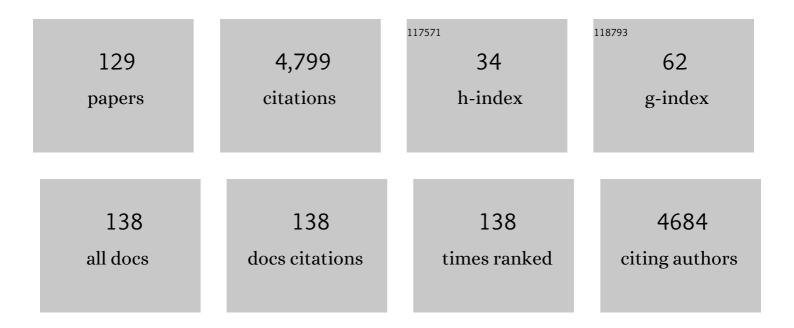
## Pietro Buzzini

List of Publications by Year in descending order

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DIETRO RUZZINI

1.4

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#	Article	IF	CITATIONS
1	Antimicrobial and Antiviral Activity of Hydrolysable Tannins. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1179-1187.	1.1	241
2	Psychrophilic yeasts from worldwide glacial habitats: diversity, adaptation strategies and biotechnological potential. FEMS Microbiology Ecology, 2012, 82, 217-241.	1.3	231
3	Bacteria and yeast microbiota in milk kefir grains from different Italian regions. Food Microbiology, 2015, 49, 123-133.	2.1	202
4	Extracellular enzymatic activity profiles in yeast and yeast-like strains isolated from tropical environments. Journal of Applied Microbiology, 2002, 93, 1020-1025.	1.4	167
5	Psychrophilic yeasts in glacial environments of Alpine glaciers. FEMS Microbiology Ecology, 2008, 63, 73-83.	1.3	155
6	Biodiversity of cold-adapted yeasts from glacial meltwater rivers in Patagonia, Argentina. FEMS Microbiology Ecology, 2007, 59, 331-341.	1.3	141
7	Production of carotenoids by strains of Rhodotorula glutinis cultured in raw materials of agro-industrial origin. Bioresource Technology, 2000, 71, 41-44.	4.8	139
8	Carotenoid profiles of yeasts belonging to the genera <i>Rhodotorula</i> , <i>Rhodosporidium</i> , <i>Sporobolomyces</i> , and <i>Sporidiobolus</i> . Canadian Journal of Microbiology, 2007, 53, 1024-1031.	0.8	139
9	Cold-adapted yeasts from Antarctica and the Italian Alps—description of three novel species: Mrakia robertii sp. nov., Mrakia blollopis sp. nov. and Mrakiella niccombsii sp. nov Extremophiles, 2010, 14, 47-59.	0.9	137
10	Yeast and yeast-like diversity in the southernmost glacier of Europe (Calderone Glacier, Apennines,) Tj ETQq0 0 0	rgBT /Ove 1.3	rlock 10 Tf 5 124
11	Psychrophilic yeasts from Antarctica and European glaciers: description of Glaciozyma gen. nov., Glaciozyma martinii sp. nov. and Glaciozyma watsonii sp. nov Extremophiles, 2011, 15, 573-586.	0.9	114
12	Extracellular enzymatic activities of basidiomycetous yeasts isolated from glacial and subglacial waters of northwest Patagonia (Argentina). Canadian Journal of Microbiology, 2007, 53, 519-525.	0.8	105
13	Production of volatile organic compounds (VOCs) by yeasts isolated from the ascocarps of black (Tuber melanosporum Vitt.) and white (Tuber magnatum Pico) truffles. Archives of Microbiology, 2005, 184, 187-193.	1.0	104
14	Red yeasts and carotenoid production: outlining a future for non-conventional yeasts of biotechnological interest. World Journal of Microbiology and Biotechnology, 2015, 31, 1665-1673.	1.7	95
15	Growth, lipid accumulation, and fatty acid composition in obligate psychrophilic, facultative psychrophilic, and mesophilic yeasts. FEMS Microbiology Ecology, 2009, 69, 363-372.	1.3	87
	Optimization of carotenoid production by Rhodotorula graminis DBVPG 7021 as a function of trace		

16	element concentration by means of response surface analysis. Enzyme and Microbial Technology, 2005, 36, 687-692.	1.6	74
17	Analysis of condensed and hydrolysable tannins from commercial plant extracts. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 415-420.	1.4	69

18 Batch and fed-batch carotenoid production by Rhodotorula glutinis-Debaryomyces castellii co-cultures in corn syrup. Journal of Applied Microbiology, 2001, 90, 843-847.

#	Article	IF	CITATIONS
19	Extremophilic yeasts: the toughest yeasts around?. Yeast, 2018, 35, 487-497.	0.8	67
20	Searching for eukaryotic life preserved in Antarctic permafrost. Polar Biology, 2012, 35, 749-757.	0.5	62
21	Influence of exogenous organic matter on prokaryotic and eukaryotic microbiota in an agricultural soil. A multidisciplinary approach. Soil Biology and Biochemistry, 2015, 82, 9-20.	4.2	60
22	An optimization study of carotenoid production by Rhodotorula glutinis DBVPG 3853 from substrates containing concentrated rectified grape must as the sole carbohydrate source. Journal of Industrial Microbiology and Biotechnology, 2000, 24, 41-45.	1.4	59
23	Influence of abiotic variables on culturable yeast diversity in two distinct Alpine glaciers. FEMS Microbiology Ecology, 2013, 86, 327-340.	1.3	56
24	Antarctic Cryptoendolithic Fungal Communities Are Highly Adapted and Dominated by Lecanoromycetes and Dothideomycetes. Frontiers in Microbiology, 2018, 9, 1392.	1.5	53
25	Carotenoids and Some Other Pigments from Fungi and Yeasts. Metabolites, 2021, 11, 92.	1.3	53
26	A study on volatile organic compounds (VOCs) produced by tropical ascomycetous yeasts. Antonie Van Leeuwenhoek, 2003, 84, 301-311.	0.7	48
27	Molecular characterization of Prototheca strains isolated from Italian dairy herds. Journal of Dairy Science, 2010, 93, 4625-4631.	1.4	44
28	Description of Holtermanniella gen. nov., including Holtermanniella takashimae sp. nov. and four new combinations, and proposal of the order Holtermanniales to accommodate tremellomycetous yeasts of the Holtermannia clade. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 680-689.	0.8	44
29	Seasonal and altitudinal changes of culturable bacterial and yeast diversity in Alpine forest soils. Extremophiles, 2016, 20, 855-873.	0.9	43
30	Biotransformation of electron-poor alkenes by yeasts: Asymmetric reduction of (4S)-(+)-carvone by yeast enoate reductases. Enzyme and Microbial Technology, 2009, 45, 463-468.	1.6	42
31	Large-scale screening of selected <i>Candida maltosa</i> , <i>Debaryomyces hansenii</i> and <i>Pichia anomala</i> killer toxin activity against pathogenic yeasts. Medical Mycology, 2001, 39, 479-482.	0.3	41
32	First large-scale isolation of Prototheca zopfii from milk produced by dairy herds in Italy. Mycopathologia, 2004, 158, 427-430.	1.3	39
33	In vitro antimycotic activity of some plant extracts towards yeast and yeast-like strains. Phytotherapy Research, 2005, 19, 44-49.	2.8	39
34	Effect of environmental parameters on biodiversity of the fungal component in lithic Antarctic communities. Extremophiles, 2017, 21, 1069-1080.	0.9	38
35	Biodiversity of killer activity in yeasts isolated from the Brazilian rain forest. Canadian Journal of Microbiology, 2000, 46, 607-611.	0.8	37
36	Non-Conventional Yeasts Whole Cells as Efficient Biocatalysts for the Production of Flavors and Fragrances. Molecules, 2015, 20, 10377-10398.	1.7	35

# ARTICLE IF CITATIONS Adaptation of fungi, including yeasts, to cold environments. Plant Biosystems, 2013, 147, 247-258. 34 Yeasts in Polar and Subpolar Habitats., 2017, , 331-365. 38 34 Description of Taphrina antarctica f.a. sp. nov., a new anamorphic ascomycetous yeast species associated with Antarctic endolithic microbial communities and transfer of four Lalaria species in the genus Taphrina. Extremophiles, 2014, 18, 707-721. Preservation, Characterization and Exploitation of Microbial Biodiversity: The Perspective of the 40 1.6 33 Italian Network of Culture Collections. Microorganisms, 2019, 7, 685. The use of killer sensitivity patterns for biotyping yeast strains: the state of the art, potentialities and limitations. FEMS Yeast Research, 2007, 7, 749-760. 1.1 Bioreduction of  $\hat{l}_{\pm}$ ,  $\hat{l}^2$ -unsaturated ketones and aldehydes by non-conventional yeast (NCY) whole-cells. 42 4.8 32 Bioresource Technology, 2011, 102, 3993-3998. First outbreak of bovine mastitis caused by Prototheca blaschkeae. Veterinary Microbiology, 2013, 162, 0.8 997-999. Characterization of basidiomycetous yeasts in hypersaline soils of the Urmia Lake National Park, Iran. 44 0.9 32 Extremophiles, 2016, 20, 915-928. Aminopyrrolic Synthetic Receptors for Monosaccharides: A Class of Carbohydrateâ€Binding Agents Endowed with Antibiotic Activity versus Pathogenic Yeasts. Chemistry - A European Journal, 2012, 18, 5064-5072. Taxonomic and phenotypic characterization of yeasts isolated from worldwide cold rock-associated 46 1.1 31 habitats. Fungal Biology, 2014, 118, 61-71. Discrimination between Candida albicans and Other Pathogenic Species of the Genus Candida by Their Differential Sensitivities to Toxins of a Panel of Killer Yeasts. Journal of Clinical Microbiology, 2001, 1.8 39, 3362-3364. In vitro antimycotic activity of a Williopsis saturnus killer protein against food spoilage yeasts. 48 2.1 30 International Journal of Food Microbiology, 2009, 131, 178-182. Yeasts in Natural Ecosystems: Diversity., 2017,,. 30 Utilization of grape must and concentrated rectified grape must to produce gluconic acid by 50 1.1 29 Aspergillus niger, in batch fermentations. Biotechnology Letters, 1993, 15, 151-156. Ex situ conservation and exploitation of fungi in Italy. Plant Biosystems, 2011, 145, 997-1005. Multicentre Etest evaluation of in vitro activity of conventional antifungal drugs against European 52 1.328 bovine mastitis Prototheca spp. isolates. Journal of Antimicrobial Chemotherapy, 2012, 67, 1945-1947. Early ecological succession patterns of bacterial, fungal and plant communities along a chronosequence in a recently deglaciated area of the Italian Alps. FEMS Microbiology Ecology, 2020, 1.3 28 96,. Culturable yeasts in meltwaters draining from two glaciers in the Italian Alps. Annals of Glaciology, 54 2.8 27 2005, 40, 119-122.

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55	Production of volatile organic sulfur compounds (VOSCs) by basidiomycetous yeasts. FEMS Yeast Research, 2005, 5, 379-385.	1.1	27
56	Production of Flavours and Fragrances via Bioreduction of (4R)-(-)-Carvone and (1R)-(-)-Myrtenal by Non-Conventional Yeast Whole-Cells. Molecules, 2013, 18, 5736-5748.	1.7	26
57	Biotransformation of Acyclic Monoterpenoids by <i>Debaryomyces</i> sp., <i>Kluyveromyces</i> sp., and <i>Pichia</i> sp. Strains of Environmental Origin. Chemistry and Biodiversity, 2008, 5, 471-483.	1.0	25
58	Technological Steps and Yeast Biomass as Factors Affecting the Lipid Content of Beer during the Brewing Process. Journal of Agricultural and Food Chemistry, 2009, 57, 6279-6284.	2.4	25
59	Differential growth inhibition as a tool to increase the discriminating power of killer toxin sensitivity in fingerprinting of yeasts. FEMS Microbiology Letters, 2000, 193, 31-36.	0.7	24
60	Cryptococcus vaughanmartiniae sp. nov. and Cryptococcus onofrii sp. nov.: two new species isolated from worldwide cold environments. Extremophiles, 2015, 19, 149-159.	0.9	23
61	Cold-Adapted Yeasts: A Lesson from the Cold and a Challenge for the XXI Century. , 2014, , 3-22.		23
62	Characterization of the in vitro antimycotic activity of a novel killer protein fromWilliopsis saturnusDBVPG 4561 against emerging pathogenic yeasts. FEMS Microbiology Letters, 2004, 238, 359-365.	0.7	22
63	Short Communication: Isolation of Prototheca Species Strains from Environmental Sources in Dairy Herds. Journal of Dairy Science, 2008, 91, 3474-3477.	1.4	22
64	Cold-adapted Yeasts. , 2014, , .		22
65	A novel killer protein from Pichia kluyveri isolated from an Algerian soil: purification and characterization of its in vitro activity against food and beverage spoilage yeasts. Antonie Van Leeuwenhoek, 2015, 107, 961-970.	0.7	22
66	Application of anhydrobiosis and dehydration of yeasts for non-conventional biotechnological goals. World Journal of Microbiology and Biotechnology, 2016, 32, 104.	1.7	22
67	Yeast lipids from cardoon stalks, stranded driftwood and olive tree pruning residues as possible extra sources of oils for producing biofuels and biochemicals. Biotechnology for Biofuels, 2018, 11, 147.	6.2	22
68	Utilisation of Differential Killer Toxin Sensitivity Patterns for Fingerprinting and Clustering Yeast Strains Belonging to Different Genera. Systematic and Applied Microbiology, 2000, 23, 450-457.	1.2	21
69	Yeast Biodiversity and Biotechnology. , 2006, , 533-559.		21
70	Production and Properties of a Thermostable, pH—Stable Exo-Polygalacturonase Using Aureobasidium pullulans Isolated from Saharan Soil of Algeria Grown on Tomato Pomace. Foods, 2016, 5, 72.	1.9	21
71	A thin ice layer segregates two distinct fungal communities in Antarctic brines from Tarn Flat (Northern Victoria Land). Scientific Reports, 2018, 8, 6582.	1.6	21
72	Large-scale screening of selected Candida maltosa, Debaryomyces hansenii and Pichia anomala killer toxin activity against pathogenic yeasts. Medical Mycology, 2001, 39, 479-482.	0.3	21

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73	Antimicrobial activity of extracts of Clematis vitalba towards pathogenic yeast and yeast-like microorganisms. Fìtoterapìâ, 2003, 74, 397-400.	1.1	20
74	Large-scale screening of the <i>in vitro</i> susceptibility of <i>Protothecazopfii</i> towards polyene antibiotics. Medical Mycology, 2008, 46, 511-514.	0.3	20
75	A rapid real-time PCR/DNA resolution melting method to identify Prototheca species. Journal of Applied Microbiology, 2011, 110, 27-34.	1.4	20
76	Rare and undersampled dimorphic basidiomycetes. Mycological Progress, 2019, 18, 945-971.	0.5	20
77	Description of Dioszegia patagonica sp. nov., a novel carotenogenic yeast isolated from cold environments. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4332-4339.	0.8	20
78	Characterization of the in vitro antimycotic activity of a novel killer protein from DBVPG 4561 against emerging pathogenic yeasts. FEMS Microbiology Letters, 2004, 238, 359-365.	0.7	19
79	Use of RAPD and killer toxin sensitivity in Saccharomyces cerevisiae strain typing. Journal of Applied Microbiology, 2005, 99, 609-617.	1.4	19
80	Antagonistic Interactions and Killer Yeasts. , 2017, , 229-275.		18
81	Yeasts from temperate forests. Yeast, 2022, 39, 4-24.	0.8	18
82	Study of Holtermanniella wattica, Leucosporidium creatinivorum, Naganishia adeliensis, Solicoccozyma aeria, and Solicoccozyma terricola for their lipogenic aptitude from different carbon sources. Biotechnology for Biofuels, 2016, 9, 259.	6.2	16
83	Prediction of the environmental impacts of yeast biodiesel production from cardoon stalks at industrial scale. Fuel, 2021, 283, 118967.	3.4	16
84	Fingerprinting of Yeasts at the Strain Level by Differential Sensitivity Responses to a Panel of Selected Killer Toxins. Systematic and Applied Microbiology, 2003, 26, 466-470.	1.2	14
85	O-Methylglucogalloyl esters: Synthesis and evaluation of their antimycotic activity. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4000-4003.	1.0	13
86	Catechins and Proanthocyanidins: Naturally Occurring O-Heterocycles with Antimicrobial Activity. Topics in Heterocyclic Chemistry, 2007, , 239-263.	0.2	13
87	Cystobasidium alpinum sp. nov. and Rhodosporidiobolus oreadorum sp. nov. from European Cold Environments and Arctic Region. Life, 2018, 8, 9.	1.1	13
88	Fungal diversity and functionality are driven by soil texture in Taylor Valley, Antarctica. Fungal Ecology, 2021, 50, 101041.	0.7	13
89	Nomenclatural issues concerning cultured yeasts and other fungi: why it is important to avoid unneeded name changes. IMA Fungus, 2021, 12, 18.	1.7	13
90	Yeasts in Natural Ecosystems: Ecology. , 2017, , .		12

90 Yeasts in Natural Ecosystems: Ecology. , 2017, , .

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91	A comparative study of the in vitro activity of iodopropynyl butylcarbamate and amphotericin B against Prototheca spp. isolates from European dairy herds. Journal of Dairy Science, 2017, 100, 7435-7445.	1.4	12
92	Uncovered Microbial Diversity in Antarctic Cryptoendolithic Communities Sampling Three Representative Locations of the Victoria Land. Microorganisms, 2020, 8, 942.	1.6	12
93	Cold-Adapted Yeasts: A Lesson from the Cold and a Challenge for the XXI Century. , 2014, , 3-22.		12
94	Changes in Lipids Composition and Fluidity of Yeast Plasma Membrane as Response to Cold. , 2014, , 225-242.		12
95	Antimycotic activity of 4-thioisosteres of flavonoids towards yeast and yeast-like microorganisms. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3731-3733.	1.0	11
96	Response surface methodology as optimization strategy for asymmetric bioreduction of (4S)-(+)-carvone by Cryptococcus gastricus. Bioresource Technology, 2012, 121, 290-297.	4.8	11
97	Cold-Active Enzymes from Cold-Adapted Yeasts. , 2017, , 297-324.		11
98	Yeasts in Nonpolar Cold Habitats. , 2017, , 367-396.		10
99	Intra―and interâ€eores fungal diversity suggests interconnection of different habitats in an Antarctic frozen lake (Boulder Clay, Northern Victoria Land). Environmental Microbiology, 2020, 22, 3463-3477.	1.8	10
100	DNA Methylation Changes Induced by Cold in Psychrophilic and Psychrotolerant Naganishia Yeast Species. Microorganisms, 2020, 8, 296.	1.6	10
101	Abiotic factors affecting the bacterial and fungal diversity of permafrost in a rock glacier in the Stelvio Pass (Italian Central Alps). Applied Soil Ecology, 2021, 166, 104079.	2.1	10
102	Chemoenzymatic and yeast-catalysed synthesis of diastereomeric ethyl γ-phenyl and γ-(n-pyridyl)paraconates. Tetrahedron: Asymmetry, 2008, 19, 2026-2036.	1.8	9
103	Anhydrobiosis in yeasts: Psychrotolerant yeasts are highly resistant to dehydration. Yeast, 2019, 36, 375-379.	0.8	9
104	Non-Conventional Yeasts as Sources of Ene-Reductases for the Bioreduction of Chalcones. Fermentation, 2020, 6, 29.	1.4	9
105	Techno-Economic Analysis of Biodiesel Production from Microbial Oil Using Cardoon Stalks as Carbon Source. Energies, 2021, 14, 1473.	1.6	9
106	Growth Forms and Functional Guilds Distribution of Soil Fungi in Coastal Versus Inland Sites of Victoria Land, Antarctica. Biology, 2021, 10, 320.	1.3	9
107	Changes in Lipids Composition and Fluidity of Yeast Plasma Membrane as Response to Cold. , 2014, , 225-242.		9
108	Production of flavoured volatile organic compounds (VOCs) by Candida oleophila GK10. Enzyme and Microbial Technology, 2003, 33, 668-675.	1.6	8

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109	Assessment of discriminatory power of three different fingerprinting methods based on killer toxin sensitivity for the differentiation of Saccharomyces cerevisiae strains. Journal of Applied Microbiology, 2004, 96, 1194-1201.	1.4	8
110	Activity of the α-glucoside transporter Agt1 in Saccharomyces cerevisiae cells during dehydration-rehydration events. Fungal Biology, 2018, 122, 613-620.	1.1	8
111	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 377-381.	1.7	7
112	Dynamics of in situ growth and taxonomic structure of fungal communities in Alpine supraglacial debris. Fungal Ecology, 2020, 44, 100891.	0.7	7
113	Mrakia stelviica sp. nov. and Mrakia montana sp. nov., two novel basidiomycetous yeast species isolated from cold environments. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4704-4713.	0.8	7
114	Application of the response surface methodology (RSM) for optimizing the production of volatile organic compounds (VOCs) by Trichosporon moniliiforme. Enzyme and Microbial Technology, 2006, 39, 1341-1346.	1.6	6
115	Yeasts in Continental and Seawater. , 2017, , 1-61.		6
116	Nonconventional Yeast-Promoted Biotransformation for the Production of Flavor Compounds. , 2018, , 165-187.		6
117	Rapid method for screening enoate reductase activity in yeasts. Journal of Microbiological Methods, 2010, 83, 106-110.	0.7	4
118	Non-conventional Yeasts for Producing Alternative Beers. , 2019, , 361-388.		4
119	Cold-Adapted Basidiomycetous Yeasts as a Source of Biochemicals. , 2017, , 555-584.		4
120	Fungal and Bacterial Diversity in the Tuber magnatum Ecosystem and Microbiome. Microbial Ecology, 2022, , 1.	1.4	4
121	Triacyl Glycerols from Yeast-Catalyzed Batch and Fed-Batch Bioconversion of Hydrolyzed Lignocellulose from Cardoon Stalks. Fermentation, 2021, 7, 315.	1.4	4
122	Optimization of enzymatic hydrolysis of cellulosic fraction obtained from stranded driftwood feedstocks for lipid production by Solicoccozyma terricola. Biotechnology Reports (Amsterdam,) Tj ETQq0 0 0	rgBT2/@verl	lock310 Tf 50 2
123	Cold-Adapted Yeasts in Alpine and Apennine Glaciers. , 2014, , 99-122.		3
124	Fungal communities in European alpine soils are not affected by shortâ€ŧerm <i>in situ</i> simulated warming than bacterial communities. Environmental Microbiology, 0, , .	1.8	3
125	Differential growth inhibition as a tool to increase the discriminating power of killer toxin sensitivity in fingerprinting of yeasts. FEMS Microbiology Letters, 2000, 193, 31-36.	0.7	2
126	In Vitro Radical Scavenging and Anti-Yeast Activity of Extracts from Leaves of Aloe Species Growing in Congo. Natural Product Communications, 2008, 3, 1934578X0800301.	0.2	1

#	Article	IF	CITATIONS
127	In Vitro Synergistic Anti-yeast Activity between Galloyl Derivatives and Amphotericin B. Natural Products Journal, 2013, 3, 131-139.	0.1	1
128	Identification of culturable psychrophilic yeasts isolated from sediments and melt waters of the Calderone Glacier (Italy). , 2009, , .		0
129	Cold-Adapted Yeasts in Alpine and Apennine Glaciers. , 2014, , 99-122.		Ο