Thomas H Hansen

List of Publications by Year
in descending order

27	2,310	430754 18	526166 27
papers	citations	h-index	g-index

28	28	28	3239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The phytochelatin transporters AtABCC1 and AtABCC2 mediate tolerance to cadmium and mercury. Plant Journal, 2012, 69, 278-288.	2.8	506
2	Elevated Nicotianamine Levels in Arabidopsis halleri Roots Play a Key Role in Zinc Hyperaccumulation. Plant Cell, 2012, 24, 708-723.	3.1	209
3	Rational design and synthesis of new quorum-sensing inhibitors derived from acylated homoserine lactones and natural products from garlic. Organic and Biomolecular Chemistry, 2005, 3, 253-262.	1.5	201
4	Silicon alleviates iron deficiency in cucumber by promoting mobilization of iron in the root apoplast. New Phytologist, 2013, 198, 1096-1107.	3.5	185
5	Bioâ€available zinc in rice seeds is increased by activation tagging of nicotianamine synthase. Plant Biotechnology Journal, 2011, 9, 865-873.	4.1	168
6	Simultaneous iron, zinc, sulfur and phosphorus speciation analysis of barley grain tissues using SEC-ICP-MS and IP-ICP-MS. Metallomics, 2009, 1, 418.	1.0	151
7	Megapixel imaging of (micro)nutrients in mature barley grains. Journal of Experimental Botany, 2011, 62, 273-282.	2.4	134
8	Micro-scaled high-throughput digestion of plant tissue samples for multi-elemental analysis. Plant Methods, 2009, 5, 12.	1.9	114
9	Extensive metabolic crossâ€talk in melon fruit revealed by spatial and developmental combinatorial metabolomics. New Phytologist, 2011, 190, 683-696.	3.5	111
10	Metabolomic and elemental profiling of melon fruit quality as affected by genotype and environment. Metabolomics, 2013, 9, 57-77.	1.4	74
11	Review: The role of atomic spectrometry in plant science. Journal of Analytical Atomic Spectrometry, 2011, 26, 52-79.	1.6	65
12	Mother-plant-mediated pumping of zinc into the developing seed. Nature Plants, 2016, 2, 16036.	4.7	62
13	Losses of essential mineral nutrients by polishing of rice differ among genotypes due to contrasting grain hardness and mineral distribution. Journal of Cereal Science, 2012, 56, 307-315.	1.8	59
14	Does intake of trace elements through urban gardening in Copenhagen pose a risk to human health?. Environmental Pollution, 2015, 202, 17-23.	3.7	59
15	Multi-elemental speciation analysis of barley genotypes differing in tolerance to cadmium toxicity using SEC-ICP-MS and ESI-TOF-MS. Journal of Analytical Atomic Spectrometry, 2006, 21, 996.	1.6	38
16	Comparative Metabolomics and Molecular Phylogenetics of Melon (Cucumis melo, Cucurbitaceae) Biodiversity. Metabolites, 2020, 10, 121.	1.3	35
17	Synthesis and Evaluation of Double-Prodrugs against HIV. Conjugation of D4T with 6-Benzyl-1-(ethoxymethyl)-5-isopropyluracil (MKC-442, Emivirine)-Type Reverse Transcriptase Inhibitors via the SATE Prodrug Approach. Journal of Medicinal Chemistry, 2005, 48, 1211-1220.	2.9	22
18	Unravelling the interactions between nano-hydroxyapatite and the roots of phosphorus deficient barley plants. Environmental Science: Nano, 2021, 8, 444-459.	2.2	19

#	Article	IF	Citations
19	Synthesis of New MKC-442 Analogues Containing Alkenyl Chains or Reactive Functionalities at C-5. Monatshefte FÃ¼r Chemie, 2002, 133, 1031-1043.	0.9	15
20	Synthesis of functionalized de novo designed 8â€“16 kDa model proteins towards metal ion-binding and esterase activity. Organic and Biomolecular Chemistry, 2007, 5, 2225-2233.	1.5	15
21	Potato glycoalkaloids in soil-optimising liquid chromatographyâ€“time-of-flight mass spectrometry for quantitative studies. Journal of Chromatography A, 2008, 1182, 65-71.	1.8	13
22	High Neonatal Blood Iron Content Is Associated with the Risk of Childhood Type 1 Diabetes Mellitus. Nutrients, 2017, 9, 1221.	1.7	13
23	Chemical characterization by gas chromatography-mass spectrometry and inductively coupled plasma-optical emission spectroscopy of membrane permeates from an industrial dairy ingredient production used as process water. Journal of Dairy Science, 2018, 101, 135-146.	1.4	11
24	Being two is better than oneâ€”catalytic reductions with dendrimer encapsulated copper- and copperâ€“cobalt-subnanoparticles. Chemical Communications, 2015, 51, 9957-9960.	2.2	10
25	Towards single-cell ionomics: a novel micro-scaled method for multi-element analysis of nanogram-sized biological samples. Plant Methods, 2020, 16, 31.	1.9	10
26	Low perinatal zinc status is not associated with the risk of type 1 diabetes in children. Pediatric Diabetes, 2017, 18, 637-642.	1.2	9
27	Expression, Receptor Binding, and Biophysical Characterization of Guinea Pig Insulin desB30: A Monomeric Insulin Variant. ChemBioChem, 2015, 16, 954-958.	1.3	2