

Kurt Gebruers

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9441062/kurt-gebruers-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

4,121
citations

35
h-index

62
g-index

94
ext. papers

4,435
ext. citations

4.6
avg, IF

4.63
L-index

#	Paper	IF	Citations
91	Introducing EIT Food: Connecting Businesses, Research Centers, Universities, and Consumers in Europe. <i>Cereal Foods World</i> , 2017 , 62, 290-291	2	1
90	Hydrophobin purification based on the theory of CO ₂ -nanobubbles. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016 , 39, 111-118	1.3	4
89	Recent Advances in Fungal Hydrophobin Towards Using in Industry. <i>Protein Journal</i> , 2015 , 34, 243-55	3.9	43
88	Effect of a magnetic field on dispersion of a hop extract and the influence on gushing of beer. <i>Journal of Food Engineering</i> , 2015 , 145, 10-18	6	5
87	Upgraded Model of Primary Gushing: From Nanobubble Formation until Liquid Expulsion. <i>Journal of the American Society of Brewing Chemists</i> , 2015 , 73, 343-346	1.9	7
86	Improvement of the retention of ocimene in water phase using Class II hydrophobin HFBII. <i>Flavour and Fragrance Journal</i> , 2015 , 30, 451-458	2.5	12
85	Biophysical characterisation of hydrophobin enriched foamate. <i>Cerevisia</i> , 2014 , 38, 129-134		10
84	A Curative Method for Primary Gushing of Beer and Carbonated Beverages: Characterization and Application of Antifoam Based on Hop Oils. <i>Journal of the American Society of Brewing Chemists</i> , 2014 ,	1.9	3
83	Fungal biofilm reactor improves the productivity of hydrophobin HFBII. <i>Biochemical Engineering Journal</i> , 2014 , 88, 171-178	4.2	29
82	Optimising the Content and Composition of Dietary Fibre in Wheat Grain for End-use Quality 2014 , 455-466		2
81	A novel method for hydrophobin extraction using CO ₂ foam fractionation system. <i>Industrial Crops and Products</i> , 2013 , 43, 372-377	5.9	33
80	Effect of the mashing process on the performance of a lipophilic hop extract to reduce the primary gushing of beer. <i>Cerevisia</i> , 2013 , 38, 71-76		5
79	Natural variation in grain composition of wheat and related cereals. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8295-303	5.7	105
78	Contents of dietary fibre components and their relation to associated bioactive components in whole grain wheat samples from the HEALTHGRAIN diversity screen. <i>Food Chemistry</i> , 2013 , 136, 1243-8	8.5	80
77	Thermodynamic View of Primary Gushing. <i>Journal of the American Society of Brewing Chemists</i> , 2013 , 71, 149-152	1.9	7
76	Variability in Arabinoxylan, Xylanase Activity, and Xylanase Inhibitor Levels in Hard Spring Wheat. <i>Cereal Chemistry</i> , 2013 , 90, 240-248	2.4	9
75	Combined Modeling and Biophysical Characterisation of CO ₂ Interaction with Class II Hydrophobins: New Insight into the Mechanism Underpinning Primary Gushing. <i>Journal of the American Society of Brewing Chemists</i> , 2012 , 70, 249-256	1.9	22

74	Hydrophobins, beer foaming and gushing. <i>Cerevisia</i> , 2011 , 35, 85-101		41
73	Dynamic Light Scattering (DLS) as a Tool to Detect CO ₂ -Hydrophobin Structures and Study the Primary Gushing Potential of Beer. <i>Journal of the American Society of Brewing Chemists</i> , 2011 , 69, 144-149	1.9	22
72	Combined meta-genomics analyses unravel candidate genes for the grain dietary fiber content in bread wheat (<i>Triticum aestivum</i> L.). <i>Functional and Integrative Genomics</i> , 2011 , 11, 71-83	3.8	57
71	Relationship between the contents of bioactive components in grain and the release dates of wheat lines in the HEALTHGRAIN diversity screen. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 928-33	5.7	22
70	Variability in xylanase and xylanase inhibition activities in different cereals in the HEALTHGRAIN diversity screen and contribution of environment and genotype to this variability in common wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 9362-71	5.7	36
69	Effects of genotype and environment on the content and composition of phytochemicals and dietary fiber components in rye in the HEALTHGRAIN diversity screen. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 9372-83	5.7	56
68	Accumulated Evidence Substantiates a Role for Three Classes of Wheat Xylanase Inhibitors in Plant Defense. <i>Critical Reviews in Plant Sciences</i> , 2010 , 29, 244-264	5.6	36
67	Environment and genotype effects on the content of dietary fiber and its components in wheat in the HEALTHGRAIN diversity screen. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 9353-61	5.7	62
66	Influence of germination time and temperature on the properties of rye malt and rye malt based worts. <i>Journal of Cereal Science</i> , 2010 , 52, 72-79	3.8	17
65	Functional xylanase inhibition activity of two molecular forms of recombinant TAXI-IA. <i>Journal of Cereal Science</i> , 2010 , 52, 516-519	3.8	1
64	Post-translational processing of beta-d-xylanases and changes in extractability of arabinoxylans during wheat germination. <i>Plant Physiology and Biochemistry</i> , 2010 , 48, 90-7	5.4	27
63	2-D DIGE reveals changes in wheat xylanase inhibitor protein families due to <i>Fusarium graminearum</i> DeltaTri5 infection and grain development. <i>Proteomics</i> , 2010 , 10, 2303-19	4.8	27
62	Crystal structure of the noncompetitive xylanase inhibitor TLXI, member of the small thaumatin-like protein family. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010 , 78, 2391-4	4.2	10
61	Characterization of Kafirins in Algerian Sorghum Cultivars. <i>Cereal Chemistry</i> , 2009 , 86, 487-491	2.4	10
60	Identification of structural determinants for inhibition strength and specificity of wheat xylanase inhibitors TAXI-IA and TAXI-IIA. <i>FEBS Journal</i> , 2009 , 276, 3916-27	5.7	25
59	A quantitative portrait of three xylanase inhibiting protein families in different wheat cultivars using 2D-DIGE and multivariate statistical tools. <i>Journal of Proteomics</i> , 2009 , 72, 484-500	3.9	14
58	Xylanase XYL1p from <i>Scytalidium acidophilum</i> : site-directed mutagenesis and acidophilic adaptation. <i>Bioresource Technology</i> , 2009 , 100, 6465-71	11	18
57	Algerian pearl millet (<i>Pennisetum glaucum</i> L.) contains XIP but not TAXI and TLXI type xylanase inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 5542-8	5.7	3

56	Immunoblot quantification of three classes of proteinaceous xylanase inhibitors in different wheat (<i>Triticum aestivum</i>) cultivars and milling fractions. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 1029-35	5.7	16
55	Grain-associated xylanases: occurrence, variability, and implications for cereal processing. <i>Trends in Food Science and Technology</i> , 2009 , 20, 495-510	15.3	63
54	The three classes of wheat xylanase-inhibiting proteins accumulate in an analogous way during wheat ear development and germination. <i>Journal of Plant Physiology</i> , 2009 , 166, 1253-1262	3.6	16
53	Biochemical and structural characterization of TLXI, the <i>Triticum aestivum</i> L. thaumatin-like xylanase inhibitor. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 646-54	5.6	33
52	His22 of TLXI plays a critical role in the inhibition of glycoside hydrolase family 11 xylanases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 38-46	5.6	7
51	QUANTIFICATION OF ARABINOXYLANS AND THEIR DEGREE OF BRANCHING USING GAS CHROMATOGRAPHY 2009 , 177-189		6
50	COMBINING BIOACTIVE COMPONENTS WITH CONVENTIONAL TARGETS IN PLANT BREEDING PROGRAMMES 2009 , 263-272		
49	Effects of genotype, harvest year and genotype-by-harvest year interactions on arabinoxylan, endoxylanase activity and endoxylanase inhibitor levels in wheat kernels. <i>Journal of Cereal Science</i> , 2008 , 47, 180-189	3.8	67
48	Effects of fungicide treatment, N-fertilisation and harvest date on arabinoxylan, endoxylanase activity and endoxylanase inhibitor levels in wheat kernels. <i>Journal of Cereal Science</i> , 2008 , 47, 190-200	3.8	17
47	Sorghum (<i>Sorghum bicolor</i> L. Moench) contains a XIP-type xylanase inhibitor but none of the TAXI- and TLXI-types. <i>Journal of Cereal Science</i> , 2008 , 48, 203-212	3.8	7
46	Phytochemical and fiber components in oat varieties in the HEALTHGRAIN Diversity Screen. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9777-84	5.7	126
45	Phytochemical and dietary fiber components in barley varieties in the HEALTHGRAIN Diversity Screen. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9767-76	5.7	144
44	Phytochemicals and dietary fiber components in rye varieties in the HEALTHGRAIN Diversity Screen. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9758-66	5.7	134
43	Variation in the content of dietary fiber and components thereof in wheats in the HEALTHGRAIN Diversity Screen. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9740-9	5.7	183
42	Contribution of wheat endogenous and wheat kernel associated microbial endoxylanases to changes in the arabinoxylan population during breadmaking. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 2246-53	5.7	25
41	Xylanase inhibitors bind to nonstarch polysaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 564-70	5.7	24
40	Quantification of Wheat TAXI and XIP Type Xylanase Inhibitors: A Comparison of Analytical Techniques. <i>Cereal Chemistry</i> , 2008 , 85, 586-590	2.4	3
39	Variability of polymorphic families of three types of xylanase inhibitors in the wheat grain proteome. <i>Proteomics</i> , 2008 , 8, 1692-705	4.8	20

38	Impact of parboiling conditions on Maillard precursors and indicators in long-grain rice cultivars. <i>Food Chemistry</i> , 2008 , 110, 916-22	8.5	59
37	The HEALTHGRAIN Cereal Diversity Screen: concept, results, and prospects. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9699-709	5.7	191
36	Wheat Flour Associated Xylanases Affect the AX Population in Dough 2008 , 33-36		
35	Indirect enzyme-antibody sandwich enzyme-linked immunosorbent assay for quantification of TAXI and XIP type xylanase inhibitors in wheat and other cereals. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7682-8	5.7	7
34	Impact of wheat flour-associated endoxylanases on arabinoxylan in dough after mixing and resting. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7149-55	5.7	28
33	TLXI, a novel type of xylanase inhibitor from wheat (<i>Triticum aestivum</i>) belonging to the thaumatin family. <i>Biochemical Journal</i> , 2007 , 403, 583-91	3.8	112
32	Unprocessed barley aleurone endo-beta-1,4-xylanase X-I is an active enzyme. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 356, 799-804	3.4	27
31	Antibodies against wheat xylanase inhibitors as tools for the selective identification of their homologues in other cereals. <i>Journal of Cereal Science</i> , 2006 , 44, 59-67	3.8	19
30	Insight into variability of apparent endoxylanase and endoxylanase inhibitor levels in wheat kernels. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1610-1617	4.3	28
29	Wheat-kernel-associated endoxylanases consist of a majority of microbial and a minority of wheat endogenous endoxylanases. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 4028-34	5.7	41
28	Insight into the distribution of arabinoxylans, endoxylanases, and endoxylanase inhibitors in industrial wheat roller mill streams. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8521-9	5.7	50
27	Evidence for the involvement of arabinoxylan and xylanases in refrigerated dough syruing. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 7623-9	5.7	35
26	Molecular identification of wheat endoxylanase inhibitor TAXI-II and the determinants of its inhibition specificity. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 512-22	3.4	21
25	Wheat flour constituents: how they impact bread quality, and how to impact their functionality. <i>Trends in Food Science and Technology</i> , 2005 , 16, 12-30	15.3	603
24	The bread-making functionalities of two <i>Aspergillus niger</i> endoxylanases are strongly dictated by their inhibitor sensitivities. <i>Enzyme and Microbial Technology</i> , 2005 , 36, 417-425	3.8	20
23	His374 of wheat endoxylanase inhibitor TAXI-I stabilizes complex formation with glycoside hydrolase family 11 endoxylanases. <i>FEBS Journal</i> , 2005 , 272, 5872-82	5.7	28
22	Variation in the levels of the different xylanase inhibitors in grain and flour of 20 French wheat cultivars. <i>Journal of Cereal Science</i> , 2005 , 41, 375-379	3.8	33
21	Purification and characterization of a XIP-type endoxylanase inhibitor from rice (<i>Oryza sativa</i>). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005 , 20, 95-101	5.6	32

20	Structural basis for inhibition of <i>Aspergillus niger</i> xylanase by <i>triticum aestivum</i> xylanase inhibitor-I. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36022-8	5.4	102
19	Debranning of wheat prior to milling reduces xylanase but not xylanase inhibitor activities in wholemeal and flour. <i>Journal of Cereal Science</i> , 2004 , 39, 363-369	3.8	41
18	Crystallization and preliminary X-ray diffraction study of two complexes of a TAXI-type xylanase inhibitor with glycoside hydrolase family 11 xylanases from <i>Aspergillus niger</i> and <i>Bacillus subtilis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 555-7		10
17	Functional importance of Asp37 from a family 11 xylanase in the binding to two proteinaceous xylanase inhibitors from wheat. <i>FEMS Microbiology Letters</i> , 2004 , 239, 9-15	2.9	19
16	Occurrence of proteinaceous endoxylanase inhibitors in cereals. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1696, 193-202	4	68
15	Potential physiological role of plant glycosidase inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1696, 265-74	4	61
14	Properties of TAXI-type endoxylanase inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1696, 213-21	4	96
13	High-level expression, purification, and characterization of recombinant wheat xylanase inhibitor TAXI-I secreted by the yeast <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2004 , 37, 39-46	2	24
12	XIP-type endoxylanase inhibitors in different cereals. <i>Journal of Cereal Science</i> , 2003 , 38, 317-324	3.8	36
11	Crystallization and preliminary X-ray diffraction study of a wheat (<i>Triticum aestivum</i> L.) TAXI-type endoxylanase inhibitor. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 744-6		2
10	TAXI type endoxylanase inhibitors in different cereals. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 3770-5	5.7	32
9	Molecular identification of wheat endoxylanase inhibitor TAXI-I1, member of a new class of plant proteins. <i>FEBS Letters</i> , 2003 , 540, 259-63	3.8	40
8	A family 11 xylanase from <i>Penicillium funiculosum</i> is strongly inhibited by three wheat xylanase inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002 , 1598, 24-9	4	37
7	A Family of TAXI-like Endoxylanase Inhibitors in Rye. <i>Journal of Cereal Science</i> , 2002 , 36, 177-185	3.8	22
6	Affinity Chromatography with Immobilised Endoxylanases Separates TAXI- and XIP-type Endoxylanase Inhibitors from Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Cereal Science</i> , 2002 , 36, 367-375	3.8	47
5	Endoxylanase Inhibition Activity in Different European Wheat Cultivars and Milling Fractions. <i>Cereal Chemistry</i> , 2002 , 79, 613-616	2.4	31
4	Purification of TAXI-like endoxylanase inhibitors from wheat (<i>Triticum aestivum</i> L.) whole meal reveals a family of iso-forms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002 , 17, 61-8	5.6	26
3	<i>Triticum aestivum</i> L. endoxylanase inhibitor (TAXI) consists of two inhibitors, TAXI I and TAXI II, with different specificities. <i>Biochemical Journal</i> , 2001 , 353, 239-44	3.8	66

2	Triticum aestivum L. endoxylanase inhibitor (TAXI) consists of two inhibitors, TAXI I and TAXI II, with different specificities. <i>Biochemical Journal</i> , 2001 , 353, 239-244	3.8	106
1	Purification and Partial Characterization of an Endoxylanase Inhibitor from Barley. <i>Cereal Chemistry</i> , 2001 , 78, 453-457	2.4	38