

Barry J Ryan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

597
citations

759233

12
h-index

642732

23
g-index

38
all docs

38
docs citations

38
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular secretion of a cutinase with polyester-degrading potential by <i>E. coli</i> using a novel signal peptide from <i>Amycolatopsis mediterranei</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 60.	3.6	0
2	An extracellular lipase from <i>Amycolatopsis mediterranei</i> is a cutinase with plastic degrading activity. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 869-879.	4.1	26
3	β -glucosidase from <i>Streptomyces griseus</i> : Ester hydrolysis and alkyl glucoside synthesis in the presence of Deep Eutectic Solvents. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100129.	5.6	13
4	Novel Facet of an Old Dietary Molecule? Direct Influence of Caffeine on Glucose and Biogenic Amine Handling by Human Adipocytes. <i>Molecules</i> , 2021, 26, 3831.	3.8	6
5	Cutinase from <i>Amycolatopsis mediterranei</i> : Marked activation and stabilisation in Deep Eutectic Solvents. <i>Bioresource Technology Reports</i> , 2021, 16, 100882.	2.7	2
6	Isolation and characterization of a novel thermo-solvent-stable lipase from <i>Pseudomonas brenneri</i> and its application in biodiesel synthesis. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101806.	3.1	14
7	Enzymatic in-situ transesterification of neutral lipids from simulated wastewater cultured <i>Chlorella emersonii</i> and <i>Pseudokirchneriella subcapitata</i> to sustainably produce fatty acid methyl esters. <i>Bioresource Technology Reports</i> , 2020, 11, 100489.	2.7	7
8	Methylxanthines Inhibit Primary Amine Oxidase and Monoamine Oxidase Activities of Human Adipose Tissue. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 18.	1.4	5
9	Nile Red assay development for the estimation of neutral lipids in <i>Chlorella emersonii</i> and <i>Pseudokirchneriella subcapitata</i> . <i>The EuroBiotech Journal</i> , 2020, 4, 216-222.	1.0	1
10	Isolation, purification and characterization of a novel solvent stable lipase from <i>Pseudomonas reinekei</i> . <i>Protein Expression and Purification</i> , 2019, 153, 121-130.	1.3	40
11	The Statistical Optimisation of Recombinant β -glucosidase Production through a Two-Stage, Multi-Model, Design of Experiments Approach. <i>Bioengineering</i> , 2019, 6, 61.	3.5	2
12	The Impact of Social Inclusion on the Social Development of Students with a General Learning Difficulty in Postprimary Education in Ireland. <i>Education Research International</i> , 2019, 2019, 1-7.	1.1	9
13	Theobromine and related methylxanthines as inhibitors of Primary Amine Oxidase. <i>Journal of Food Biochemistry</i> , 2019, 43, e12697.	2.9	8
14	Solvent stable microbial lipases: current understanding and biotechnological applications. <i>Biotechnology Letters</i> , 2019, 41, 203-220.	2.2	63
15	A Study of First Year Undergraduate Computing Students' Experience of Learning Software Development in the Absence of a Software Development Process. , 2019, , .		0
16	The Goldilocks Approach: A Review of Employing Design of Experiments in Prokaryotic Recombinant Protein Production. <i>Bioengineering</i> , 2018, 5, 89.	3.5	24
17	β -Glucosidase from <i>Streptomyces griseus</i> : Nanoparticle immobilisation and application to alkyl glucoside synthesis. <i>Protein Expression and Purification</i> , 2017, 132, 164-170.	1.3	23
18	Avoiding Proteolysis During Protein Purification. <i>Methods in Molecular Biology</i> , 2017, 1485, 53-69.	0.9	5

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19	Differential Precipitation and Solubilization of Proteins. <i>Methods in Molecular Biology</i> , 2017, 1485, 191-208.	0.9	4
20	DEVELOPING MOBILE APPS FOR IMPROVING THE ORIENTATION EXPERIENCE OF FIRST YEAR THIRD LEVEL STUDENTS. , 2016, , .		3
21	Near Peers: Harnessing the power of the populous to enhance the learning environment. <i>Irish Journal of Technology Enhanced Learning</i> , 2016, 2, .	0.6	4
22	New inhibitors of the Kv β 2 subunit from mammalian Kv1 potassium channels. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 55, 35-39.	2.8	5
23	A short chain NAD(H)-dependent alcohol dehydrogenase (HpSCADH) from <i>Helicobacter pylori</i> : A role in growth under neutral and acidic conditions. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1347-1355.	2.8	9
24	Line up, line up: using technology to align and enhance peer learning and assessment in a student centred foundation organic chemistry module. <i>Chemistry Education Research and Practice</i> , 2013, 14, 229-238.	2.5	25
25	Overview of Approaches to Preventing and Avoiding Proteolysis During Expression and Purification of Proteins. <i>Current Protocols in Protein Science</i> , 2013, 71, Unit5.25.	2.8	23
26	A walk down the red carpet: students as producers of digital video-based knowledge. <i>International Journal of Technology Enhanced Learning</i> , 2013, 5, 24.	0.7	19
27	Avoiding Proteolysis During Protein Chromatography. <i>Methods in Molecular Biology</i> , 2011, 681, 61-71.	0.9	4
28	Differential Precipitation and Solubilization of Proteins. <i>Methods in Molecular Biology</i> , 2011, 681, 203-213.	0.9	4
29	Substrate profiling and aldehyde dismutase activity of the Kv β 2 subunit of the mammalian Kv1 potassium channel. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 2012-2018.	2.8	2
30	Consensus mutagenesis reveals that non-helical regions influence thermal stability of horseradish peroxidase. <i>Biochimie</i> , 2008, 90, 1389-1396.	2.6	13
31	Effects of mutations in the helix G region of horseradish peroxidase. <i>Biochimie</i> , 2008, 90, 1414-1421.	2.6	11
32	Effects of single mutations on the stability of horseradish peroxidase to hydrogen peroxide. <i>Biochimie</i> , 2007, 89, 1029-1032.	2.6	32
33	Arginine-to-lysine substitutions influence recombinant horseradish peroxidase stability and immobilisation effectiveness. <i>BMC Biotechnology</i> , 2007, 7, 86.	3.3	31
34	ProteinParser – A community based tool for the generation of a detailed protein consensus and FASTA output. <i>Computer Methods and Programs in Biomedicine</i> , 2007, 85, 69-76.	4.7	1
35	Modified His-tag fusion vector for enhanced protein purification by immobilized metal affinity chromatography. <i>Analytical Biochemistry</i> , 2006, 355, 148-150.	2.4	22
36	Horseradish and soybean peroxidases: comparable tools for alternative niches?. <i>Trends in Biotechnology</i> , 2006, 24, 355-363.	9.3	134

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37	The 4C [™] s of PAL – an evidence-based model for implementing peer assisted learning for mature students. <i>Innovations in Education and Teaching International</i> , 0, , 1-11.	2.5	3