Peter Kamp Busk

List of Publications by Year
in descending order

60 papers	4,943 citations	172207 29 h-index	143772 57 g-index
62 all docs	62 docs citations	62 times ranked	7000 citing authors

#	Article	IF	Citations
1	Ionozyme: ionic liquids as solvent and stabilizer for efficient bioactivation of CO₂. Green Chemistry, 2021, 23, 6990-7000.	4.6	13
2	Assessment of the National Test Strategy on the Development of the COVID-19 Pandemic in Denmark. Epidemiologia, 2021, 2, 540-552.	1.1	5
3	Advances in bio-nylon 5X: discovery of new lysine decarboxylases for the high-level production of cadaverine. Green Chemistry, 2020, 22, 8656-8668.	4.6	29
4	Novel keratinolytic enzymes, discovered from a talented and efficient bacterial keratin degrader. Scientific Reports, 2020, 10, 10033.	1.6	16
5	Accurate, automatic annotation of peptidases with hotpep-protease. Green Chemical Engineering, 2020, 1, 124-130.	3.3	3
6	Origin of fungal biomass degrading enzymes: Evolution, diversity and function of enzymes of early lineage fungi. Fungal Biology Reviews, 2019, 33, 82-97.	1.9	36
7	Enzyme Activities at Different Stages of Plant Biomass Decomposition in Three Species of Fungus-Growing Termites. Applied and Environmental Microbiology, 2018, 84, .	1.4	31
8	dbCAN2: a meta server for automated carbohydrate-active enzyme annotation. Nucleic Acids Research, 2018, 46, W95-W101.	6.5	1,641
9	Structure, computational and biochemical analysis of PcCel45A endoglucanase from Phanerochaete chrysosporium and catalytic mechanisms of GH45 subfamily C members. Scientific Reports, 2018, 8, 3678.	1.6	14
10	Loop Protein Engineering for Improved Transglycosylation Activity of a Î²â€<i>N</i>â€Acetylhexosaminidase. ChemBioChem, 2018, 19, 1858-1865.	1.3	28
11	Homology to peptide pattern for annotation of carbohydrate-active enzymes and prediction of function. BMC Bioinformatics, 2017, 18, 214.	1.2	122
12	Diversity of microbial carbohydrate-active enzymes in Danish anaerobic digesters fed with wastewater treatment sludge. Biotechnology for Biofuels, 2017, 10, 158.	6.2	35
13	A New Functional Classification of Glucuronoyl Esterases by Peptide Pattern Recognition. Frontiers in Microbiology, 2017, 08, 309.	1.5	22
14	Aspergillus hancockii sp. nov., a biosynthetically talented fungus endemic to southeastern Australian soils. PLoS ONE, 2017, 12, e0170254.	1.1	35
15	Characterization of a new <i>sn</i>â€1,3â€regioselective triacylglycerol lipase from <i>Malbranchea cinnamomea</i>. Biotechnology and Applied Biochemistry, 2016, 63, 471-478.	1.4	11
16	Highâ€throughput microarray mapping of cell wall polymers in roots and tubers during the viscosityâ€reducing process. Biotechnology and Applied Biochemistry, 2016, 63, 178-189.	1.4	3
17	Microbial decomposition of keratin in natureâ€"a new hypothesis of industrial relevance. Applied Microbiology and Biotechnology, 2016, 100, 2083-2096.	1.7	191
18	Acidicâ€"alkaline ferulic acid esterase from Chaetomium thermophilum var. dissitum: Molecular cloning and characterization of recombinant enzyme expressed in Pichia pastoris. Biocatalysis and Agricultural Biotechnology, 2016, 5, 48-55.	1.5	4

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19	New insights into the molecular mechanism of methanol-induced inactivation of<i>Thermomyces lanuginosus</i>lipase: a molecular dynamics simulation study. Molecular Simulation, 2016, 42, 434-445.	0.9	17
20	Wet-lab Tested MicroRNA Assays for qPCR Studies with SYBR^{Â®} Green and DNA Primers in Pig Tissues. MicroRNA (Shariqah, United Arab Emirates), 2015, 3, 174-188.	0.6	10
21	Hydrolysis of Wheat Arabinoxylan by Two Acetyl Xylan Esterases from Chaetomium thermophilum. Applied Biochemistry and Biotechnology, 2015, 175, 1139-1152.	1.4	8
22	Cellulose and hemicellulose-degrading enzymes in Fusarium commune transcriptome and functional characterization of three identified xylanases. Enzyme and Microbial Technology, 2015, 73-74, 9-19.	1.6	22
23	Genome and secretome analyses provide insights into keratin decomposition by novel proteases from the non-pathogenic fungus Onygena corvina. Applied Microbiology and Biotechnology, 2015, 99, 9635-9649.	1.7	52
24	Classification of fungal and bacterial lytic polysaccharide monooxygenases. BMC Genomics, 2015, 16, 368.	1.2	84
25	Quantification of miRNAs by a Simple and Specific qPCR Method. Methods in Molecular Biology, 2014, 1182, 73-81.	0.4	26
26	A tool for design of primers for microRNA-specific quantitative RT-qPCR. BMC Bioinformatics, 2014, 15, 29.	1.2	201
27	Identification of a Î²-glucosidase from the Mucor circinelloides genome by peptide pattern recognition. Enzyme and Microbial Technology, 2014, 67, 47-52.	1.6	30
28	Several Genes Encoding Enzymes with the Same Activity Are Necessary for Aerobic Fungal Degradation of Cellulose in Nature. PLoS ONE, 2014, 9, e114138.	1.1	37
29	Cellulolytic potential of thermophilic species from four fungal orders. AMB Express, 2013, 3, 47.	1.4	54
30	Function-Based Classification of Carbohydrate-Active Enzymes by Recognition of Short, Conserved Peptide Motifs. Applied and Environmental Microbiology, 2013, 79, 3380-3391.	1.4	65
31	The importance of fungi and of mycology for a global development of the bioeconomy. IMA Fungus, 2012, 3, 87-92.	1.7	36
32	MicroRNA Expression Profiling of the Porcine Developing Brain. PLoS ONE, 2011, 6, e14494.	1.1	52
33	MicroRNA Expression Profiles Associated with Development of Drug Resistance in Ehrlich Ascites Tumor Cells. Molecular Pharmaceutics, 2011, 8, 2055-2062.	2.3	35
34	Specific and sensitive quantitative RT-PCR of miRNAs with DNA primers. BMC Biotechnology, 2011, 11, 70.	1.7	232
35	MicroRNA profiling in early hypertrophic growth of the left ventricle in rats. Biochemical and Biophysical Research Communications, 2010, 396, 989-993.	1.0	55
36	Expression profiles of miRNA-122 and its target CAT1 in minipigs (Sus scrofa) fed a high-cholesterol diet. Comparative Medicine, 2010, 60, 136-41.	0.4	29

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37	Phosphorylation of pRb by cyclin D kinase is necessary for development of cardiac hypertrophy. Cell Proliferation, 2008, 41, 813-829.	2.4	26
38	Different regulation of p27 and Akt during cardiomyocyte proliferation and hypertrophy. Growth Factors, 2007, 25, 132-140.	0.5	13
39	Increased natriuretic peptide receptor A and C gene expression in rats with pressure-overload cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1635-H1641.	1.5	20
40	Isolation and Functional Characterisation of Two New bZIP Maize Regulators of the ABA Responsive Gene rab28. Plant Molecular Biology, 2005, 58, 899-914.	2.0	66
41	Cassava Plants with a Depleted Cyanogenic Glucoside Content in Leaves and Tubers. Distribution of Cyanogenic Glucosides, Their Site of Synthesis and Transport, and Blockage of the Biosynthesis by RNA Interference Technology. Plant Physiology, 2005, 139, 363-374.	2.3	232
42	Cyclin D2 induces proliferation of cardiac myocytes and represses hypertrophy. Experimental Cell Research, 2005, 304, 149-161.	1.2	56
43	Multiprotein bridging factor 1 cooperates with c-jun and is necessary for cardiac hypertrophy in vitro. Experimental Cell Research, 2003, 286, 102-114.	1.2	29
44	Cyclin D in Left Ventricle Hypertrophy. Cell Cycle, 2003, 2, 90-94.	1.3	22
45	318 Activation of E2F transcription factors in cardiac hypertrophy. European Journal of Heart Failure, Supplement, 2003, 2, 58.	0.2	0
46	Cyclin D in left ventricle hypertrophy. Cell Cycle, 2003, 2, 91-5.	1.3	14
47	Dhurrin Synthesis in Sorghum Is Regulated at the Transcriptional Level and Induced by Nitrogen Fertilization in Older Plants. Plant Physiology, 2002, 129, 1222-1231.	2.3	150
48	Involvement of cyclin D activity in left ventricle hypertrophy in vivo and in vitro. Cardiovascular Research, 2002, 56, 64-75.	1.8	74
49	In vivo footprinting of plant tissues. Plant Molecular Biology Reporter, 2002, 20, 287-297.	1.0	6
50	Cytochromes P-450 from Cassava (Manihot esculentaCrantz) Catalyzing the First Steps in the Biosynthesis of the Cyanogenic Glucosides Linamarin and Lotaustralin. Journal of Biological Chemistry, 2000, 275, 1966-1975.	1.6	177
51	Constitutive protein-DNA interactions on the abscisic acid-responsive element before and after developmental activation of the rab28 gene. Plant Molecular Biology, 1999, 41, 529-536.	2.0	18
52	Abscisic acid perception and transduction. New Comprehensive Biochemistry, 1999, , 491-512.	0.1	4
53	Regulation of abscisic acid-induced transcription. , 1998, 37, 425-435.		425
54	The bifactorial endosperm box of gamma-zein gene: characterisation and function of the Pb3 and GZM cis-acting elements. Plant Journal, 1998, 16, 41-52.	2.8	49

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55	Protein Binding to the Abscisic Acid-Responsive Element Is Independent of VIVIPAROUS1 in vivo. Plant Cell, 1997, 9, 2261.	3.1	5
56	Microextraction of Nuclear Proteins from Single Maize Embryos. Plant Molecular Biology Reporter, 1997, 15, 371-376.	1.0	22
57	Regulatory elements in vivo in the promoter of the abscisic acid responsive gene rab17 from maize. Plant Journal, 1997, 11, 1285-1295.	2.8	133
58	Drought signal transduction in plants. Plant Growth Regulation, 1996, 20, 105-110.	1.8	32
59	Drought signal transduction in plants. , 1996, , 27-32.		7
60	Production, purification and characterization of the catalytic domain of glucoamylase from Aspergillus niger. Biochemical Journal, 1993, 292, 197-202.	1.7	78