John P Morrissey

List of Publications by Year
in descending order

110 papers	6,590 citations	50244 46 h-index	69214 77 g-index
122 all docs	122 docs citations	122 times ranked	7664 citing authors

#	Article	IF	Citations
1	Interdependence between lignocellulosic biomasses, enzymatic hydrolysis and yeast cell factories in biorefineries. Microbial Biotechnology, 2022, 15, 985-995.	2.0	17
2	Identification of a novel gene required for competitive growth at high temperature in the thermotolerant yeast Kluyveromyces marxianus. Microbiology (United Kingdom), 2022, 168, .	0.7	5
3	A comparative assessment and unification of bond models in DEM simulations. Granular Matter, 2022, 24, 1.	1.1	9
4	Protocols for marker-free gene knock-out and knock-down in Kluyveromyces marxianus using CRISPR/Cas9. FEMS Yeast Research, 2022, 22, .	1.1	4
5	Development of a ribosome profiling protocol to study translation in Kluyveromyces marxianus. FEMS Yeast Research, 2022, 22, .	1.1	1
6	DEM simulations of agglomerates impact breakage using Timoshenko beam bond model. Granular Matter, 2022, 24, .	1.1	3
7	Reconstruction of a catalogue of genome-scale metabolic models with enzymatic constraints using GECKO 2.0. Nature Communications, 2022, 13, .	5.8	39
8	Identification of novel pentose transporters in Kluyveromyces marxianus using a new screening platform. FEMS Yeast Research, 2021, 21, .	1.1	13
9	Model driven design for twin screw granulation using mechanistic-based population balance model. International Journal of Pharmaceutics, 2021, 607, 120939.	2.6	17
10	Insights on life cycle and cell identity regulatory circuits for unlocking genetic improvement in Zygosaccharomyces and Kluyveromyces yeasts. FEMS Yeast Research, 2021, , .	1.1	4
11	Conceptualisation of an Efficient Particle-Based Simulation of a Twin-Screw Granulator. Pharmaceutics, 2021, 13, 2136.	2.0	5
12	Tracking Yeast Metabolism and the Crabtree Effect in Real Time via CO2 Production using Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS). Journal of Biotechnology, 2020, 308, 63-73.	1.9	3
13	20 years a-publishing â€“ the development of FEMS Yeast Research. FEMS Yeast Research, 2020, 20, .	1.1	0
14	Rational engineering of Kluyveromyces marxianus to create a chassis for the production of aromatic products. Microbial Cell Factories, 2020, 19, 207.	1.9	28
15	Editorial: Microbial Stress: From Sensing to Intracellular and Population Responses. Frontiers in Microbiology, 2020, 11, 1667.	1.5	1
16	Stress-induced expression is enriched for evolutionarily young genes in diverse budding yeasts. Nature Communications, 2020, 11, 2144.	5.8	24
17	Post-processing and visualization of large-scale DEM simulation data with the open-source VELaSSCo platform. Simulation, 2020, 96, 567-581.	1.1	0
18	Hexose transport in Torulaspora delbrueckii: identification of Igt1, a new dual-affinity transporter. FEMS Yeast Research, 2020, 20, .	1.1	9

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19	Biological Parts for Kluyveromyces marxianus Synthetic Biology. Frontiers in Bioengineering and Biotechnology, 2019, 7, 97.	2.0	62
20	Origin of Lactose Fermentation inÂKluyveromyces lactisÂby Interspecies TransferÂof a Neo-functionalized Gene Cluster during Domestication. Current Biology, 2019, 29, 4284-4290.e2.	1.8	41
21	Genome editing in Kluyveromyces and Ogataea yeasts using a broad-host-range Cas9/gRNA co-expression plasmid. FEMS Yeast Research, 2018, 18, .	1.1	75
22	Transcriptional Response to Lactic Acid Stress in the Hybrid Yeast Zygosaccharomyces parabailii. Applied and Environmental Microbiology, 2018, 84, .	1.4	18
23	Innovative training networks: overview of the Marie SkÅ‚odowska-Curie PhD training model. FEMS Microbiology Letters, 2018, 365, .	0.7	13
24	Development and implementation of multilocus sequence typing to study the diversity of the yeast Kluyveromyces marxianus in Italian cheeses. Microbial Genomics, 2018, 4, .	1.0	38
25	A Yeast-Based Biosensor for Screening of Short- and Medium-Chain Fatty Acid Production. ACS Synthetic Biology, 2018, 7, 2640-2646.	1.9	33
26	Ploidy Variation in Kluyveromyces marxianus Separates Dairy and Non-dairy Isolates. Frontiers in Genetics, 2018, 9, 94.	1.1	71
27	Expansion and Diversification of MFS Transporters in Kluyveromyces marxianus. Frontiers in Microbiology, 2018, 9, 3330.	1.5	17
28	Applications of Kluyveromyces marxianus in Biotechnology. , 2017, , 439-453.		22
29	Polymorphisms in the LAC12 gene explain lactose utilisation variability in Kluyveromyces marxianus strains. FEMS Yeast Research, 2017, 17, .	1.1	46
30	Editorial: Networking and collaboration: a stronghold of the yeast research community. FEMS Yeast Research, 2017, 17, .	1.1	1
31	Acquisition of the yeastKluyveromyces marxianusfrom unpasteurised milk by a kefir grain enhances kefir quality. FEMS Microbiology Letters, 2016, 363, fnw165.	0.7	31
32	Assessing physio-macromolecular effects of lactic acid onZygosaccharomyces bailiicells during microaerobic fermentation. FEMS Yeast Research, 2016, 16, fow058.	1.1	17
33	Marine Sponges â€“ Molecular Biology and Biotechnology. , 2015, , 219-254.		5
34	Co-occurence of filamentation defects and impaired biofilms inCandida albicansprotein kinase mutants. FEMS Yeast Research, 2015, 15, fov092.	1.1	14
35	Cell factory applications of the yeast Kluyveromyces marxianus for the biotechnological production of natural flavour and fragrance molecules. Yeast, 2015, 32, 3-16.	0.8	122
36	Maribacter spongiicola sp. nov. and Maribacter vaceletii sp. nov., isolated from marine sponges, and emended description of the genus Maribacter. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2097-2103.	0.8	42

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37	Influence of Carbon and Nitrogen source on production of volatile fragrance and flavour metabolites by the yeastKluyveromyces marxianus. Yeast, 2014, 32, n/a-n/a.	0.8	53
38	Metabolomic Profiling and Genomic Study of a Marine Sponge-Associated Streptomyces sp.. Marine Drugs, 2014, 12, 3323-3351.	2.2	48
39	Aquimarina amphilecti sp. nov., isolated from the sponge Amphilectus fucorum. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 501-505.	0.8	28
40	Micromechanical analysis of cohesive granular materials using the discrete element method with an adhesive elasto-plastic contact model. Granular Matter, 2014, 16, 383-400.	1.1	115
41	Evidence of a Putative Deep Sea Specific Microbiome in Marine Sponges. PLoS ONE, 2014, 9, e91092.	1.1	79
42	A Novel Erythromycin Resistance Plasmid from Bacillus Sp. Strain HS24, Isolated from the Marine Sponge Haliclona Simulans. PLoS ONE, 2014, 9, e115583.	1.1	11
43	Fertilization management affects the alkaline phosphatase bacterial community in barley rhizosphere soil. Biology and Fertility of Soils, 2013, 49, 31-39.	2.3	68
44	Genome sequence reveals that Pseudomonas fluorescens F113 possesses a large and diverse array of systems for rhizosphere function and host interaction. BMC Genomics, 2013, 14, 54.	1.2	78
45	Long-term phosphorus fertilisation increased the diversity of the total bacterial community and the phoD phosphorus mineraliser group in pasture soils. Biology and Fertility of Soils, 2013, 49, 661-672.	2.3	257
46	Subtilomycin: A New Lantibiotic from Bacillus subtilis Strain MMA7 Isolated from the Marine Sponge Haliclona simulans. Marine Drugs, 2013, 11, 1878-1898.	2.2	83
47	Characterization of the <scp>SPI</scp>â€1 and <scp>R</scp>sp type three secretion systems in <scp>P</scp>seudomonas fluorescensâ€...<scp>F</scp>113. Environmental Microbiology Reports, 2013, 5, 377-386.	1.0	19
48	Genome-wide investigation of cellular targets and mode of action of the antifungal bacterial metabolite 2,4-diacetylphloroglucinol inSaccharomyces cerevisiae. FEMS Yeast Research, 2013, 13, 322-334.	1.1	40
49	The bacterial secondary metabolite 2,4-diacetylphloroglucinol impairs mitochondrial function and affects calcium homeostasis in Neurospora crassa. Fungal Genetics and Biology, 2013, 56, 135-146.	0.9	22
50	Transcriptomic and morphological profiling of Aspergillus fumigatus Af293 in response to antifungal activity produced by Lactobacillus plantarum 16. Microbiology (United Kingdom), 2013, 159, 2014-2024.	0.7	13
51	Metagenomic strategies for the discovery of novel enzymes with biotechnological application from marine ecosystems. , 2013, , 109-130.		3
52	Pseudovibrio axinellae sp. nov., isolated from an Irish marine sponge. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 141-145.	0.8	27
53	Characterization of mineral phosphate solubilization traits from a barley rhizosphere soil functional metagenome. MicrobiologyOpen, 2013, 2, 717-724.	1.2	58
54	Archaea Appear to Dominate the Microbiome of Inflatella pellicula Deep Sea Sponges. PLoS ONE, 2013, 8, e84438.	1.1	69

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55	The non-classical ArsR-family repressor PyeR (PA4354) modulates biofilm formation in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2012, 158, 2598-2609.	0.7	20
56	Metabolite-Mediated Interactions Between Bacteria and Fungi. , 2012, , 207-218.		1
57	MexT Functions as a Redox-Responsive Regulator Modulating Disulfide Stress Resistance in Pseudomonas aeruginosa. Journal of Bacteriology, 2012, 194, 3502-3511.	1.0	47
58	Diversity and antibacterial activity of bacteria isolated from the coastal marine sponges Amphilectus fucorum and Eurypon major. Letters in Applied Microbiology, 2012, 55, 2-8.	1.0	41
59	A high-throughput screen to identify novel calcineurin inhibitors. Journal of Microbiological Methods, 2012, 88, 63-66.	0.7	6
60	Pyrosequencing Reveals Diverse and Distinct Sponge-Specific Microbial Communities in Sponges from a Single Geographical Location in Irish Waters. Microbial Ecology, 2012, 64, 105-116.	1.4	67
61	Diversity and bioactive potential of endospore-forming bacteria cultured from the marine sponge Haliclona simulans. Journal of Applied Microbiology, 2012, 112, 65-78.	1.4	37
62	Diversity and antimicrobial activities of microbes from two Irish marine sponges, Suberites carnosus and Leucosolenia sp.. Journal of Applied Microbiology, 2012, 112, 289-301.	1.4	72
63	Exploitation of glucose catabolic gene fusions to investigate in situ expression during Pseudomonasâ€“plant interactions. Biology and Fertility of Soils, 2012, 48, 235-238.	2.3	11
64	Diversity and antimicrobial activity of Pseudovibrio spp. from Irish marine sponges. Journal of Applied Microbiology, 2011, 110, 1495-1508.	1.4	58
65	Functional metagenomic strategies for the discovery of novel enzymes and biosurfactants with biotechnological applications from marine ecosystems. Journal of Applied Microbiology, 2011, 111, 787-799.	1.4	120
66	The Pseudomonas quinolone signal (PQS), and its precursor HHQ, modulate interspecies and interkingdom behaviour. FEMS Microbiology Ecology, 2011, 77, 413-428.	1.3	134
67	Physiological and metabolic diversity in the yeast Kluyveromyces marxianus. Antonie Van Leeuwenhoek, 2011, 100, 507-519.	0.7	115
68	Functional genomics analysis of plant growth-promoting rhizobacterial traits involved in rhizosphere competence. Biology and Fertility of Soils, 2011, 47, 729-743.	2.3	171
69	Genomic analysis of the type VI secretion systems in Pseudomonas spp.: novel clusters and putative effectors uncovered. Microbiology (United Kingdom), 2011, 157, 1726-1739.	0.7	108
70	Implications of interspecies signaling for virulence of bacterial and fungal pathogens. Future Microbiology, 2011, 6, 799-817.	1.0	7
71	Tetracycline Resistance-Encoding Plasmid from Bacillus sp. Strain #24, Isolated from the Marine Sponge Haliclona simulans. Applied and Environmental Microbiology, 2011, 77, 327-329.	1.4	35
72	Biochemical and genomic comparison of inorganic phosphate solubilization in Pseudomonas species. Environmental Microbiology Reports, 2010, 2, 403-411.	1.0	154

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73	Marine Metagenomics: New Tools for the Study and Exploitation of Marine Microbial Metabolism. Marine Drugs, 2010, 8, 608-628.	2.2	152
74	The Pseudomonas fluorescens secondary metabolite 2,4 diacetylphloroglucinol impairs mitochondrial function in Saccharomyces cerevisiae. Antonie Van Leeuwenhoek, 2010, 97, 261-273.	0.7	35
75	Computational prediction of the Crc regulon identifies genus-wide and species-specific targets of catabolite repression control in Pseudomonas bacteria. BMC Microbiology, 2010, 10, 300.	1.3	34
76	Development of buckwheat and teff sourdoughs with the use of commercial starters. International Journal of Food Microbiology, 2010, 142, 142-148.	2.1	56
77	Kluyveromyces marxianus: A yeast emerging from its sister's shadow. Fungal Biology Reviews, 2010, 24, 17-26.	1.9	278
78	Endoglucanase activities and growth of marine-derived fungi isolated from the spongeHaliclona simulans. Journal of Applied Microbiology, 2010, 108, 1668-1675.	1.4	17
79	Intracellular Accumulation of High Levels of Î³-Aminobutyrate by Listeria monocytogenes 10403S in Response to Low pH: Uncoupling of Î³-Aminobutyrate Synthesis from Efflux in a Chemically Defined Medium. Applied and Environmental Microbiology, 2010, 76, 3529-3537.	1.4	61
80	Pseudomonas aeruginosa secreted factors impair biofilm development in Candida albicans. Microbiology (United Kingdom), 2010, 156, 1476-1486.	0.7	73
81	Antibiotic selection leads to inadvertent selection of nfxCâ€type phenotypic mutants in Pseudomonas aeruginosa. Environmental Microbiology Reports, 2010, 2, 461-464.	1.0	4
82	Biological Activity of Defence-Related Plant Secondary Metabolites. , 2009, , 283-299.		8
83	Inhibition ofListeria monocytogenesby acetate, benzoate and sorbate: weak acid tolerance is not influenced by the glutamate decarboxylase system. Letters in Applied Microbiology, 2009, 49, 179-185.	1.0	26
84	Superior inorganic phosphate solubilization is linked to phylogeny within the Pseudomonas fluorescens complex. Applied Soil Ecology, 2009, 43, 131-138.	2.1	97
85	Evolutionary History of the phl Gene Cluster in the Plant-Associated Bacterium Pseudomonas fluorescens. Applied and Environmental Microbiology, 2009, 75, 2122-2131.	1.4	59
86	Signal-mediated interactions between Pseudomonas aeruginosa and Candida albicans. Journal of Medical Microbiology, 2008, 57, 563-569.	0.7	146
87	Manipulation of host Kruppel-like factor (KLF) function by exotoxins from diverse bacterial pathogens. Nature Reviews Microbiology, 2007, 5, 337-341.	13.6	18
88	Molecular cloning and expression analysis of two distinct Î²-glucosidase genes, bg1 and aven1, with very different biological roles from the thermophilic, saprophytic fungus Talaromyces emersonii. Mycological Research, 2007, 111, 840-849.	2.5	34
89	Dual Effects of Plant Steroidal Alkaloids on Saccharomycescerevisiae. Antimicrobial Agents and Chemotherapy, 2006, 50, 2732-2740.	1.4	104
90	Molecular-based strategies to exploit Pseudomonas biocontrol strains for environmental biotechnology applications. FEMS Microbiology Ecology, 2006, 56, 167-177.	1.3	68

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91	Exploiting New Systems-Based Strategies to Elucidate Plant-Bacterial Interactions in the Rhizosphere. Microbial Ecology, 2006, 51, 257-266.	1.4	76
92	Establishment of DsRed.T3_S4T as an improved autofluorescent marker for microbial ecology applications. Environmental Microbiology, 2005, 7, 1818-1825.	1.8	11
93	Transcriptome profiling of bacterial responses to root exudates identifies genes involved in microbe-plant interactions. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17454-17459.	3.3	232
94	Identification of two lysophosphatidic acid acyltransferase genes with overlapping function in Pseudomonas fluorescens. Microbiology (United Kingdom), 2005, 151, 3071-3080.	0.7	46
95	Modulation of quorum sensing in Pseudomonas aeruginosa through alteration of membrane properties. Microbiology (United Kingdom), 2005, 151, 2529-2542.	0.7	86
96	APPLICATIONS OF AUTOFLUORESCENT PROTEINS FOR IN SITU STUDIES IN MICROBIAL ECOLOGY. Annual Review of Microbiology, 2005, 59, 257-277.	2.9	73
97	Genome Diversity of Pseudomonas aeruginosa Isolates from Cystic Fibrosis Patients and the Hospital Environment. Journal of Clinical Microbiology, 2004, 42, 5783-5792.	1.8	170
98	Are microbes at the root of a solution to world food production?. EMBO Reports, 2004, 5, 922-926.	2.0	170
99	What can bacterial genome research teach us about bacteriaâ€“plant interactions?. Current Opinion in Plant Biology, 2004, 7, 137-147.	3.5	61
100	Characterisation of the Saponin Hydrolysing Enzyme Avenacoside-Â-l-rhamnosidase from the fungal pathogen of cereals, Stagonospora avenae. European Journal of Plant Pathology, 2004, 110, 421-427.	0.8	16
101	The Vibrio seventh pandemic island-II is a 26{middle dot}9 kb genomic island present in Vibrio cholerae El Tor and O139 serogroup isolates that shows homology to a 43{middle dot}4 kb genomic island in V. vulnificus. Microbiology (United Kingdom), 2004, 150, 4053-4063.	0.7	86
102	Biosynthesis and Regulation of Anti-Fungal Metabolites by Pseudomonads. , 2004, , 637-670.		12
103	Characterization of Interactions between the Transcriptional Repressor PhlF and Its Binding Site at the phlA Promoter in Pseudomonas fluorescens F113. Journal of Bacteriology, 2002, 184, 3008-3016.	1.0	92
104	Exploitation of genetically modified inoculants for industrial ecology applications. Antonie Van Leeuwenhoek, 2002, 81, 599-606.	0.7	62
105	Pseudomonas for biocontrol of phytopathogens: from functional genomics to commercial exploitation. Current Opinion in Biotechnology, 2001, 12, 289-295.	3.3	268
106	Stagonospora avenae Secretes Multiple Enzymes that Hydrolyze Oat Leaf Saponins. Molecular Plant-Microbe Interactions, 2000, 13, 1041-1052.	1.4	40
107	Fungal Resistance to Plant Antibiotics as a Mechanism of Pathogenesis. Microbiology and Molecular Biology Reviews, 1999, 63, 708-724.	2.9	474
108	Decapping of stabilized, polyadenylated mRNA in yeastpab1 mutants. Yeast, 1999, 15, 687-702.	0.8	33

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109	U14 small nucleolar RNA makes multiple contacts with the pre-ribosomal RNA. Chromosoma, 1997, 105, 515-522.	1.0	5
110	Birth of the snoRNPs: the evolution of RNase MRP and the eukaryotic pre-rRNA-processing system. Trends in Biochemical Sciences, 1995, 20, 78-82.	3.7	138