

Patrick G Murray

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/645746/patrick-g-murray-publications-by-year.pdf>

Version: 2024-04-26

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.

42
papers

1,174
citations

18
h-index

34
g-index

45
ext. papers

1,296
ext. citations

4.6
avg, IF

4.26
L-index

#	Paper	IF	Citations
42	Biological Synthesis of Monodisperse Uniform-Size Silver Nanoparticles (AgNPs) by Fungal Cell-Free Extracts at Elevated Temperature and pH. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 439	5.6	0
41	β-Glucans from Yeast Immunomodulators from Novel Waste Resources. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5208	2.6	2
40	Anti-inflammatory and antithrombotic properties of polar lipid extracts, rich in unsaturated fatty acids, from the Irish marine cyanobacterium <i>Spirulina subsalsa</i> . <i>Journal of Functional Foods</i> , 2022 , 94, 105124	5.1	0
39	Effect of biomass pre-treatment on supercritical CO ₂ extraction of lipids from marine diatom sp. and its biomass evaluation as bioethanol feedstock. <i>Heliyon</i> , 2021 , 7, e05995	3.6	5
38	Bioactive Lipids of Marine Microalga sp. SABC 012504 with Anti-Inflammatory and Anti-Thrombotic Activities. <i>Marine Drugs</i> , 2021 , 19,	6	10
37	Marine Microalgae for Potential Lutein Production. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6457	2.6	14
36	Marine cyanobacteria as potential alternative source for GABA production. <i>Bioresource Technology Reports</i> , 2019 , 8, 100342	4.1	3
35	The Carotenogenic CCAP 19/20 Produces Enhanced Levels of Carotenoid under Specific Nutrients Limitation. <i>BioMed Research International</i> , 2018 , 2018, 7532897	3	16
34	Exploitation of Microalgae Species for Nutraceutical Purposes: Cultivation Aspects. <i>Fermentation</i> , 2018 , 4, 46	4.7	26
33	Identification of optimum fatty acid extraction methods for two different microalgae <i>Phaeodactylum tricornutum</i> and <i>Haematococcus pluvialis</i> for food and biodiesel applications. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4659-4667	4.4	19
32	Simultaneous Determination of 23 Azo Dyes in Paprika by Gas Chromatography-Mass Spectrometry. <i>Food Analytical Methods</i> , 2017 , 10, 876-884	3.4	15
31	Enhanced textile dye decolorization by marine-derived basidiomycete <i>Peniophora</i> sp. CBMAI 1063 using integrated statistical design. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8659-68	5.1	26
30	Microalgae as a source of nutraceuticals 2015 , 255-291		7
29	Mycofabrication of common plasmonic colloids, theoretical considerations, mechanism and potential applications. <i>Advances in Colloid and Interface Science</i> , 2015 , 225, 37-52	14.3	6
28	Improved method for rapid detection of phthalates in bottled water by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 997, 229-35	3.2	50
27	Purification and characterisation of a β -1,4-xylanase from <i>Remersonia thermophila</i> CBS 540.69 and its application in bread making. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 1747-62	3.2	23
26	Environmental evaluation of eicosapentaenoic acid production by <i>Phaeodactylum tricornutum</i> . <i>Science of the Total Environment</i> , 2014 , 466-467, 991-1002	10.2	17

25	Life cycle assessment of the production of the red antioxidant carotenoid astaxanthin by microalgae: from lab to pilot scale. <i>Journal of Cleaner Production</i> , 2014 , 64, 332-344	10.3	123
24	Mutualism Within a Simulated Microgravity Environment - <i>Piriformospora indica</i> Promotes the Growth of <i>Medicago truncatula</i> . <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2014 , 2, 21-33	0.4	2
23	Tagging of biomolecules with deuterated water (D2O) in commercially important microalgae. <i>Biotechnology Letters</i> , 2013 , 35, 1067-72	3	9
22	Effect of macro- and micro-nutrient limitation on superoxide dismutase activities and carotenoid levels in microalga <i>Dunaliella salina</i> CCAP 19/18. <i>Bioresource Technology</i> , 2013 , 147, 23-28	11	32
21	Effect of various stress-regulatory factors on biomass and lipid production in microalga <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2013 , 128, 118-24	11	81
20	Cloning, overexpression in <i>Escherichia coli</i> , and characterization of a thermostable fungal acetylxyloxyesterase from <i>Talaromyces emersonii</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 3759-62	4.8	7
19	Characterisation of a <i>Talaromyces emersonii</i> thermostable enzyme cocktail with applications in wheat dough rheology. <i>Enzyme and Microbial Technology</i> , 2011 , 49, 229-36	3.8	13
18	Thermophilic Filamentous Fungal Enzyme Systems: Applications in the Agri-Food Industries. <i>Natural Products Journal</i> , 2011 , 1, 2-19	0.6	
17	Metabolic engineering for improved microbial pentose fermentation. <i>Bioengineered Bugs</i> , 2010 , 1, 424-8		38
16	<i>Talaromyces emersonii</i> thermostable enzyme systems and their applications in wheat baking systems. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 7415-22	5.7	21
15	Expression of <i>Talaromyces emersonii</i> cellobiohydrolase Cel7A in <i>Saccharomyces cerevisiae</i> and rational mutagenesis to improve its thermostability and activity. <i>Protein Engineering, Design and Selection</i> , 2010 , 23, 69-79	1.9	108
14	Cloning, heterologous expression, and characterization of the xylitol and L-arabitol dehydrogenase genes, <i>Texdh</i> and <i>Telad</i> , from the thermophilic fungus <i>Talaromyces emersonii</i> . <i>Biochemical Genetics</i> , 2010 , 48, 480-95	2.4	3
13	Characterization of a multimeric, eukaryotic prolyl aminopeptidase: an inducible and highly specific intracellular peptidase from the non-pathogenic fungus <i>Talaromyces emersonii</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3673-3682	2.9	26
12	Xylose reductase from the thermophilic fungus <i>Talaromyces emersonii</i> : cloning and heterologous expression of the native gene (<i>Texr</i>) and a double mutant (<i>TexrK271R + N273D</i>) with altered coenzyme specificity. <i>Journal of Biosciences</i> , 2009 , 34, 881-90	2.3	14
11	Inhibition of a secreted glutamic peptidase prevents growth of the fungus <i>Talaromyces emersonii</i> . <i>Journal of Biological Chemistry</i> , 2008 , 283, 29186-95	5.4	21
10	Purification and characterization of a N-acetylglucosaminidase produced by <i>Talaromyces emersonii</i> during growth on algal fucoidan. <i>Journal of Applied Phycology</i> , 2008 , 20, 557-565	3.2	10
9	Molecular cloning and expression analysis of two distinct beta-glucosidase genes, <i>bg1</i> and <i>aven1</i> , with very different biological roles from the thermophilic, saprophytic fungus <i>Talaromyces emersonii</i> . <i>Mycological Research</i> , 2007 , 111, 840-9		29
8	Purification and characterization of a N-acetylglucosaminidase produced by <i>Talaromyces emersonii</i> during growth on algal fucoidan 2007 , 107-115		

7	Mitochondrial malate dehydrogenase from the thermophilic, filamentous fungus <i>Talaromyces emersonii</i> . <i>FEBS Journal</i> , 2004 , 271, 3115-26		12
6	Three-dimensional structure of a thermostable native cellobiohydrolase, CBH IB, and molecular characterization of the cel7 gene from the filamentous fungus, <i>Talaromyces emersonii</i> . <i>FEBS Journal</i> , 2004 , 271, 4495-506		92
5	Expression in <i>Trichoderma reesei</i> and characterisation of a thermostable family 3 beta-glucosidase from the moderately thermophilic fungus <i>Talaromyces emersonii</i> . <i>Protein Expression and Purification</i> , 2004 , 38, 248-57	2	134
4	Crystallization and preliminary crystallographic analysis of the catalytic domain cellobiohydrolase I from <i>Talaromyces emersonii</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 1283-4		6
3	Kinetic parameters and mode of action of the cellobiohydrolases produced by <i>Talaromyces emersonii</i> . <i>BBA - Proteins and Proteomics</i> , 2002 , 1596, 366-80		66
2	Isolation and characterization of a thermostable endo-beta-glucanase active on 1,3-1,4-beta-D-glucans from the aerobic fungus <i>Talaromyces emersonii</i> CBS 814.70. <i>Enzyme and Microbial Technology</i> , 2001 , 29, 90-98	3.8	86
1	Polyketides as a source of chemical diversity381-405		1