Luca Roscini

List of Publications by Year
in descending order

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38 papers	922 citations	394421 19 h-index	454955 30 g-index
38 all docs	38 docs citations	38 times ranked	1446 citing authors

#	Article	IF	Citations
1	Novel zwitterionic deep eutectic solvents from trimethylglycine and carboxylic acids: characterization of their properties and their toxicity. RSC Advances, 2014, 4, 55990-56002.	3.6	109
2	Development of a novel, FTIR (Fourier transform infrared spectroscopy) based, yeast bioassay for toxicity testing and stress response study. Analytica Chimica Acta, 2010, 659, 258-265.	5.4	83
3	Room temperature deep eutectic solvents of (1S)-(+)-10-camphorsulfonic acid and sulfobetaines: hydrogen bond-based mixtures with low ionicity and structure-dependent toxicity. RSC Advances, 2015, 5, 31772-31786.	3.6	62
4	Biofilm Specific Activity: A Measure to Quantify Microbial Biofilm. Microorganisms, 2019, 7, 73.	3.6	43
5	FTIR Metabolomic Fingerprint Reveals Different Modes of Action Exerted by Structural Variants of N-Alkyltropinium Bromide Surfactants on Escherichia coli and Listeria innocua Cells. PLoS ONE, 2015, 10, e0115275.	2.5	43
6	Phenotypic and molecular diversity of Meyerozyma guilliermondii strains isolated from food and other environmental niches, hints for an incipient speciation. Food Microbiology, 2015, 48, 206-215.	4.2	41
7	Assessment of safety and efficiency of nitrogen organic fertilizers from animal-based protein hydrolysates-a laboratory multidisciplinary approach. Journal of the Science of Food and Agriculture, 2014, 94, 235-245.	3.5	38
8	Neuroinflammation and endoplasmic reticulum stress are coregulated by cyclo(His-Pro) to prevent LPS neurotoxicity. International Journal of Biochemistry and Cell Biology, 2014, 51, 159-169.	2.8	34
9	Merging FT-IR and NGS for simultaneous phenotypic and genotypic identification of pathogenic Candida species. PLoS ONE, 2017, 12, e0188104.	2.5	31
10	Biocidal and inhibitory activity screening of de novo synthesized surfactants against two eukaryotic and two prokaryotic microbial species. Colloids and Surfaces B: Biointerfaces, 2013, 111, 407-417.	5.0	30
11	FTIR analysis of the metabolomic stress response induced by N-alkyltropinium bromide surfactants in the yeasts Saccharomyces cerevisiae and Candida albicans. Colloids and Surfaces B: Biointerfaces, 2014, 116, 761-771.	5.0	29
12	Effect of pH on potassium metabisulphite biocidic activity against yeast and human cell cultures. Food Chemistry, 2012, 134, 1327-1336.	8.2	26
13	Yamadazyma terventina sp. nov., a yeast species of the Yamadazyma clade from Italian olive oils. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 372-376.	1.7	26
14	Candida milleri species reveals intraspecific genetic and metabolic polymorphisms. Food Microbiology, 2014, 42, 72-81.	4.2	24
15	Influence of cell parameters in Fourier transform infrared spectroscopy analysis of whole yeast cells. Analyst, The, 2011, 136, 2339.	3.5	21
16	First Case of Trichoderma longibrachiatum CIED (Cardiac Implantable Electronic Device)-Associated Endocarditis in a Non-immunocompromised Host: Biofilm Removal and Diagnostic Problems in the Light of the Current Literature. Mycopathologia, 2016, 181, 297-303.	3.1	21
17	NGS barcode sequencing in taxonomy and diagnostics, an application in â€œCandidaâ€•pathogenic yeasts with a metagenomic perspective. IMA Fungus, 2018, 9, 91-105.	3.8	20
18	Influence of cell geometry and number of replicas in the reproducibility of whole cell FTIR analysis. Analyst, The, 2010, 135, 2099.	3.5	19

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19	Exploring ecological modelling to investigate factors governing the colonization success in nosocomial environment of Candida albicans and other pathogenic yeasts. Scientific Reports, 2016, 6, 26860.	3.3	19
20	Toll Like Receptor 4 Affects the Cerebral Biochemical Changes Induced by MPTP Treatment. Neurochemical Research, 2017, 42, 493-500.	3.3	19
21	A novel FTIR-based approach to evaluate the interactions between lignocellulosic inhibitory compounds and their effect on yeast metabolism. RSC Advances, 2016, 6, 47981-47989.	3.6	18
22	Ionic Conductivity as a Tool To Study Biocidal Activity of Sulfobetaine Micelles against Saccharomyces cerevisiae Model Cells. Langmuir, 2016, 32, 1101-1110.	3.5	18
23	Nanostructured zinc oxide on silica surface: Preparation, physicochemical characterization and antimicrobial activity. Materials Science and Engineering C, 2019, 104, 109977.	7.3	18
24	Furanodien-6-one from Commiphora erythraea inhibits the NF-Î¹B signalling and attenuates LPS-induced neuroinflammation. Molecular Immunology, 2013, 54, 347-354.	2.2	15
25	Direct spectroscopic (FTIR) detection of intraspecific binary contaminations in yeast cultures. FEMS Yeast Research, 2009, 9, 460-467.	2.3	13
26	Kazachstania ichnusensis sp. nov., a diploid homothallic ascomycetous yeast from Sardinian lentisk rhizosphere. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 722-727.	1.7	12
27	A yeast metabolome-based model for an ecotoxicological approach in the management of lignocellulosic ethanol stillage. Royal Society Open Science, 2019, 6, 180718.	2.4	12
28	Yeast Biofilm as a Bridge Between Medical and Environmental Microbiology Across Different Detection Techniques. Infectious Diseases and Therapy, 2018, 7, 27-34.	4.0	11
29	Early Ongoing Speciation of Ogataea uvarum Sp. Nov. Within the Grape Ecosystem Revealed by the Internal Variability Among the rDNA Operon Repeats. Frontiers in Microbiology, 2018, 9, 1687.	3.5	11
30	Metabolomic Alterations Do Not Induce Metabolic Burden in the Industrial Yeast M2n[pBKD2-Pccbgl1]-C1 Engineered by Multiple Î´-Integration of a Fungal Î²-Glucosidase Gene. Frontiers in Bioengineering and Biotechnology, 2019, 7, 376.	4.1	9
31	A novel, rapid and automated conductometric method to evaluate surfactantâ€“cells interactions by means of critical micellar concentration analysis. Chemico-Biological Interactions, 2014, 218, 20-27.	4.0	8
32	High-Throughput Rapid and Inexpensive Assay for Quantitative Determination of Low Cell-Density Yeast Cultures. Microorganisms, 2019, 7, 32.	3.6	8
33	Single Strain High-Depth NGS Reveals High rDNA (ITS-LSU) Variability in the Four Prevalent Pathogenic Species of the Genus Candida. Microorganisms, 2021, 9, 302.	3.6	8
34	Centrality of Objects in a Multidimensional Space and its Effects on Distance-Based Biological Classifications. The Open Applied Informatics Journal, 2011, 5, 11-19.	1.0	6
35	Delta-Integration of Single Gene Shapes the Whole Metabolomic Short-Term Response to Ethanol of Recombinant Saccharomyces cerevisiae Strains. Metabolites, 2020, 10, 140.	2.9	5
36	Candida coquimbonensis sp. nov., a link between Australian and Nearctic/Neotropical Phaffomyces. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 3067-3071.	1.7	4

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37	Spectroscopic Characterization of Bovine, Avian and Johnin Purified Protein Derivative (PPD) with High-Throughput Fourier Transform InfraRed-Based Method. Pathogens, 2019, 8, 136.	2.8	4
38	Do Metabolomics and Taxonomic Barcode Markers Tell the Same Story about the Evolution of Saccharomyces sensu stricto Complex in Fermentative Environments?. Microorganisms, 2020, 8, 1242.	3.6	4