Mark D Harrison

List of Publications by Year
in descending order

43 papers	2,293 citations	304743 22 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	2863 citing authors

#	Article	IF	Citations
1	Valorization of sugarcane biorefinery residues using fungal biocatalysis. Biomass Conversion and Biorefinery, 2022, 12, 997-1011.	4.6	8
2	Development of simple, scalable protease production from Botrytis cinerea. Applied Microbiology and Biotechnology, 2022, 106, 2219-2233.	3.6	1
3	Filamentous fungi for future functional food and feed. Current Opinion in Biotechnology, 2022, 76, 102729.	6.6	28
4	Enzymatic acylation of cyanidin-3-glucoside with fatty acid methyl esters improves stability and antioxidant activity. Food Chemistry, 2021, 343, 128482.	8.2	40
5	Exogenous Probiotics Improve Fermentation Quality, Microflora Phenotypes, and Trophic Modes of Fermented Vegetable Waste for Animal Feed. Microorganisms, 2021, 9, 644.	3.6	10
6	Highly efficient production of transfructosylating enzymes using low-cost sugarcane molasses by A. pullulans FRR 5284. Bioresources and Bioprocessing, 2021, 8, .	4.2	8
7	Transformation of sugarcane molasses into fructooligosaccharides with enhanced prebiotic activity using whole-cell biocatalysts from Aureobasidium pullulans FRR 5284 and an invertase-deficient Saccharomyces cerevisiae 1403-7A. Bioresources and Bioprocessing, 2021, 8, .	4.2	3
8	Efficient production of fructo-oligosaccharides from sucrose and molasses by a novel Aureobasidium pullulan strain. Biochemical Engineering Journal, 2020, 163, 107747.	3.6	18
9	A snapshot of microbial diversity and function in an undisturbed sugarcane bagasse pile. BMC Biotechnology, 2020, 20, 12.	3.3	12
10	Production of human vitronectin in <i>Nicotiana benthamiana</i> using the <scp>INPACT</scp> hyperexpression platform. Plant Biotechnology Journal, 2018, 16, 394-403.	8.3	2
11	Rice bran oil based biodiesel production using calcium oxide catalyst derived from Chicoreus brunneus shell. Energy, 2018, 144, 10-19.	8.8	130
12	Structural Characteristics of Bagasse Furfural Residue and Its Lignin Component. An NMR, Py-GC/MS, and FTIR Study. ACS Sustainable Chemistry and Engineering, 2017, 5, 4846-4855.	6.7	87
13	Pseudomonas aeruginosa Trent and zinc homeostasis. FEMS Microbiology Letters, 2017, 364, .	1.8	4
14	Biodiesel production by lipase-catalyzed transesterification of Ocimum basilicum L. (sweet basil) seed oil. Energy Conversion and Management, 2017, 132, 82-90.	9.2	98
15	The effect of pretreatment on methanesulfonic acid-catalyzed hydrolysis of bagasse to levulinic acid, formic acid, and furfural. RSC Advances, 2016, 6, 74525-74535.	3.6	31
16	Understanding flocculation properties of soil impurities present in the factory sugarcane supply. Journal of Food Engineering, 2016, 189, 55-63.	5.2	10
17	Organosolv pretreatment of plant biomass for enhanced enzymatic saccharification. Green Chemistry, 2016, 18, 360-381.	9.0	299
18	Effects of glycerol on enzymatic hydrolysis and ethanol production using sugarcane bagasse pretreated by acidified glycerol solution. Bioresource Technology, 2015, 192, 367-373.	9.6	43

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19	The combination of plant-expressed cellobiohydrolase and low dosages of cellulases for the hydrolysis of sugar cane bagasse. Biotechnology for Biofuels, 2014, 7, 131.	6.2	29
20	Stability of endoglucanases from mesophilic fungus and thermophilic bacterium in acidified polyols. Enzyme and Microbial Technology, 2014, 61-62, 55-60.	3.2	6
21	An improved chemically inducible gene switch that functions in the monocotyledonous plant sugar cane. Plant Molecular Biology, 2014, 84, 443-454.	3.9	17
22	Recombinant Cellulase Accumulation in the Leaves of Mature, Vegetatively Propagated Transgenic Sugarcane. Molecular Biotechnology, 2014, 56, 795-802.	2.4	18
23	Effect of pretreatment on saccharification of sugarcane bagasse by complex and simple enzyme mixtures. Bioresource Technology, 2013, 148, 105-113.	9.6	41
24	Isolation and functional characterisation of banana phytoene synthase genes as potential cisgenes. Planta, 2012, 236, 1585-1598.	3.2	47
25	Accumulation of recombinant cellobiohydrolase and endoglucanase in the leaves of mature transgenic sugar cane. Plant Biotechnology Journal, 2011, 9, 884-896.	8.3	84
26	Expression of Potato virus Y cytoplasmic inclusion protein in tobacco results in disorganization of parenchyma cells, distortion of epidermal cells, and induces mitochondrial and chloroplast abnormalities, formation of membrane whorls and atypical lipid accumulation. Micron, 2009, 40, 730-736.	2.2	10
27	Optical Spectroscopic Investigation of the Alkaline Transition in Umecyanin from Horseradish Rootâ€. Biochemistry, 2005, 44, 16090-16097.	2.5	14
28	Investigating the Cause of the Alkaline Transition of Phytocyaninsâ€. Biochemistry, 2005, 44, 3056-3064.	2.5	14
29	Crystal Structures of Oxidized and Reduced Stellacyanin from Horseradish Rootsâ€. Journal of the American Chemical Society, 2005, 127, 158-166.	13.7	51
30	Characterization of Arabidopsis thaliana stellacyanin: A comparison with umecyanin. Proteins: Structure, Function and Bioinformatics, 2004, 55, 426-435.	2.6	11
31	An Axial Met Ligand at a Type 1 Copper Site is Preferable for Fast Electron Transfer. ChemBioChem, 2004, 5, 1579-1581.	2.6	15
32	The Active-Site Structure of Umecyanin, the Stellacyanin from Horseradish Roots. Journal of the American Chemical Society, 2004, 126, 2481-2489.	13.7	23
33	Inert Site in a Protein Zinc Cluster: Isotope Exchange by High Resolution Mass Spectrometry. Journal of the American Chemical Society, 2003, 125, 3226-3227.	13.7	39
34	Alkaline transition of phytocyanins: a comparison of stellacyanin and umecyanin. Biochemical Journal, 2003, 371, 377-383.	3.7	19
35	Surplus Zinc Is Handled by Zym1 Metallothionein and Zhf Endoplasmic Reticulum Transporter in Schizosaccharomyces pombe. Journal of Biological Chemistry, 2002, 277, 30394-30400.	3.4	63
36	Multiple bacteria encode metallothioneins and SmtA-like zinc fingers. Molecular Microbiology, 2002, 45, 1421-1432.	2.5	162

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37	A metallothionein containing a zinc finger within a four-metal cluster protects a bacterium from zinc toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9593-9598.	7.1	172
38	Intracellular copper routing: the role of copper chaperones. Trends in Biochemical Sciences, 2000, 25, 29-32.	7.5	234
39	Stoichiometry of Complex Formation between Copper(I) and the N-Terminal Domain of the Menkes Proteinâ€. Biochemistry, 2000, 39, 6857-6863.	2.5	49
40	Copper chaperones: function, structure and copper-binding properties. Journal of Biological Inorganic Chemistry, 1999, 4, 145-153.	2.6	157
41	Characterisation of copper-binding to the second sub-domain of the Menkes protein ATPase (MNKr2). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1453, 254-260.	3.8	17
42	TheEnterococcus hiraecopper chaperone CopZ delivers copper(I) to the CopY repressor. FEBS Letters, 1999, 445, 27-30.	2.8	145
43	Oxygen Isotope Ratios of Juice Water in Australian Oranges and Concentrates. Journal of Agricultural and Food Chemistry, 1999, 47, 2606-2612.	5.2	17