

Alfredo Miccheli

List of Publications by Year in descending order

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79
papers

3,298
citations

172386

29
h-index

155592

55
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all docs

79
docs citations

79
times ranked

5506
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperbaric Exposure of Scuba Divers Affects the Urinary Excretion of Nucleic Acid Oxidation Products and Hypoxanthine. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3005.	1.2	1
2	Bio stimulant Effects of <i>Chaetomium globosum</i> and <i>Minimedusa polyspora</i> Culture Filtrates on <i>Cichorium intybus</i> Plant: Growth Performance and Metabolomic Traits. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	6
3	Biomonitoring of Exposure to Urban Pollutants and Oxidative Stress during the COVID-19 Lockdown in Rome Residents. <i>Toxics</i> , 2022, 10, 267.	1.6	2
4	Short-chain fatty acids promote the effect of environmental signals on the gut microbiome and metabolome in mice. <i>Communications Biology</i> , 2022, 5, .	2.0	16
5	Comparative transcriptomics and metabolomics in <i>Vitis vinifera</i> "Malvasia"™ and <i>Vitis rupestris</i> "Du Lot"™ cultured cells provide insights in possible innate resistance against pathogens. <i>Plant Biosystems</i> , 2021, 155, 557-566.	0.8	0
6	Characterization of the gut-liver-muscle axis in cirrhotic patients with sarcopenia. <i>Liver International</i> , 2021, 41, 1320-1334.	1.9	51
7	Red Beetroot's NMR-Based Metabolomics: Phytochemical Profile Related to Development Time and Production Year. <i>Foods</i> , 2021, 10, 1887.	1.9	8
8	Urinary metabolomics of HCV patients with severe liver fibrosis before and during the sustained virologic response achieved by direct acting antiviral treatment. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112217.	2.5	4
9	Longitudinal Multi-Omics Study of a Mother-Infant Dyad from Breastfeeding to Weaning: An Individualized Approach to Understand the Interactions Among Diet, Fecal Metabolome and Microbiota Composition. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 688440.	1.6	14
10	<i>Leuconostoc</i> mesenteroides Strains Isolated from Carrots Show Probiotic Features. <i>Microorganisms</i> , 2021, 9, 2290.	1.6	10
11	Histone acetylation landscape in <i>S. cerevisiae</i> nhp6ab mutants reflects altered glucose metabolism. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129454.	1.1	2
12	The "Metabolic biomarkers of frailty in older people with type 2 diabetes mellitus" (MetaboFrail) study: Rationale, design and methods. <i>Experimental Gerontology</i> , 2020, 129, 110782.	1.2	8
13	Network Analysis of Gut Microbiome and Metabolome to Discover Microbiota-Linked Biomarkers in Patients Affected by Non-Small Cell Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8730.	1.8	75
14	NMR-Based Metabolomic Study of Purple Carrot Optimal Harvest Time for Utilization as a Source of Bioactive Compounds. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8493.	1.3	8
15	Can the FUT2 Non-secretor Phenotype Associated With Gut Microbiota Increase the Children Susceptibility for Type 1 Diabetes? A Mini Review. <i>Frontiers in Nutrition</i> , 2020, 7, 606171.	1.6	15
16	Olive Mill Wastes: A Source of Bioactive Molecules for Plant Growth and Protection against Pathogens. <i>Biology</i> , 2020, 9, 450.	1.3	29
17	Fused Omics Data Models Reveal Gut Microbiome Signatures Specific of Inactive Stage of Juvenile Idiopathic Arthritis in Pediatric Patients. <i>Microorganisms</i> , 2020, 8, 1540.	1.6	5
18	Gut metabolomics profiling of non-small cell lung cancer (NSCLC) patients under immunotherapy treatment. <i>Journal of Translational Medicine</i> , 2020, 18, 49.	1.8	114

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19	Targeted and untargeted metabolomics applied to occupational exposure to hyperbaric atmosphere. <i>Toxicology Letters</i> , 2020, 328, 28-34.	0.4	8
20	The metabolomics side of frailty: Toward personalized medicine for the aged. <i>Experimental Gerontology</i> , 2019, 126, 110692.	1.2	32
21	Daily Consumption of Orange Juice from <i>Citrus sinensis</i> L. Osbeck cv. Cara Cara and cv. Bahia Differently Affects Gut Microbiota Profiling as Unveiled by an Integrated Meta-Omics Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1381-1391.	2.4	39
22	Orange juice affects acylcarnitine metabolism in healthy volunteers as revealed by a mass-spectrometry based metabolomics approach. <i>Food Research International</i> , 2018, 107, 346-352.	2.9	20
23	Gut microbiota signatures in cystic fibrosis: Loss of host CFTR function drives the microbiota enterophenotype. <i>PLoS ONE</i> , 2018, 13, e0208171.	1.1	107
24	Gut microbiota profiling of pediatric nonalcoholic fatty liver disease and obese patients unveiled by an integrated meta-omics based approach. <i>Hepatology</i> , 2017, 65, 451-464.	3.6	572
25	Electrochemically Driven Fermentation of Organic Substrates with Undefined Mixed Microbial Cultures. <i>ChemSusChem</i> , 2017, 10, 3091-3097.	3.6	40
26	Urinary metabolic profiling and symptomatic uncomplicated diverticular disease of the colon. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2017, 41, 344-346.	0.7	6
27	Fecal Microbiota, Fecal and Urinary Metabolic Profiling and Symptomatic Uncomplicated Diverticular Disease of the Colon. <i>Gastroenterology</i> , 2017, 152, S807.	0.6	0
28	Combination of Metabolomic and Proteomic Analysis Revealed Different Features among <i>Lactobacillus delbrueckii</i> Subspecies <i>bulgaricus</i> and <i>lactis</i> Strains While In Vivo Testing in the Model Organism <i>Caenorhabditis elegans</i> Highlighted Probiotic Properties. <i>Frontiers in Microbiology</i> , 2017, 8, 1206.	1.5	30
29	Metabolic Profile and Root Development of <i>Hypericum perforatum</i> L. In vitro Roots under Stress Conditions Due to Chitosan Treatment and Culture Time. <i>Frontiers in Plant Science</i> , 2016, 7, 507.	1.7	17
30	Assessment of Fecal Microbiota and Fecal Metabolome in Symptomatic Uncomplicated Diverticular Disease of the Colon. <i>Journal of Clinical Gastroenterology</i> , 2016, 50, S9-S12.	1.1	71
31	¹ H NMR-Based Metabolomics Reveals a Pedoclimatic Metabolic Imprinting in Ready-to-Drink Carrot Juices. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5284-5291.	2.4	21
32	Acetic acid acts as an elicitor exerting a chitosan-like effect on xanthone biosynthesis in <i>Hypericum perforatum</i> L. root cultures. <i>Plant Cell Reports</i> , 2016, 35, 1009-1020.	2.8	28
33	Liquid chromatography-tandem mass spectrometry method for the determination of vitamin K homologues in human milk after overnight cold saponification. <i>Journal of Food Composition and Analysis</i> , 2016, 47, 21-30.	1.9	27
34	Phylogenetic and Metabolic Tracking of Gut Microbiota during Perinatal Development. <i>PLoS ONE</i> , 2015, 10, e0137347.	1.1	84
35	¹³ C NMR based profiling unveils different α -ketoglutarate pools involved into glutamate and lysine synthesis in the milk yeast <i>Kluyveromyces lactis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2222-2227.	1.1	6
36	Su1348 Analysis of Microbiota and Metaboloma in Symptomatic Uncomplicated Diverticular Disease of the Colon. <i>Gastroenterology</i> , 2015, 148, S-481-S-482.	0.6	2

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37	Administration of a multistrain probiotic product (VSL#3) to women in the perinatal period differentially affects breast milk beneficial microbiota in relation to mode of delivery. <i>Pharmacological Research</i> , 2015, 95-96, 63-70.	3.1	64
38	¹ H NMR-Based Urinary Metabolic Profiling Reveals Changes in Nicotinamide Pathway Intermediates Due to Postnatal Stress Model in Rat. <i>Journal of Proteome Research</i> , 2014, 13, 5848-5859.	1.8	16
39	Application of NMR-based Metabolomics to the Study of Gut Microbiota in Obesity. <i>Journal of Clinical Gastroenterology</i> , 2014, 48, S5-S7.	1.1	20
40	Fecal and urinary NMR-based metabolomics unveil an aging signature in mice. <i>Experimental Gerontology</i> , 2014, 49, 5-11.	1.2	62
41	Exploring human breast milk composition by NMR-based metabolomics. <i>Natural Product Research</i> , 2014, 28, 95-101.	1.0	83
42	A non-targeted metabolomics approach to evaluate the effects of biomass growth and chitosan elicitation on primary and secondary metabolism of <i>Hypericum perforatum</i> in vitro roots. <i>Metabolomics</i> , 2014, 10, 1186-1196.	1.4	28
43	Gut and Breast Milk Microbiota and Their Role in the Development of the Immune Function. <i>Current Pediatrics Reports</i> , 2014, 2, 218-226.	1.7	7
44	Depletion of casein kinase I leads to a NAD(P) ⁺ /NAD(P)H balance-dependent metabolic adaptation as determined by NMR spectroscopy-metabolomic profile in <i>Kluyveromyces lactis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 556-564.	1.1	8
45	NMR-Based Metabolomics in Food Quality Control. <i>Data Handling in Science and Technology</i> , 2013, 28, 411-447.	3.1	3
46	Metabolic Profiling and Outer Pericarp Water State in Zespri, Cl.GI, and Hayward Kiwifruits. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1727-1740.	2.4	29
47	<i>Lactobacillus acidophilus</i> La5 and <i>Bifidobacterium lactis</i> Bb12 Induce Different Age-Related Metabolic Profiles Revealed by ¹ H-NMR Spectroscopy in Urine and Feces of Mice. <i>Journal of Nutrition</i> , 2013, 143, 1549-1557.	1.3	29
48	Aerobic metabolism of mixed carbon sources in sequencing batch reactor under pulse and continuous feeding. <i>Bioresource Technology</i> , 2013, 129, 118-126.	4.8	16
49	Diet and Aging., 2013, , 109-120.		0
50	Mitochondrial pathways in sarcopenia of aging and disuse muscle atrophy. <i>Biological Chemistry</i> , 2013, 394, 393-414.	1.2	246
51	Current nutritional recommendations and novel dietary strategies to manage sarcopenia. <i>Journal of Frailty & Aging,the</i> , 2013, 2, 38-53.	0.8	94
52	Effects of resveratrol on HepG2 cells as revealed by ¹ H-NMR based metabolic profiling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1-8.	1.1	51
53	Effect of pH on the production of bacterial polyhydroxyalkanoates by mixed cultures enriched under periodic feeding. <i>Process Biochemistry</i> , 2010, 45, 714-723.	1.8	109
54	Gut microbiome-derived metabolites characterize a peculiar obese urinary metabotype. <i>International Journal of Obesity</i> , 2010, 34, 1095-1098.	1.6	206

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55	Monitoring of metabolic profiling and water status of Hayward kiwifruits by nuclear magnetic resonance. <i>Talanta</i> , 2010, 82, 1826-1838.	2.9	59
56	Metabolic analysis of the removal of formic acid by unacclimated activated sludge. <i>Water Research</i> , 2010, 44, 3393-3400.	5.3	7
57	The Influence of a Sports Drink on the Postexercise Metabolism of Elite Athletes as Investigated by NMR-Based Metabolomics. <i>Journal of the American College of Nutrition</i> , 2009, 28, 553-564.	1.1	43
58	Dissecting drug and vehicle metabolic effects in rats by a metabonomic approach. <i>Journal of Proteomics</i> , 2007, 70, 355-361.	2.4	4
59	NMR-based metabolic profiling of human hepatoma cells in relation to cell growth by culture media analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1723-1731.	1.1	39
60	Zebrafish embryo proteins induce apoptosis in human colon cancer cells (Caco2). <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1617-1628.	2.2	54
61	A metabonomic study of transgenic maize (<i>Zea mays</i>) seeds revealed variations in osmolytes and branched amino acids. <i>Journal of Experimental Botany</i> , 2006, 57, 2613-2625.	2.4	70
62	Glutamic acid removal and PHB storage in the activated sludge process under dynamic conditions. <i>Biotechnology and Bioengineering</i> , 2004, 86, 842-851.	1.7	15
63	Invariant features of metabolic networks: a data analysis application on scaling properties of biochemical pathways. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 337, 157-170.	1.2	37
64	NMR-based metabonomic study of transgenic maize. <i>Phytochemistry</i> , 2004, 65, 3187-3198.	1.4	59
65	[1-13C]Glucose entry in neuronal and astrocytic intermediary metabolism of aged rats. <i>Brain Research</i> , 2003, 966, 116-125.	1.1	25
66	Hepatocytes Entrapped in Alginate Gel Beads and Cultured in Bioreactor: Rapid Repolarization and Reconstitution of Adhesion Areas. <i>Cells Tissues Organs</i> , 2001, 168, 126-136.	1.3	28
67	Transport and consumption rate of O ₂ in alginate gel beads entrapping hepatocytes. <i>Biotechnology Letters</i> , 2000, 22, 865-870.	1.1	7
68	Effect of long-term feeding with acetyl-L-carnitine on the age-related changes in rat brain lipid composition: a study by 31P NMR spectroscopy. <i>Neurochemical Research</i> , 2000, 25, 395-399.	1.6	28
69	Energy metabolism and re-establishment of intercellular adhesion complexes of gel entrapped hepatocytes. <i>Cytotechnology</i> , 2000, 32, 219-228.	0.7	9
70	Acetyl-L-carnitine modulates glucose metabolism and stimulates glycogen synthesis in rat brain. <i>Brain Research</i> , 1998, 796, 75-81.	1.1	32
71	Muscular Uptake of Tc-99m MIBI and Tl-201 in Duchenne Muscular Dystrophy. <i>Clinical Nuclear Medicine</i> , 1996, 21, 792-796.	0.7	10
72	Dexamethasone-dependent modulation of human lymphoblastoid B cell line through sphingosine production. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1221, 103-108.	1.9	9

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73	Dexamethasone-dependent modulation of cholesterol levels in human lymphoblastoid B cell line through sphingosine production. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1221, 171-177.	1.9	8
74	Effect of acetyl-l-carnitine on recovery of brain phosphorus metabolites and lactic acid level during reperfusion after cerebral ischemia in the rat study by ¹³ P- and ¹ H-NMR spectroscopy. <i>Brain Research</i> , 1994, 643, 92-99.	1.1	69
75	Modulation of the free sphingosin levels in Epstein Barr virus transformed human B lymphocytes by phorbol dibutyrate. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1095, 90-92.	1.9	7
76	Modulation of human lymphoblastoid B cell line by phorbol ester and sphingosine. A ³¹ P-NMR study. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1093, 29-35.	1.9	26
77	Abscisic acid-induced microheterogeneity in phospholipid vesicle. <i>Biophysical Chemistry</i> , 1990, 35, 65-73.	1.5	15
78	Aging brain: effect of acetyl-l-carnitine treatment on rat brain energy and phospholipid metabolism. A study by ³¹ P and ¹ H NMR spectroscopy. <i>Brain Research</i> , 1990, 526, 108-112.	1.1	88
79	Metabolic Impact of HCV Clearance Examined by Urine Metabonomics in Patients with Severe Liver Fibrosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1