Lambertus A M Van Den Broek

List of Publications by Year
in descending order

76	3,732	136740	133063
papers	citations	32 h-index	59 g-index

80	80	80	4641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of growth conditions on the efficiency of cell disruption of Neochloris oleoabundans. Bioresource Technology, 2020, 300, 122699.	4.8	8
2	Chemoenzymatic Synthesis of New Aromatic Esters of Mono- and Oligosaccharides. Processes, 2020, 8, 1638.	1.3	9
3	Selective fractionation of free glucose and starch from microalgae using aqueous two-phase systems. Algal Research, 2020, 46, 101801.	2.4	29
4	Effect of removal of bacteria on the biomass and extracellular carbohydrate productivity of Botryococcus braunii. Journal of Applied Phycology, 2019, 31, 3453-3463.	1.5	9
5	Water-soluble chitosan derivatives and pH-responsive hydrogels by selective C-6 oxidation mediated by TEMPO-laccase redox system. Carbohydrate Polymers, 2018, 186, 299-309.	5.1	101
6	Chitinase Chi1 from Myceliophthora thermophila C1, a Thermostable Enzyme for Chitin and Chitosan Depolymerization. Journal of Agricultural and Food Chemistry, 2018, 66, 1658-1669.	2.4	54
7	Î²-N-Acetylglucosaminidase MthNAG from Myceliophthora thermophila C1, a thermostable enzyme for production of N-acetylglucosamine from chitin. Applied Microbiology and Biotechnology, 2018, 102, 7441-7454.	1.7	15
8	Techno-Functional Properties of Crude Extracts from the Green Microalga Tetraselmis suecica. Journal of Agricultural and Food Chemistry, 2018, 66, 7831-7838.	2.4	22
9	Microalgae as Renewable Raw Material for Bioproducts. , 2018, , 39-68.		1
10	MAB2.0 project: Integrating algae production into wastewater treatment. The EuroBiotech Journal, 2018, 2, 10-23.	0.5	10
11	The effect of meâ€substituents of 1,4â€butanediol analogues on the thermal properties of biobased polyesters. Journal of Polymer Science Part A, 2018, 56, 1903-1906.	2.5	9
12	Nitrogen-to-Protein Conversion Factors for Three Edible Insects: Tenebrio molitor, Alphitobius diaperinus, and Hermetia illucens. Journal of Agricultural and Food Chemistry, 2017, 65, 2275-2278.	2.4	442
13	Energy consumption and water-soluble protein release by cell wall disruption of Nannochloropsis gaditana. Bioresource Technology, 2017, 239, 204-210.	4.8	86
14	Green compressed fluid technologies for downstream processing of Scenedesmus obliquus in a biorefinery approach. Algal Research, 2017, 24, 111-121.	2.4	71
15	Botryococcus braunii strains compared for biomass productivity, hydrocarbon and carbohydrate content. Journal of Biotechnology, 2017, 248, 77-86.	1.9	50
16	Biorefinery of microalgal soluble proteins by sequential processing and membrane filtration. Bioresource Technology, 2017, 225, 151-158.	4.8	84
17	Polysaccharides in Human Health Care. Natural Product Communications, 2017, 12, 1934578X1701200.	0.2	12
18	Lipase-catalyzed synthesis of oligoesters of 2,5-furandicarboxylic acid with aliphatic diols. Pure and Applied Chemistry, 2015, 87, 59-69.	0.9	34

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19	Downstream processing of Isochrysis galbana: a step towards microalgal biorefinery. Green Chemistry, 2015, 17, 4599-4609.	4.6	140
20	Chitosan films and blends for packaging material. Carbohydrate Polymers, 2015, 116, 237-242.	5.1	346
21	Cationic polymers for successful flocculation of marine microalgae. Bioresource Technology, 2014, 169, 804-807.	4.8	52
22	Production methods for heparosan, a precursor of heparin and heparan sulfate. Carbohydrate Polymers, 2013, 93, 38-47.	5.1	29
23	Enzymatic synthesis of oligo- and polysaccharide fatty acid esters. Carbohydrate Polymers, 2013, 93, 65-72.	5.1	46
24	Computer-aided solvent screening for biocatalysis. Journal of Molecular Catalysis B: Enzymatic, 2013, 85-86, 200-213.	1.8	24
25	Production Methods for Hyaluronan. International Journal of Carbohydrate Chemistry, 2013, 2013, 1-14.	1.5	130
26	Chitin and Chitosan as Functional Biopolymers for Industrial Applications. , 2012, , 329-373.		22
27	Biocatalytic acylation of sugar alcohols by 3-(4-hydroxyphenyl)propionic acid. Process Biochemistry, 2012, 47, 1894-1902.	1.8	18
28	Synthesis of heparosan oligosaccharides by Pasteurella multocida PmHS2 single-action transferases. Applied Microbiology and Biotechnology, 2012, 95, 1199-1210.	1.7	20
29	Polysaccharide-Acting Enzymes and Their Applications. , 2012, , 375-392.		1
30	Histological Examination of Horse Chestnut Infection by Pseudomonas syringae pv. aesculi and Non-Destructive Heat Treatment to Stop Disease Progression. PLoS ONE, 2012, 7, e39604.	1.1	11
31	Purification and characterization of novel fibrinolytic proteases as potential antithrombotic agents from earthworm Perionyx excavatus. AMB Express, 2011, 1, 26.	1.4	20
32	Analysis of the Polymerization Initiation and Activity of Pasteurella multocida Heparosan Synthase PmHS2, an Enzyme with Glycosyltransferase and UDP-sugar Hydrolase Activity. Journal of Biological Chemistry, 2011, 286, 1777-1785.	1.6	22
33	Molecular sieves provoke multiple substitutions in the enzymatic synthesis of fructose oligosaccharideâ€“lauryl esters. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 183-189.	1.8	17
34	Bifidobacterium carbohydrasesâ€¢their role in breakdown and synthesis of (potential) prebiotics. Molecular Nutrition and Food Research, 2008, 52, 146-163.	1.5	151
35	Legumin allergens from peanuts and soybeans: Effects of denaturation and aggregation on allergenicity. Molecular Nutrition and Food Research, 2008, 52, 674-682.	1.5	61
36	Heat denaturation of Brazil nut allergen Ber e 1 in relation to food processing. Food Chemistry, 2008, 110, 904-908.	4.2	9

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37	Bifidobacterium glycoside hydrolases and (potential) prebiotics. Innovative Food Science and Emerging Technologies, 2008, 9, 401-407.	2.7	36
38	Determination of Pepsin-Susceptible and Pepsin-Resistant Epitopes in Native and Heat-Treated Peanut Allergen Ara h 1. Journal of Agricultural and Food Chemistry, 2008, 56, 2223-2230.	2.4	24
39	Peanut Allergen Ara h 1 Interacts with Proanthocyanidins into Higher Molecular Weight Complexes. Journal of Agricultural and Food Chemistry, 2007, 55, 8772-8778.	2.4	21
40	Allergen Ara h 1 Occurs in Peanuts as a Large Oligomer Rather Than as a Trimer. Journal of Agricultural and Food Chemistry, 2006, 54, 7180-7186.	2.4	45
41	Increasing the transglycosylation activity of Î±-galactosidase fromBifidobacterium adolescentisDSM 20083 by site-directed mutagenesis. Biotechnology and Bioengineering, 2006, 93, 122-131.	1.7	36
42	Expanded bed adsorption as a fast technique for the large-scale purification of the complete isoform pool of Ber e 1, the major allergen from Brazil nuts. Molecular Nutrition and Food Research, 2006, 50, 275-281.	1.5	2
43	Structural Rearrangements of Sucrose Phosphorylase from Bifidobacterium adolescentis during Sucrose Conversion. Journal of Biological Chemistry, 2006, 281, 35576-35584.	1.6	76
44	Cloning and characterization of arabinoxylan arabinofuranohydrolase-D3 (AXHd3) from Bifidobacterium adolescentis DSM20083. Applied Microbiology and Biotechnology, 2005, 67, 641-647.	1.7	105
45	Bifidobacterium longum Endogalactanase Liberates Galactotriose from Type I Galactans. Applied and Environmental Microbiology, 2005, 71, 5501-5510.	1.4	51
46	Structure and Stability of the Potato Cysteine Protease Inhibitor Group (Cv. Elkana). Journal of Agricultural and Food Chemistry, 2005, 53, 5739-5746.	2.4	16
47	Conformational Stability of the Potato Serine Protease Inhibitor Group. Journal of Agricultural and Food Chemistry, 2005, 53, 3191-3196.	2.4	12
48	Glycosyl hydrolases from Bifidobacterium adolescentis DSM20083. An overview. Dairy Science and Technology, 2005, 85, 125-133.	0.9	8
49	Physico-chemical and transglucosylation properties of recombinant sucrose phosphorylase from Bifidobacterium adolescentis DSM20083. Applied Microbiology and Biotechnology, 2004, 65, 219-227.	1.7	68
50	Î²-Galactosidase from Bifidobacterium adolescentis DSM20083 prefers Î²(1,4)-galactosides over lactose. Applied Microbiology and Biotechnology, 2004, 66, 276-284.	1.7	59
51	Tentative Assignment of the Potato Serine Protease Inhibitor Group as Î²-II Proteins Based on Their Spectroscopic Characteristics. Journal of Agricultural and Food Chemistry, 2004, 52, 7704-7710.	2.4	10
52	Structural Characterization of Potato Protease Inhibitor I (Cv. Bintje) after Expression inPichia pastoris. Journal of Agricultural and Food Chemistry, 2004, 52, 4928-4934.	2.4	17
53	Crystal Structure of Sucrose Phosphorylase fromBifidobacterium adolescentisâ€. Biochemistry, 2004, 43, 1156-1162.	1.2	85
54	Cloning and characterization of two Î±-glucosidases from Bifidobacterium adolescentis DSM20083. Applied Microbiology and Biotechnology, 2003, 61, 55-60.	1.7	31

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55	The Most Abundant Protease Inhibitor in Potato Tuber (Cv. Elkana) Is a Serine Protease Inhibitor from the Kunitz Family. Journal of Agricultural and Food Chemistry, 2003, 51, 5001-5005.	2.4	53
56	Methods for the preparation of cell walls from potatoes. Journal of the Science of Food and Agriculture, 2002, 82, 834-839.	1.7	8
57	In muro fragmentation of the rhamnogalacturonan I backbone in potato (Solanum tuberosum L.) results in a reduction and altered location of the galactan and arabinan side-chains and abnormal periderm development. Plant Journal, 2002, 30, 403-413.	2.8	86
58	Relative Abundance and Inhibitory Distribution of Protease Inhibitors in Potato Juice from cv. Elkana. Journal of Agricultural and Food Chemistry, 2001, 49, 2864-2874.	2.4	139
59	A new family of rhamnogalacturonan lyases contains an enzyme that binds to cellulose. Biochemical Journal, 2001, 355, 167.	1.7	33
60	A new family of rhamnogalacturonan lyases contains an enzyme that binds to cellulose. Biochemical Journal, 2001, 355, 167-177.	1.7	56
61	Purification and characterisation of a Î²-galactosidase from Aspergillus aculeatus with activity towards (modified) exopolysaccharides from Lactococcus lactis subsp. cremoris B39 and B891. Carbohydrate Research, 2000, 329, 75-85.	1.1	23
62	Title is missing!. Biotechnology Letters, 1999, 21, 441-445.	1.1	30
63	Purification and mode of action of two different arabinoxylan arabinofuranohydrolases from Bifidobacterium adolescentis DSM 20083. Applied Microbiology and Biotechnology, 1999, 51, 606-613.	1.7	81
64	Stereochemical Course of Hydrolysis Catalysed by Î±-l-Rhamnosyl and Î±-d-Galacturonosyl Hydrolases fromAspergillus aculeatus. Biochemical and Biophysical Research Communications, 1998, 242, 552-559.	1.0	27
65	Fungal and Plant Xyloglucanases May Act in Concert During Liquefaction of Apples. Journal of the Science of Food and Agriculture, 1997, 73, 407-416.	1.7	13
66	Pectin lyase is a key enzyme in the maceration of potato tuber. Journal of the Science of Food and Agriculture, 1997, 75, 167-172.	1.7	26
67	New enzymes active towards pectic structures. Progress in Biotechnology, 1996, , 231-245.	0.2	6
68	An exogalacturonase from Aspergillus aculeatus able to degrade xylogalacturonan. Biotechnology Letters, 1996, 18, 707-712.	1.1	28
69	Studies on apple protopectin VI: extraction of pectins from apple cell walls with rhamnogalacturonase. Carbohydrate Polymers, 1993, 22, 203-210.	5.1	25
70	Isolation and characterization of an endopolygalacturonase from Phanerochaete chrysosporium. Journal of Biotechnology, 1993, 28, 179-197.	1.9	23
71	Physicochemical and catalytic properties of three endopolygalacturonases from Penicillium pinophilum. Journal of Biotechnology, 1993, 28, 199-218.	1.9	7
72	Rhamnogalacturonan acetylesterase: a novel enzyme from Aspergillus aculeatus, specific for the deacetylation of hairy (ramified) regions of pectins. Applied Microbiology and Biotechnology, 1992, 38, 347-349.	1.7	86

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73	Calcium homeostasis of epithelial cells. Comparative Biochemistry and Physiology A, Comparative Physiology, 1988, 90, 767-770.	0.7	7
74	A high phosphate diet lowers blood pressure in spontaneously hypertensive rats.. Hypertension, 1987, 9, 96-102.	1.3	46
75	Effect of pH on the kinetics of Na+-dependent phosphate transport in rat renal brush-border membranes. Biochimica Et Biophysica Acta - Biomembranes, 1987, 897, 83-92.	1.4	20
76	Increased plasma calcitonin levels in young spontaneously hypertensive rats: role in disturbed phosphate homeostasis. Pflugers Archiv European Journal of Physiology, 1987, 408, 395-400.	1.3	22