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List of Publications by Year
in descending order

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83 papers	7,420 citations	185998 28 h-index	82410 72 g-index
85 all docs	85 docs citations	85 times ranked	15997 citing authors

#	Article	IF	Citations
1	A glimpse at an early stage of microbe domestication revealed in the variable genome of <i>Torulaspora delbrueckii</i>, an emergent industrial yeast. Molecular Ecology, 2023, 32, 2396-2412.	2.0	12
2	Whole-Genome Sequencing and Annotation of the Yeast Clavispora santaluciae Reveals Important Insights about Its Adaptation to the Vineyard Environment. Journal of Fungi (Basel, Switzerland), 2022, 8, 52.	1.5	2
3	KRAS as a Modulator of the Inflammatory Tumor Microenvironment: Therapeutic Implications. Cells, 2022, 11, 398.	1.8	23
4	Saccharomyces cerevisiae Cells Lacking the Zinc Vacuolar Transporter Zrt3 Display Improved Ethanol Productivity in Lignocellulosic Hydrolysates. Journal of Fungi (Basel, Switzerland), 2022, 8, 78.	1.5	3
5	Acetic acid triggers cytochrome c release in yeast heterologously expressing human Bax. Apoptosis: an International Journal on Programmed Cell Death, 2022, 27, 368-381.	2.2	5
6	Squaraine Dyes Derived from Indolenine and Benzo[<i>e</i>]indole as Potential Fluorescent Probes for HSA Detection and Antifungal Agents. Photochemistry and Photobiology, 2022, 98, 1402-1417.	1.3	7
7	Torulaspora delbrueckii Phenotypic and Metabolic Profiling towards Its Biotechnological Exploitation. Journal of Fungi (Basel, Switzerland), 2022, 8, 569.	1.5	9
8	Crucial Role of Oncogenic KRAS Mutations in Apoptosis and Autophagy Regulation: Therapeutic Implications. Cells, 2022, 11, 2183.	1.8	18
9	Improvement of Torulaspora delbrueckii Genome Annotation: Towards the Exploitation of Genomic Features of a Biotechnologically Relevant Yeast. Journal of Fungi (Basel, Switzerland), 2021, 7, 287.	1.5	10
10	Identification of novel pentose transporters in Kluyveromyces marxianus using a new screening platform. FEMS Yeast Research, 2021, 21, .	1.1	13
11	Regulation of Cell Death Induced by Acetic Acid in Yeasts. Frontiers in Cell and Developmental Biology, 2021, 9, 642375.	1.8	27
12	The Plasma Membrane at the Cornerstone Between Flexibility and Adaptability: Implications for Saccharomyces cerevisiae as a Cell Factory. Frontiers in Microbiology, 2021, 12, 715891.	1.5	7
13	Development of an automated yeast-based spectrophotometric method for toxicity screening: Application to ionic liquids, GUMBOS, and deep eutectic solvents. Chemosphere, 2021, 277, 130227.	4.2	2
14	Biotechnological Importance of TorulasporaÂdelbrueckii: From the Obscurity to the Spotlight. Journal of Fungi (Basel, Switzerland), 2021, 7, 712.	1.5	22
15	N-(5-Amino-9H-benzo[a]phenoxazin-9-ylidene)propan-1-aminium chlorides as antifungal agents and NIR fluorescent probes. New Journal of Chemistry, 2021, 45, 7808-7815.	1.4	4
16	Novel Nile Blue Analogue Stains Yeast Vacuolar Membrane, Endoplasmic Reticulum, and Lipid Droplets, Inducing Cell Death through Vacuole Membrane Permeabilization. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 Td	1.5	2
17	New NIR dyes based on quinolizino[1,9-hi]phenoxazin-6-iminium chlorides: synthesis, photophysics and antifungal activity. Dyes and Pigments, 2020, 173, 107870.	2.0	3
18	Lactate Induces Cisplatin Resistance in S. cerevisiae through a Rad4p-Dependent Process. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-8.	1.9	1

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19	Benzo[a]phenoxazinium chlorides: Synthesis, antifungal activity, in silico studies and evaluation as fluorescent probes. Bioorganic Chemistry, 2020, 98, 103730.	2.0	8
20	Hexose transport in Torulaspora delbrueckii: identification of Igt1, a new dual-affinity transporter. FEMS Yeast Research, 2020, 20, .	1.1	9
21	Evaluation of Fluorescent Staining Capacity of Two New Nile Blue Analogues. Chemistry Proceedings, 2020, 3, .	0.1	0
22	Two Symmetrical Squarylium Cyanine Dyes: Synthesis, Photophysics and Antifungal Activity in Saccharomyces cerevisiae. Chemistry Proceedings, 2020, 3, .	0.1	0
23	Contacts in Death: The Role of the ERâ€"Mitochondria Axis in Acetic Acid-Induced Apoptosis in Yeast. Journal of Molecular Biology, 2019, 431, 273-288.	2.0	12
24	Proteasome inhibition prevents cell death induced by the chemotherapeutic agent cisplatin downstream of DNA damage. DNA Repair, 2019, 73, 28-33.	1.3	11
25	Phenolic Imidazole Derivatives with Dual Antioxidant/Antifungal Activity: Synthesis and Structure-Activity Relationship. Medicinal Chemistry, 2019, 15, 341-351.	0.7	9
26	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	1.4	158
27	New Nitrogen Compounds Coupled to Phenolic Units with Antioxidant and Antifungal Activities: Synthesis and Structureâ€"Activity Relationship. Molecules, 2018, 23, 2530.	1.7	9
28	The Yeast Saccharomyces cerevisiae as a Model for Understanding RAS Proteins and their Role in Human Tumorigenesis. Cells, 2018, 7, 14.	1.8	33
29	New Nile Blue Derivatives as NIR Fluorescent Probes and Antifungal Agents. Proceedings (mdpi), 2018, 9, .	0.2	0
30	Integrating transcriptomics and metabolomics for the analysis of the aroma profiles of Saccharomyces cerevisiae strains from diverse origins. BMC Genomics, 2017, 18, 455.	1.2	33
31	Nitrogen and carbon source balance determines longevity, independently of fermentative or respiratory metabolism in the yeast <i>Saccharomyces cerevisiae</i>. Oncotarget, 2016, 7, 23033-23042.	0.8	11
32	Dietary Restriction and Nutrient Balance in Aging. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	41
33	Regulation of Bax/mitochondria interaction by AKT. FEBS Letters, 2016, 590, 13-21.	1.3	37
34	Synthesis and photophysical studies of new benzo[a]phenoxazinium chlorides as potential antifungal agents. Tetrahedron Letters, 2016, 57, 3936-3941.	0.7	12
35	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
36	VDAC regulates AAC-mediated apoptosis and cytochrome c release in yeast. Microbial Cell, 2016, 3, 500-510.	1.4	20

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37	Ammonium is a key determinant on the dietary restriction of yeast chronological aging in culture medium. Oncotarget, 2015, 6, 6511-6523.	0.8	20
38	Colorectal cancer-related mutant <i>KRAS</i> alleles function as positive regulators of autophagy. Oncotarget, 2015, 6, 30787-30802.	0.8	39
39	Cell wall dynamics modulate acetic acid-induced apoptotic cell death of Saccharomyces cerevisiae. Microbial Cell, 2014, 1, 303-314.	1.4	21
40	<i>Mentha piperita</i>essential oil induces apoptosis in yeast associated with both cytosolic and mitochondrial ROS-mediated damage. FEMS Yeast Research, 2014, 14, n/a-n/a.	1.1	39
41	The yeast model system as a tool towards the understanding of apoptosis regulation by sphingolipids. FEMS Yeast Research, 2014, 14, 160-178.	1.1	38
42	The yeast model system as a tool towards the understanding of apoptosis regulation by sphingolipids. FEMS Yeast Research, 2014, 14, 995-995.	1.1	0
43	The Genome Sequence of the Highly Acetic Acid-Tolerant Zygosaccharomyces bailii-Derived Interspecies Hybrid Strain ISA1307, Isolated From a Sparkling Wine Plant. DNA Research, 2014, 21, 299-313.	1.5	62
44	Genome-wide identification of genes involved in the positive and negative regulation of acetic acid-induced programmed cell death in Saccharomyces cerevisiae. BMC Genomics, 2013, 14, 838.	1.2	50
45	The protective role of yeast Cathepsin D in acetic acidâ€induced apoptosis depends on ANT (Aac2p) but not on the voltageâ€dependent channel (Por1p). FEBS Letters, 2013, 587, 200-205.	1.3	21
46	Ammonium-Dependent Shortening of CLS in Yeast Cells Starved for Essential Amino Acids Is Determined by the Specific Amino Acid Deprived, through Different Signaling Pathways. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-10.	1.9	14
47	C2-Phytoceramide Perturbs Lipid Rafts and Cell Integrity in Saccharomyces cerevisiae in a Sterol-Dependent Manner. PLoS ONE, 2013, 8, e74240.	1.1	9
48	Ammonium Is Toxic for Aging Yeast Cells, Inducing Death and Shortening of the Chronological Lifespan. PLoS ONE, 2012, 7, e37090.	1.1	42
49	The Fate of Acetic Acid during Glucose Co-Metabolism by the Spoilage Yeast Zygosaccharomyces bailii. PLoS ONE, 2012, 7, e52402.	1.1	33
50	Growth Culture Conditions and Nutrient Signaling Modulating Yeast Chronological Longevity. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-10.	1.9	14
51	Modulation of Mitochondrial Outer Membrane Permeabilization and Apoptosis by Ceramide Metabolism. PLoS ONE, 2012, 7, e48571.	1.1	47
52	Vacuoleâ€"mitochondrial cross-talk during apoptosis in yeast: a model for understanding lysosomeâ€"mitochondria-mediated apoptosis in mammals. Biochemical Society Transactions, 2011, 39, 1533-1537.	1.6	16
53	Vacuoleâ€"mitochondrial cross-talk during apoptosis in yeast: a model for understanding lysosomeâ€"mitochondria-mediated apoptosis in mammals. Biochemical Society Transactions, 2011, 39, 1901-1901.	1.6	0
54	The impact of acetate metabolism on yeast fermentative performance and wine quality: reduction of volatile acidity of grape musts and wines. Applied Microbiology and Biotechnology, 2011, 89, 271-280.	1.7	79

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55	Mitochondrial degradation in acetic acid-induced yeast apoptosis: the role of Pep4 and the ADP/ATP carrier. Molecular Microbiology, 2010, 76, 1398-1410.	1.2	75
56	Small heat-shock protein Hsp12 contributes to yeast tolerance to freezing stress. Microbiology (United Kingdom), 2009, 155, 2021-2028.	0.7	52
57	Improved gene disruption method for<i>Torulaspora delbrueckii</i>. FEMS Yeast Research, 2009, 9, 158-160.	1.1	9
58	Synthesis of naphtho[2,3-a]phenoxazinium chlorides: Structureâ€"activity relationships of these heterocycles and benzo[a]phenoxazinium chlorides as new antimicrobials. Bioorganic and Medicinal Chemistry, 2008, 16, 3274-3282.	1.4	19
59	Mitochondria-dependent apoptosis in yeast. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1286-1302.	1.9	120
60	Ethanol tolerance of sugar transport, and the rectification of stuck wine fermentations. Microbiology (United Kingdom), 2008, 154, 422-430.	0.7	64
61	Sugar utilization patterns and respiro-fermentative metabolism in the baker's yeast Torulaspora delbrueckii. Microbiology (United Kingdom), 2007, 153, 898-904.	0.7	55
62	Synthesis, characterisation and antimicrobial activity of new benzo[a]phenoxazine based fluorophores. Tetrahedron Letters, 2007, 48, 8347-8352.	0.7	28
63	ADP/ATP carrier is required for mitochondrial outer membrane permeabilization and cytochrome <i>c</i> release in yeast apoptosis. Molecular Microbiology, 2007, 66, 571-582.	1.2	128
64	YCA1 participates in the acetic acid induced yeast programmed cell death also in a manner unrelated to its caspase-like activity. FEBS Letters, 2006, 580, 6880-6884.	1.3	71
65	Isolation and characterization of theLGT1gene encoding a low-affinity glucose transporter fromTorulaspora delbrueckii. Yeast, 2005, 22, 165-175.	0.8	15
66	Cloning and characterization of the gene encoding a high-affinity maltose transporter from. FEMS Yeast Research, 2004, 4, 467-476.	1.1	16
67	Freeze tolerance of the yeastTorulaspora delbrueckii: cellular and biochemical basis. FEMS Microbiology Letters, 2004, 240, 7-14.	0.7	40
68	Isolation of an acetyl-CoA synthetase gene(ZbACS2) fromZygosaccharomyces bailii. Yeast, 2004, 21, 325-331.	0.8	13
69	The Spoilage Yeast Zygosaccharomyces bailii Forms Mitotic Spores: a Screening Method for Haploidization. Applied and Environmental Microbiology, 2003, 69, 649-653.	1.4	25
70	Activity of Essential Oils from Mediterranean Lamiaceae Species against Food Spoilage Yeasts. Journal of Food Protection, 2003, 66, 625-632.	0.8	46
71	Zygosaccharomyces bailii: A Yeast With a Peculiar Pattern for the Regulation of Acetic Acid Metabolism in the Presence of Glucose. , 2003, , 409-416.		0
72	Construction of a genomic library of the food spoilage yeast and isolation of the ?-isopropylmalate dehydrogenase gene (). FEMS Yeast Research, 2001, 1, 67-71.	1.1	0

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73	Saccharomyces cerevisiae commits to a programmed cell death process in response to acetic acid. Microbiology (United Kingdom), 2001, 147, 2409-2415.	0.7	467
74	Rapid detection of efflux pumps and their relation with drug resistance in yeast cells. , 2000, 39, 26-35.		25
75	Yeasts as a model for assessing the toxicity of the fungicides Penconazol, Cymoxanil and Dichlofluanid. Chemosphere, 2000, 41, 1637-1642.	4.2	44
76	Cell Cycle Analysis of Yeasts. Current Protocols in Cytometry, 2000, 13, Unit 11.13.	3.7	23
77	Mechanisms underlying the transport and intracellular metabolism of acetic acid in the presence of glucose in the yeast Zygosaccharomyces bailii. Microbiology (United Kingdom), 1998, 144, 665-670.	0.7	89
78	Transport of acetic acid in Zygosaccharomyces bailii: effects of ethanol and their implications on the resistance of the yeast to acidic environments. Applied and Environmental Microbiology, 1996, 62, 3152-3157.	1.4	82
79	Must deacidification with an induced flocculant yeast strain of Schizosaccharomyces pombe. Applied Microbiology and Biotechnology, 1993, 39, 189.	1.7	10
80	Transport of malic acid in the yeastSchizosaccharomyces pombe: Evidence for proton-dicarboxylate symport. Yeast, 1992, 8, 1025-1031.	0.8	58
81	Differences in the flocculation mechanism ofKluyveromyces marxianus andSaccharomyces cerevisiae. Biotechnology Letters, 1992, 14, 213-218.	1.1	15
82	The Emerging Role of the Yeast Torulaspora delbrueckii in Bread and Wine Production: Using Genetic Manipulation to Study Molecular Basis of Physiological Responses. , 0, , .		12
83	Benzo[a]phenoxazinium chlorides functionalized with chloride atoms and/or ester groups. , 0, , .		0