucosidase Inhibition Profiling and HPLC-HRMS-SPE-NMR. Journal of Natural Products, 2016, 79, 1063-1072.	3.0	54
39	Characterization of midazolam metabolism in locusts: the role of a CYP3A4-like enzyme in the formation of 1'-OH and 4-OH midazolam. Xenobiotica, 2016, 46, 99-107.	1.1	18
40	Dual High-Resolution $\alpha$ -Glucosidase and Radical Scavenging Profiling Combined with HPLC-HRMS-SPE-NMR for Identification of Minor and Major Constituents Directly from the Crude Extract of <i>Pueraria lobata</i> . Journal of Natural Products, 2015, 78, 294-300.	3.0	47
41	Combined Use of High-Resolution $\alpha$ -Glucosidase Inhibition Profiling and High-Performance Liquid Chromatography-High-Resolution Mass Spectrometry-Solid-Phase Extraction-Nuclear Magnetic Resonance Spectroscopy for Investigation of Antidiabetic Principles in Crude Plant Extracts. Journal of Agricultural and Food Chemistry, 2015, 63, 2257-2263.	5.2	49
42	Triple aldose reductase/ $\alpha$ -glucosidase/radical scavenging high-resolution profiling combined with high-performance liquid chromatography-high-resolution mass spectrometry-solid-phase extraction-nuclear magnetic resonance spectroscopy for identification of antidiabetic constituents in crude extract of <i>Radix Scutellariae</i> . Journal of Chromatography A, 2015, 1408, 125-132.	3.7	43
43	Fungal plasma membrane H <sup>+</sup> -ATPase inhibitory activity of o-hydroxybenzylated flavanones and chalcones from <i>Uvaria chamae</i> P. Beauv.. F $\ddot{A}$ -toterap $\ddot{A}$ - $\ddot{A}$ , 2015, 105, 102-106.	2.2	15
44	5 $\alpha$ -(Piperidin $\ddot{A}$ -4 $\ddot{A}$ -yl)- $\ddot{A}$ -3 $\ddot{A}$ -Hydroxypyrazole: A Novel Scaffold for Probing the Orthosteric $\beta$ -Aminobutyric Acid Type $\ddot{A}$ ...A Receptor Binding Site. ChemMedChem, 2014, 9, 2475-2485.	3.2	8
45	High-Resolution $\alpha$ -Amylase Assay Combined with High-Performance Liquid Chromatography-Solid-Phase Extraction-Nuclear Magnetic Resonance Spectroscopy for Expedited Identification of $\alpha$ -Amylase Inhibitors: Proof of Concept and $\alpha$ -Amylase Inhibitor in Cinnamon. Journal of Agricultural and Food Chemistry, 2014, 62, 11465-11471.	5.2	64
46	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.	3.5	21
47	High-Resolution Screening Combined with HPLC-HRMS-SPE-NMR for Identification of Fungal Plasma Membrane H <sup>+</sup> -ATPase Inhibitors from Plants. Journal of Agricultural and Food Chemistry, 2014, 62, 5595-5602.	5.2	28
48	Some transformations of tacrolimus, an immunosuppressive drug. European Journal of Pharmaceutical Sciences, 2013, 48, 514-522.	4.0	15
49	HPLC-NMR Revisited: Using Time-Slice High-Performance Liquid Chromatography-Solid-Phase Extraction-Nuclear Magnetic Resonance with Database-Assisted Dereplication. Analytical Chemistry, 2013, 85, 3183-3189.	6.5	31
50	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.	3.7	26
51	Direct <sup>13</sup> C NMR Detection in HPLC Hyphenation Mode: Analysis of <i>Ganoderma lucidum</i> Terpenoids. Journal of Natural Products, 2012, 75, 876-882.	3.0	31
52	From Retrospective Assessment to Prospective Decisions in Natural Product Isolation: HPLC-SPE-NMR Analysis of <i>Carthamus oxyacantha</i> . Journal of Natural Products, 2011, 74, 2454-2461.	3.0	42