Pietro Buzzini

List of Publications by Year
in descending order

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129	4,799	117571	118793
papers	citations	34	62
		h-index	g-index

138	138	138	4684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Yeasts from temperate forests. Yeast, 2022, 39, 4-24.	0.8	18
2	Fungal and Bacterial Diversity in the Tuber magnatum Ecosystem and Microbiome. Microbial Ecology, 2022, , 1.	1.4	4
3	Prediction of the environmental impacts of yeast biodiesel production from cardoon stalks at industrial scale. Fuel, 2021, 283, 118967.	3.4	16
4	Carotenoids and Some Other Pigments from Fungi and Yeasts. Metabolites, 2021, 11, 92.	1.3	53
5	Techno-Economic Analysis of Biodiesel Production from Microbial Oil Using Cardoon Stalks as Carbon Source. Energies, 2021, 14, 1473.	1.6	9
6	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
7	Fungal diversity and functionality are driven by soil texture in Taylor Valley, Antarctica. Fungal Ecology, 2021, 50, 101041.	0.7	13
8	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
9	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
10	Triacyl Glycerols from Yeast-Catalyzed Batch and Fed-Batch Bioconversion of Hydrolyzed Lignocellulose from Cardoon Stalks. Fermentation, 2021, 7, 315.	1.4	4
11	Dynamics of in situ growth and taxonomic structure of fungal communities in Alpine supraglacial debris. Fungal Ecology, 2020, 44, 100891.	0.7	7
12	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, 96, .	1.3	28
13	Intraâ€•and interâ€cores 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
14	Uncovered Microbial Diversity in Antarctic Cryptoendolithic Communities Sampling Three Representative Locations of the Victoria Land. Microorganisms, 2020, 8, 942.	1.6	12
15	Non-Conventional Yeasts as Sources of Ene-Reductases for the Bioreduction of Chalcones. Fermentation, 2020, 6, 29.	1.4	9
16	DNA Methylation Changes Induced by Cold in Psychrophilic and Psychrotolerant Naganishia Yeast Species. Microorganisms, 2020, 8, 296.	1.6	10
17	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
18	Non-conventional Yeasts for Producing Alternative Beers. , 2019, , 361-388.		4

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19	Optimization of enzymatic hydrolysis of cellulosic fraction obtained from stranded driftwood feedstocks for lipid production by Solicoccozyma terricola. Biotechnology Reports (Amsterdam,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	8
20	Rare and undersampled dimorphic basidiomycetes. Mycological Progress, 2019, 18, 945-971.	0.5	20
21	Anhydrobiosis in yeasts: Psychrotolerant yeasts are highly resistant to dehydration. Yeast, 2019, 36, 375-379.	0.8	9
22	Preservation, Characterization and Exploitation of Microbial Biodiversity: The Perspective of the Italian Network of Culture Collections. Microorganisms, 2019, 7, 685.	1.6	33
23	Extremophilic yeasts: the toughest yeasts around?. Yeast, 2018, 35, 487-497.	0.8	67
24	Activity of the Î±-glucoside transporter Agt1 in Saccharomyces cerevisiae cells during dehydration-rehydration events. Fungal Biology, 2018, 122, 613-620.	1.1	8
25	Nonconventional Yeast-Promoted Biotransformation for the Production of Flavor Compounds. , 2018, , 165-187.		6
26	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
27	Antarctic Cryptoendolithic Fungal Communities Are Highly Adapted and Dominated by Lecanoromycetes and Dothideomycetes. Frontiers in Microbiology, 2018, 9, 1392.	1.5	53
28	Cystobasidium alpinum sp. nov. and Rhodosporidiobolus oreadorum sp. nov. from European Cold Environments and Arctic Region. Life, 2018, 8, 9.	1.1	13
29	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
30	Yeasts in Natural Ecosystems: Ecology. , 2017, , .		12
31	Effect of environmental parameters on biodiversity of the fungal component in lithic Antarctic communities. Extremophiles, 2017, 21, 1069-1080.	0.9	38
32	Yeasts in Nonpolar Cold Habitats. , 2017, , 367-396.		10
33	Antagonistic Interactions and Killer Yeasts. , 2017, , 229-275.		18
34	Yeasts in Continental and Seawater. , 2017, , 1-61.		6
35	Yeasts in Polar and Subpolar Habitats. , 2017, , 331-365.		34
36	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

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37	Cold-Adapted Basidiomycetous Yeasts as a Source of Biochemicals. , 2017, , 555-584.		4
38	Cold-Active Enzymes from Cold-Adapted Yeasts. , 2017, , 297-324.		11
39	Yeasts in Natural Ecosystems: Diversity. , 2017, , .		30
40	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
41	Production and Properties of a Thermostable, pHâ€"Stable Exo-Polygalacturonase Using Aureobasidium pullulans Isolated from Saharan Soil of Algeria Grown on Tomato Pomace. Foods, 2016, 5, 72.	1.9	21
42	Application of anhydrobiosis and dehydration of yeasts for non-conventional biotechnological goals. World Journal of Microbiology and Biotechnology, 2016, 32, 104.	1.7	22
43	Characterization of basidiomycetous yeasts in hypersaline soils of the Urmia Lake National Park, Iran. Extremophiles, 2016, 20, 915-928.	0.9	32
44	Seasonal and altitudinal changes of culturable bacterial and yeast diversity in Alpine forest soils. Extremophiles, 2016, 20, 855-873.	0.9	43
45	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
46	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
47	Bacteria and yeast microbiota in milk kefir grains from different Italian regions. Food Microbiology, 2015, 49, 123-133.	2.1	202
48	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
49	Non-Conventional Yeasts Whole Cells as Efficient Biocatalysts for the Production of Flavors and Fragrances. Molecules, 2015, 20, 10377-10398.	1.7	35
50	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
51	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
52	Cold-adapted Yeasts. , 2014, , .		22
53	Taxonomic and phenotypic characterization of yeasts isolated from worldwide cold rock-associated habitats. Fungal Biology, 2014, 118, 61-71.	1.1	31
54	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.	0.9	33

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55	Cold-Adapted Yeasts: A Lesson from the Cold and a Challenge for the XXI Century. , 2014, , 3-22.		12
56	Changes in Lipids Composition and Fluidity of Yeast Plasma Membrane as Response to Cold. , 2014, , 225-242.		9
57	Cold-Adapted Yeasts: A Lesson from the Cold and a Challenge for the XXI Century. , 2014, , 3-22.		23
58	Changes in Lipids Composition and Fluidity of Yeast Plasma Membrane as Response to Cold. , 2014, , 225-242.		12
59	Cold-Adapted Yeasts in Alpine and Apennine Glaciers. , 2014, , 99-122.		3
60	Cold-Adapted Yeasts in Alpine and Apennine Glaciers. , 2014, , 99-122.		0
61	Influence of abiotic variables on culturable yeast diversity in two distinct Alpine glaciers. FEMS Microbiology Ecology, 2013, 86, 327-340.	1.3	56
62	First outbreak of bovine mastitis caused by Prototheca blaschkeae. Veterinary Microbiology, 2013, 162, 997-999.	0.8	32
63	Adaptation of fungi, including yeasts, to cold environments. Plant Biosystems, 2013, 147, 247-258.	0.8	34
64	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
65	In Vitro Synergistic Anti-yeast Activity between Galloyl Derivatives and Amphotericin B. Natural Products Journal, 2013, 3, 131-139.	0.1	1
66	Multicentre Etest evaluation of in vitro activity of conventional antifungal drugs against European bovine mastitis Prototheca spp. isolates. Journal of Antimicrobial Chemotherapy, 2012, 67, 1945-1947.	1.3	28
67	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.	1.7	31
68	Psychrophilic yeasts from worldwide glacial habitats: diversity, adaptation strategies and biotechnological potential. FEMS Microbiology Ecology, 2012, 82, 217-241.	1.3	231
69	Response surface methodology as optimization strategy for asymmetric bioreduction of (4S)-(+)-carvone by Cryptococcus gastricus. Bioresource Technology, 2012, 121, 290-297.	4.8	11
70	Searching for eukaryotic life preserved in Antarctic permafrost. Polar Biology, 2012, 35, 749-757.	0.5	62
71	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
72	A rapid real-time PCR/DNA resolution melting method to identify Prototheca species. Journal of Applied Microbiology, 2011, 110, 27-34.	1.4	20

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73	Ex situ conservation and exploitation of fungi in Italy. Plant Biosystems, 2011, 145, 997-1005.	0.8	29
74	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
75	Bioreduction of Î±,Î²-unsaturated ketones and aldehydes by non-conventional yeast (NCY) whole-cells. Bioresource Technology, 2011, 102, 3993-3998.	4.8	32
76	Cold-adapted yeasts from Antarctica and the Italian Alpsâ€"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
77	Yeast and yeast-like diversity in the southernmost glacier of Europe (Calderone Glacier, Apennines,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	124
78	Rapid method for screening enoate reductase activity in yeasts. Journal of Microbiological Methods, 2010, 83, 106-110.	0.7	4
79	Molecular characterization of Prototheca strains isolated from Italian dairy herds. Journal of Dairy Science, 2010, 93, 4625-4631.	1.4	44
80	In vitro antimycotic activity of a Williopsis saturnus killer protein against food spoilage yeasts. International Journal of Food Microbiology, 2009, 131, 178-182.	2.1	30
81	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
82	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
83	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
84	Identification of culturable psychrophilic yeasts isolated from sediments and melt waters of the Calderone Glacier (Italy). , 2009, , .		0
85	Chemoenzymatic and yeast-catalysed synthesis of diastereomeric ethyl Î³-phenyl and Î³-(n-pyridyl)paraconates. Tetrahedron: Asymmetry, 2008, 19, 2026-2036.	1.8	9
86	Biotransformation of Acyclic Monoterpenoids by Debaryomyces sp., Kluyveromyces sp., and Pichia sp. Strains of Environmental Origin. Chemistry and Biodiversity, 2008, 5, 471-483.	1.0	25
87	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
88	Psychrophilic yeasts in glacial environments of Alpine glaciers. FEMS Microbiology Ecology, 2008, 63, 73-83.	1.3	155
89	Short Communication: Isolation of Prototheca Species Strains from Environmental Sources in Dairy Herds. Journal of Dairy Science, 2008, 91, 3474-3477.	1.4	22
90	Large-scale screening of thein vitrosusceptibility ofProtothecazopfiitowards polyene antibiotics. Medical Mycology, 2008, 46, 511-514.	0.3	20

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91	Antimicrobial and Antiviral Activity of Hydrolysable Tannins. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1179-1187.	1.1	241
92	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
93	Catechins and Proanthocyanidins: Naturally Occurring O-Heterocycles with Antimicrobial Activity. Topics in Heterocyclic Chemistry, 2007, , 239-263.	0.2	13
94	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
95	Carotenoid profiles of yeasts belonging to the genera Rhodotorula, Rhodosporidium, Sporobolomyces, and Sporidiobolus. Canadian Journal of Microbiology, 2007, 53, 1024-1031.	0.8	139
96	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	32
97	Biodiversity of cold-adapted yeasts from glacial meltwater rivers in Patagonia, Argentina. FEMS Microbiology Ecology, 2007, 59, 331-341.	1.3	141
98	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
99	Analysis of condensed and hydrolysable tannins from commercial plant extracts. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 415-420.	1.4	69
100	Yeast Biodiversity and Biotechnology. , 2006, , 533-559.		21
101	Culturable yeasts in meltwaters draining from two glaciers in the Italian Alps. Annals of Glaciology, 2005, 40, 119-122.	2.8	27
102	O-Methylglucogalloyl esters: Synthesis and evaluation of their antimycotic activity. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4000-4003.	1.0	13
103	Optimization of carotenoid production by Rhodotorula graminis DBVPG 7021 as a function of trace element concentration by means of response surface analysis. Enzyme and Microbial Technology, 2005, 36, 687-692.	1.6	74
104	Production of volatile organic sulfur compounds (VOSCs) by basidiomycetous yeasts. FEMS Yeast Research, 2005, 5, 379-385.	1.1	27
105	Use of RAPD and killer toxin sensitivity in Saccharomyces cerevisiae strain typing. Journal of Applied Microbiology, 2005, 99, 609-617.	1.4	19
106	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
107	In vitro antimycotic activity of some plant extracts towards yeast and yeast-like strains. Phytotherapy Research, 2005, 19, 44-49.	2.8	39
108	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

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109	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
110	First large-scale isolation of Prototheca zopfii from milk produced by dairy herds in Italy. Mycopathologia, 2004, 158, 427-430.	1.3	39
111	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
112	A study on volatile organic compounds (VOCs) produced by tropical ascomycetous yeasts. Antonie Van Leeuwenhoek, 2003, 84, 301-311.	0.7	48
113	Antimicrobial activity of extracts of Clematis vitalba towards pathogenic yeast and yeast-like microorganisms. FÃ¬toterapÃ¬Ã¢, 2003, 74, 397-400.	1.1	20
114	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
115	Production of flavoured volatile organic compounds (VOCs) by Candida oleophila GK10. Enzyme and Microbial Technology, 2003, 33, 668-675.	1.6	8
116	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
117	Batch and fed-batch carotenoid production by Rhodotorula glutinis-Debaryomyces castellii co-cultures in corn syrup. Journal of Applied Microbiology, 2001, 90, 843-847.	1.4	68
118	Large-scale screening of selectedCandida maltosa,Debaryomyces hanseniiandPichia anomalakiller toxin activity against pathogenic yeasts. Medical Mycology, 2001, 39, 479-482.	0.3	41
119	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, 39, 3362-3364.	1.8	30
120	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
121	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
122	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
123	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
124	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
125	Biodiversity of killer activity in yeasts isolated from the Brazilian rain forest. Canadian Journal of Microbiology, 2000, 46, 607-611.	0.8	37
126	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

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127	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 377-381.	1.7	7
128	Utilization of grape must and concentrated rectified grape must to produce gluconic acid by Aspergillus niger, in batch fermentations. Biotechnology Letters, 1993, 15, 151-156.	1.1	29
129	Fungal communities in European alpine soils are not affected by shortâ€term in situ simulated warming than bacterial communities. Environmental Microbiology, 0, , .	1.8	3