

Jonathan GI Mullins

List of Publications by Year in descending order

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46
papers

2,362
citations

172457

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254184

43
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docs citations

46
times ranked

3675
citing authors

#	ARTICLE	IF	CITATIONS
1	Claudin Association with CD81 Defines Hepatitis C Virus Entry. <i>Journal of Biological Chemistry</i> , 2010, 285, 21092-21102.	3.4	182
2	Resistance to antifungals that target CYP51. <i>Journal of Chemical Biology</i> , 2014, 7, 143-161.	2.2	146
3	Overlapping cortical malformations and mutations in TUBB2B and TUBA1A. <i>Brain</i> , 2013, 136, 536-548.	7.6	133
4	The First Virally Encoded Cytochrome P450. <i>Journal of Virology</i> , 2009, 83, 8266-8269.	3.4	128
5	Membrane topology of the Mep/Amt family of ammonium transporters. <i>Molecular Microbiology</i> , 2000, 37, 331-344.	2.5	113
6	Pathophysiological Mechanisms of Dominant and Recessive GLRA1 Mutations in Hyperekplexia. <i>Journal of Neuroscience</i> , 2010, 30, 9612-9620.	3.6	112
7	Impact of Recently Emerged Sterol 14 α -Demethylase (CYP51) Variants of <i>Mycosphaerella graminicola</i> on Azole Fungicide Sensitivity. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3830-3837.	3.1	107
8	De Novo Mutations in the Beta-Tubulin Gene TUBB2A Cause Simplified Gyral Patterning and Infantile-Onset Epilepsy. <i>American Journal of Human Genetics</i> , 2014, 94, 634-641.	6.2	99
9	A Short Regulatory Domain Restricts Glycerol Transport through Yeast Fps1p. <i>Journal of Biological Chemistry</i> , 2003, 278, 6337-6345.	3.4	87
10	The CYPome (Cytochrome P450 complement) of <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, S53-S61.	2.1	78
11	Recognizable cerebellar dysplasia associated with mutations in multiple tubulin genes. <i>Human Molecular Genetics</i> , 2015, 24, 5313-5325.	2.9	77
12	Demethylase Inhibitor Fungicide Resistance in <i>Pyrenophora teres</i> f. sp. <i>teres</i> Associated with Target Site Modification and Inducible Overexpression of Cyp51. <i>Frontiers in Microbiology</i> , 2016, 7, 1279.	3.5	74
13	Molecular Modelling of the Emergence of Azole Resistance in <i>Mycosphaerella graminicola</i> . <i>PLoS ONE</i> , 2011, 6, e20973.	2.5	74
14	De novo mutations in GRIN1 cause extensive bilateral polymicrogyria. <i>Brain</i> , 2018, 141, 698-712.	7.6	72
15	Genotype-phenotype correlations in hyperekplexia: apnoeas, learning difficulties and speech delay. <i>Brain</i> , 2013, 136, 3085-3095.	7.6	66
16	Plant virus transmission by plasmodiophorid fungi is associated with distinctive transmembrane regions of virus-encoded proteins. <i>Archives of Virology</i> , 2001, 146, 1139-1153.	2.1	59
17	A Regulatory Domain in the C-terminal Extension of the Yeast Glycerol Channel Fps1p. <i>Journal of Biological Chemistry</i> , 2004, 279, 14954-14960.	3.4	54
18	Specific Inhibition of Phosphodiesterase-4B Results in Anxiolysis and Facilitates Memory Acquisition. <i>Neuropsychopharmacology</i> , 2016, 41, 1080-1092.	5.4	53

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19	GLRB is the third major gene of effect in hyperekplexia. <i>Human Molecular Genetics</i> , 2013, 22, 927-940.	2.9	50
20	The glycinergic system in human startle disease: a genetic screening approach. <i>Frontiers in Molecular Neuroscience</i> , 2010, 3, 8.	2.9	47
21	Influence of CrgA on Assembly of the Cell Division Protein FtsZ during Development of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2006, 188, 1540-1550.	2.2	44
22	Biophysical Properties of 9 <i>KCNQ1</i> Mutations Associated With Long-QT Syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 417-426.	4.8	43
23	Sequences of European Wheat Mosaic Virus and Oat Golden Stripe Virus and Genome Analysis of the Genus Furovirus. <i>Virology</i> , 1999, 261, 331-339.	2.4	42
24	Investigating conservation of the albaflavone biosynthetic pathway and CYP170 bifunctionality in streptomycetes. <i>FEBS Journal</i> , 2012, 279, 1640-1649.	4.7	41
25	A Novel GABRG2 mutation, p.R136*, in a family with GEFS+ and extended phenotypes. <i>Neurobiology of Disease</i> , 2014, 64, 131-141.	4.4	39
26	Alternating Hemiplegia of Childhood-Related Neural and Behavioural Phenotypes in Na ⁺ ,K ⁺ -ATPase $\hat{\pm}$ 3 Missense Mutant Mice. <i>PLoS ONE</i> , 2013, 8, e60141.	2.5	39
27	<i>In silico</i> directed mutagenesis identifies the <i>CD81</i> /claudin-1 hepatitis C virus receptor interface. <i>Cellular Microbiology</i> , 2012, 14, 1892-1903.	2.1	35
28	New Hyperekplexia Mutations Provide Insight into Glycine Receptor Assembly, Trafficking, and Activation Mechanisms. <i>Journal of Biological Chemistry</i> , 2013, 288, 33745-33759.	3.4	35
29	Identification of residues controlling transport through the yeast aquaglyceroporin Fps1 using a genetic screen. <i>FEBS Journal</i> , 2004, 271, 771-779.	0.2	32
30	Analysis of the Pore of the Unusual Major Intrinsic Protein Channel, Yeast Fps1p. <i>Journal of Biological Chemistry</i> , 2001, 276, 36543-36549.	3.4	27
31	PAH-Domain-Specific Interactions of the Arabidopsis Transcription Coregulator SIN3-LIKE1 (SNL1) with Telomere-Binding Protein 1 and ALWAYS EARLY2 Myb-DNA Binding Factors. <i>Journal of Molecular Biology</i> , 2010, 395, 937-949.	4.2	27
32	S279 Point Mutations in <i>Candida albicans</i> Sterol 14- $\hat{\pm}$ Demethylase (CYP51) Reduce <i>In Vitro</i> Inhibition by Fluconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2099-2107.	3.2	25
33	Structural Modelling Pipelines in Next Generation Sequencing Projects. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 89, 117-167.	2.3	19
34	Clinical and Functional Characterization of the Recurrent TUBA1A p.(Arg2His) Mutation. <i>Brain Sciences</i> , 2018, 8, 145.	2.3	18
35	Mucosal function after ileal mucosal fenestration and colonic autotransplantation. <i>British Journal of Surgery</i> , 2005, 78, 1309-1312.	0.3	14
36	Drug repurposing <i>in silico</i> screening platforms. <i>Biochemical Society Transactions</i> , 2022, 50, 747-758.	3.4	14

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37	Novel Substrate Specificity and Temperature-Sensitive Activity of <i>Mycosphaerella graminicola</i> CYP51 Supported by the Native NADPH Cytochrome P450 Reductase. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3379-3386.	3.1	13
38	Structure-Related Differences between Cytochrome Oxidase I Proteins in a Stable Heteroplasmic Mitochondrial System. <i>Genome Biology and Evolution</i> , 2017, 9, 3265-3281.	2.5	12
39	Fine architecture and mutation mapping of human brain inhibitory system ligand gated ion channels by high-throughput homology modeling. <i>Advances in Protein Chemistry and Structural Biology</i> , 2010, 80, 117-152.	2.3	10
40	In Vitro and In Silico Analyses of the Inhibition of Human Aldehyde Oxidase by Bazedoxifene, Lasofoxifene, and Structural Analogues. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 75-86.	2.5	10
41	Cross-linking of transmembrane helices in proton-translocating nicotinamide nucleotide transhydrogenase from <i>Escherichia coli</i> : implications for the structure and function of the membrane domain. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1659, 73-82.	1.0	8
42	RfiA, a novel PAP2 domain-containing polytopic membrane protein that confers resistance to the FtsZ inhibitor PC190723. <i>Future Microbiology</i> , 2015, 10, 325-335.	2.0	3
43	Effect of the bile acid: fatty acid ratio on in vivo essential fatty acid absorption in the rat. <i>Biochemical Society Transactions</i> , 1998, 26, S178-S178.	3.4	1
44	Functional expression of Na ⁺ -independent bile acid transport in <i>Xenopus laevis</i> oocytes following injection with pig intestinal mRNA. <i>Biochemical Society Transactions</i> , 1998, 26, S179-S179.	3.4	0
45	Molecular modelling of the mechanism of bile acid transport by the hepatocyte canalicular ecto-ATPase (CAM-105). <i>Biochemical Society Transactions</i> , 1998, 26, S123-S123.	3.4	0
46	Lipopolysaccharide and silica-stimulated mononuclear cell prostaglandin production in ulcerative colitis. <i>Mediators of Inflammation</i> , 2000, 9, 189-191.	3.0	0