Peter Kamp Busk

List of Publications by Year
in descending order

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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	dbCAN2: a meta server for automated carbohydrate-active enzyme annotation. Nucleic Acids Research, 2018, 46, W95-W101.	6.5	1,641
2	Regulation of abscisic acid-induced transcription. , 1998, 37, 425-435.		425
3	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
4	Specific and sensitive quantitative RT-PCR of miRNAs with DNA primers. BMC Biotechnology, 2011, 11, 70.	1.7	232
5	A tool for design of primers for microRNA-specific quantitative RT-qPCR. BMC Bioinformatics, 2014, 15, 29.	1.2	201
6	Microbial decomposition of keratin in natureâ€"a new hypothesis of industrial relevance. Applied Microbiology and Biotechnology, 2016, 100, 2083-2096.	1.7	191
7	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
8	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
9	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
10	Homology to peptide pattern for annotation of carbohydrate-active enzymes and prediction of function. BMC Bioinformatics, 2017, 18, 214.	1.2	122
11	Classification of fungal and bacterial lytic polysaccharide monooxygenases. BMC Genomics, 2015, 16, 368.	1.2	84
12	Production, purification and characterization of the catalytic domain of glucoamylase from Aspergillus niger. Biochemical Journal, 1993, 292, 197-202.	1.7	78
13	Involvement of cyclin D activity in left ventricle hypertrophy in vivo and in vitro. Cardiovascular Research, 2002, 56, 64-75.	1.8	74
14	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
15	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
16	Cyclin D2 induces proliferation of cardiac myocytes and represses hypertrophy. Experimental Cell Research, 2005, 304, 149-161.	1.2	56
17	MicroRNA profiling in early hypertrophic growth of the left ventricle in rats. Biochemical and Biophysical Research Communications, 2010, 396, 989-993.	1.0	55
18	Cellulolytic potential of thermophilic species from four fungal orders. AMB Express, 2013, 3, 47.	1.4	54

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19	MicroRNA Expression Profiling of the Porcine Developing Brain. PLoS ONE, 2011, 6, e14494.	1.1	52
20	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
21	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
22	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
23	The importance of fungi and of mycology for a global development of the bioeconomy. IMA Fungus, 2012, 3, 87-92.	1.7	36
24	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
25	MicroRNA Expression Profiles Associated with Development of Drug Resistance in Ehrlich Ascites Tumor Cells. Molecular Pharmaceutics, 2011, 8, 2055-2062.	2.3	35
26	Diversity of microbial carbohydrate-active enzymes in Danish anaerobic digesters fed with wastewater treatment sludge. Biotechnology for Biofuels, 2017, 10, 158.	6.2	35
27	Aspergillus hancockii sp. nov., a biosynthetically talented fungus endemic to southeastern Australian soils. PLoS ONE, 2017, 12, e0170254.	1.1	35
28	Drought signal transduction in plants. Plant Growth Regulation, 1996, 20, 105-110.	1.8	32
29	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
30	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
31	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
32	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
33	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
34	Loop Protein Engineering for Improved Transglycosylation Activity of a Î²â€Nâ€Acetylhexosaminidase. ChemBioChem, 2018, 19, 1858-1865.	1.3	28
35	Phosphorylation of pRb by cyclin D kinase is necessary for development of cardiac hypertrophy. Cell Proliferation, 2008, 41, 813-829.	2.4	26
36	Quantification of miRNAs by a Simple and Specific qPCR Method. Methods in Molecular Biology, 2014, 1182, 73-81.	0.4	26

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37	Microextraction of Nuclear Proteins from Single Maize Embryos. Plant Molecular Biology Reporter, 1997, 15, 371-376.	1.0	22
38	Cyclin D in Left Ventricle Hypertrophy. Cell Cycle, 2003, 2, 90-94.	1.3	22
39	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
40	A New Functional Classification of Glucuronoyl Esterases by Peptide Pattern Recognition. Frontiers in Microbiology, 2017, 08, 309.	1.5	22
41	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
42	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
43	New insights into the molecular mechanism of methanol-induced inactivation ofThermomyces lanuginosuslipase: a molecular dynamics simulation study. Molecular Simulation, 2016, 42, 434-445.	0.9	17
44	Novel keratinolytic enzymes, discovered from a talented and efficient bacterial keratin degrader. Scientific Reports, 2020, 10, 10033.	1.6	16
45	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
46	Cyclin D in left ventricle hypertrophy. Cell Cycle, 2003, 2, 91-5.	1.3	14
47	Different regulation of p27 and Akt during cardiomyocyte proliferation and hypertrophy. Growth Factors, 2007, 25, 132-140.	0.5	13
48	Ionozyme: ionic liquids as solvent and stabilizer for efficient bioactivation of CO₂. Green Chemistry, 2021, 23, 6990-7000.	4.6	13
49	Characterization of a new snâ€1,3â€regioselective triacylglycerol lipase from Malbranchea cinnamomea. Biotechnology and Applied Biochemistry, 2016, 63, 471-478.	1.4	11
50	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
51	Hydrolysis of Wheat Arabinoxylan by Two Acetyl Xylan Esterases from Chaetomium thermophilum. Applied Biochemistry and Biotechnology, 2015, 175, 1139-1152.	1.4	8
52	Drought signal transduction in plants. , 1996, , 27-32.		7
53	In vivo footprinting of plant tissues. Plant Molecular Biology Reporter, 2002, 20, 287-297.	1.0	6
54	Protein Binding to the Abscisic Acid-Responsive Element Is Independent of VIVIPAROUS1 in vivo. Plant Cell, 1997, 9, 2261.	3.1	5

#	Article	IF	Citations
55	Assessment of the National Test Strategy on the Development of the COVID-19 Pandemic in Denmark. Epidemiologia, 2021, 2, 540-552.	1.1	5
56	Abscisic acid perception and transduction. New Comprehensive Biochemistry, 1999, , 491-512.	0.1	4
57	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
58	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
59	Accurate, automatic annotation of peptidases with hotpep-protease. Green Chemical Engineering, 2020, 1, 124-130.	3.3	3
60	318 Activation of E2F transcription factors in cardiac hypertrophy. European Journal of Heart Failure, Supplement, 2003, 2, 58.	0.2	0