

Leonardo Tenori

List of Publications by Year in descending order

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119
papers

4,979
citations

94381

37
h-index

106281

65
g-index

125
all docs

125
docs citations

125
times ranked

7048
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR Spectroscopy for Metabolomics Research. <i>Metabolites</i> , 2019, 9, 123.	1.3	627
2	High-throughput Metabolomics by 1D NMR. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 968-994.	7.2	254
3	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , 2015, 11, 872-894.	1.4	196
4	The Metabonomic Signature of Celiac Disease. <i>Journal of Proteome Research</i> , 2009, 8, 170-177.	1.8	160
5	From correlation to causation: analysis of metabolomics data using systems biology approaches. <i>Metabolomics</i> , 2018, 14, 37.	1.4	151
6	Individual Human Phenotypes in Metabolic Space and Time. <i>Journal of Proteome Research</i> , 2009, 8, 4264-4271.	1.8	143
7	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. <i>Metabolomics</i> , 2015, 11, 1587-1597.	1.4	140
8	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. <i>Journal of Proteome Research</i> , 2016, 15, 360-373.	1.8	122
9	Metabonomic analysis of saliva reveals generalized chronic periodontitis signature. <i>Metabolomics</i> , 2012, 8, 465-474.	1.4	115
10	Uniqueness of the NMR approach to metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115300.	5.8	103
11	Metabolomic fingerprint of severe obesity is dynamically affected by bariatric surgery in a procedure-dependent manner. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1313-1322.	2.2	96
12	Metabolomics in breast cancer: A decade in review. <i>Cancer Treatment Reviews</i> , 2018, 67, 88-96.	3.4	87
13	Identification of a serum-detectable metabolomic fingerprint potentially correlated with the presence of micrometastatic disease in early breast cancer patients at varying risks of disease relapse by traditional prognostic methods. <i>Annals of Oncology</i> , 2011, 22, 1295-1301.	0.6	83
14	Serum metabolomic profiles evaluated after surgery may identify patients with oestrogen receptor negative early breast cancer at increased risk of disease recurrence. Results from a retrospective study. <i>Molecular Oncology</i> , 2015, 9, 128-139.	2.1	82
15	Uncovering the metabolomic fingerprint of breast cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1010-1020.	1.2	77
16	Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab. <i>PLoS Pathogens</i> , 2021, 17, e1009243.	2.1	76
17	Exploration of serum metabolomic profiles and outcomes in women with metastatic breast cancer: A pilot study. <i>Molecular Oncology</i> , 2012, 6, 437-444.	2.1	73
18	The Cardiovascular Risk of Healthy Individuals Studied by NMR Metabonomics of Plasma Samples. <i>Journal of Proteome Research</i> , 2011, 10, 4983-4992.	1.8	69

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19	Quality assurance multicenter comparison of different MR scanners for quantitative diffusion-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 213-219.	1.9	67
20	Phenotyping COPD by 1H NMR metabolomics of exhaled breath condensate. <i>Metabolomics</i> , 2014, 10, 302-311.	1.4	66
21	Evidence of a DHA Signature in the Lipidome and Metabolome of Human Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 359.	1.8	66
22	Age and Sex Effects on Plasma Metabolite Association Networks in Healthy Subjects. <i>Journal of Proteome Research</i> , 2018, 17, 97-107.	1.8	66
23	NMR-based metabolomics identifies patients at high risk of death within two years after acute myocardial infarction in the AMI-Florence II cohort. <i>BMC Medicine</i> , 2019, 17, 3.	2.3	66
24	Serum Metabolomic Profiles Identify ER-Positive Early Breast Cancer Patients at Increased Risk of Disease Recurrence in a Multicenter Population. <i>Clinical Cancer Research</i> , 2017, 23, 1422-1431.	3.2	65
25	Are Patients with Potential Celiac Disease Really Potential? The Answer of Metabonomics. <i>Journal of Proteome Research</i> , 2011, 10, 714-721.	1.8	64
26	Sarcolab pilot study into skeletal muscle's adaptation to long-term spaceflight. <i>Npj Microgravity</i> , 2018, 4, 18.	1.9	62
27	Metabolomic fingerprint of heart failure in humans: A nuclear magnetic resonance spectroscopy analysis. <i>International Journal of Cardiology</i> , 2013, 168, e113-e115.	0.8	59
28	Allostasis and Resilience of the Human Individual Metabolic Phenotype. <i>Journal of Proteome Research</i> , 2015, 14, 2951-2962.	1.8	58
29	A metabolomics approach to elucidate apple fruit responses to static and dynamic controlled atmosphere storage. <i>Postharvest Biology and Technology</i> , 2017, 127, 76-87.	2.9	49
30	Extreme Hypoxic Conditions Induce Selective Molecular Responses and Metabolic Reset in Detached Apple Fruit. <i>Frontiers in Plant Science</i> , 2016, 7, 146.	1.7	48
31	Metabolomic profile of term infants of gestational diabetic mothers. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2014, 27, 537-542.	0.7	46
32	Analysis of salivary phenotypes of generalized aggressive and chronic periodontitis through nuclear magnetic resonance-based metabolomics. <i>Journal of Periodontology</i> , 2018, 89, 1452-1460.	1.7	46
33	Metabolomics: The Stethoscope for the Twenty-First Century. <i>Medical Principles and Practice</i> , 2021, 30, 301-310.	1.1	46
34	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015, 87, 6709-6717.	3.2	45
35	Probabilistic Networks of Blood Metabolites in Healthy Subjects As Indicators of Latent Cardiovascular Risk. <i>Journal of Proteome Research</i> , 2015, 14, 1101-1111.	1.8	45
36	Effects of Ozone Blood Treatment on the Metabolite Profile of Human Blood. <i>International Journal of Toxicology</i> , 2010, 29, 165-174.	0.6	44

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37	Plasma and Serum Metabolite Association Networks: Comparability within and between Studies Using NMR and MS Profiling. <i>Journal of Proteome Research</i> , 2017, 16, 2547-2559.	1.8	43
38	Metabolomics to Assess Response to Immune Checkpoint Inhibitors in Patients with Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2020, 12, 3574.	1.7	42
39	Knowledge discovery by accuracy maximization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5117-5122.	3.3	40
40	NMR metabolomic fingerprinting distinguishes milk from different farms. <i>Food Research International</i> , 2018, 113, 131-139.	2.9	39
41	Structural Interplay between Calcium(II) and Copper(II) Binding to S100A13 Protein. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6341-6344.	7.2	38
42	Individual Human Metabolic Phenotype Analyzed by ¹ H NMR of Saliva Samples. <i>Journal of Proteome Research</i> , 2016, 15, 1787-1793.	1.8	38
43	The metabolic fingerprints of HCV and HBV infections studied by Nuclear Magnetic Resonance Spectroscopy. <i>Scientific Reports</i> , 2019, 9, 4128.	1.6	36
44	Structure and Cu(I)-binding properties of the N-terminal soluble domains of <i>Bacillus subtilis</i> CopA. <i>Biochemical Journal</i> , 2008, 411, 571-579.	1.7	34
45	KODAMA: an R package for knowledge discovery and data mining. <i>Bioinformatics</i> , 2017, 33, 621-623.	1.8	33
46	Effect of non-surgical periodontal therapy on salivary metabolic fingerprint of generalized chronic periodontitis using nuclear magnetic resonance spectroscopy. <i>Archives of Oral Biology</i> , 2019, 97, 208-214.	0.8	33
47	Metabolomics profiling of pre-and post-anesthesia plasma samples of colorectal patients obtained via Ficoll separation. <i>Metabolomics</i> , 2015, 11, 1769-1778.	1.4	32
48	Fingerprinting Alzheimer's Disease by ¹ H Nuclear Magnetic Resonance Spectroscopy of Cerebrospinal Fluid. <i>Journal of Proteome Research</i> , 2020, 19, 1696-1705.	1.8	32
49	Dependence of apparent diffusion coefficient measurement on diffusion gradient direction and spatial position – A quality assurance intercomparison study of forty-four scanners for quantitative diffusion-weighted imaging. <i>Physica Medica</i> , 2018, 55, 135-141.	0.4	30
50	The impact of free or standardized lifestyle and urine sampling protocol on metabolome recognition accuracy. <i>Genes and Nutrition</i> , 2015, 10, 441.	1.2	29
51	Metabolomics profile in gastrointestinal cancers: Update and future perspectives. <i>World Journal of Gastroenterology</i> , 2020, 26, 2514-2532.	1.4	29
52	Metabolomics in Breast Cancer: Current Status and Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2016, 882, 217-234.	0.8	28
53	NMR-based metabolomic approach to study urine samples of chronic inflammatory rheumatic disease patients. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1405-1413.	1.9	28
54	A framework for validating AI in precision medicine: considerations from the European ITFoC consortium. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 274.	1.5	28

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55	Differential Network Analysis Reveals Metabolic Determinants Associated with Mortality in Acute Myocardial Infarction Patients and Suggests Potential Mechanisms Underlying Different Clinical Scores Used To Predict Death. <i>Journal of Proteome Research</i> , 2020, 19, 949-961.	1.8	27
56	A Metabolomic Perspective on Coeliac Disease. <i>Autoimmune Diseases</i> , 2014, 2014, 1-13.	2.7	26
57	Metabolic Signature of Primary Biliary Cholangitis and Its Comparison with Celiac Disease. <i>Journal of Proteome Research</i> , 2019, 18, 1228-1236.	1.8	26
58	Breathomics for Assessing the Effects of Treatment and Withdrawal With Inhaled Beclomethasone/Formoterol in Patients With COPD. <i>Frontiers in Pharmacology</i> , 2018, 9, 258.	1.6	25
59	Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis. <i>Diabetes</i> , 2020, 69, 2324-2339.	0.3	25
60	Metabolomics of gingival crevicular fluid to identify biomarkers for periodontitis: A systematic review with meta-analysis. <i>Journal of Periodontal Research</i> , 2021, 56, 633-645.	1.4	25
61	Serum or Plasma (and Which Plasma), That Is the Question. <i>Journal of Proteome Research</i> , 2022, 21, 1061-1072.	1.8	25
62	Interaction of the two soluble metal-binding domains of yeast Ccc2 with copper(I)-Atx1. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 645-649.	1.0	24
63	Entropy-Based Network Representation of the Individual Metabolic Phenotype. <i>Journal of Proteome Research</i> , 2016, 15, 3298-3307.	1.8	23
64	Precision Oncology via NMR-Based Metabolomics: A Review on Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4687.	1.8	23
65	Of Monkeys and Men: A Metabolomic Analysis of Static and Dynamic Urinary Metabolic Phenotypes in Two Species. <i>PLoS ONE</i> , 2014, 9, e106077.	1.1	22
66	Fast and Quantitative NMR Metabolite Analysis Afforded by a Paramagnetic Co-solute. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15283-15286.	7.2	22
67	Nuclear magnetic resonance (NMR)-based metabolome profile evaluation in dairy cows with and without displaced abomasum. <i>Veterinary Quarterly</i> , 2020, 40, 1-15.	3.0	22
68	Effect of Estrogen Receptor Status on Circulatory Immune and Metabolomics Profiles of HER2-Positive Breast Cancer Patients Enrolled for Neoadjuvant Targeted Chemotherapy. <i>Cancers</i> , 2020, 12, 314.	1.7	22
69	Plasma metabolomics in calves with acute bronchopneumonia. <i>Metabolomics</i> , 2016, 12, 1.	1.4	21
70	Effects of Boron Supplementation on Peripartum Dairy Cows' Health. <i>Biological Trace Element Research</i> , 2017, 179, 218-225.	1.9	17
71	Multivariate Curve Resolution for 2D Solid-State NMR spectra. <i>Analytical Chemistry</i> , 2020, 92, 4451-4458.	3.2	15
72	NMR-Based Metabolomics for the Assessment of Inhaled Pharmacotherapy in Chronic Obstructive Pulmonary Disease Patients. <i>Journal of Proteome Research</i> , 2020, 19, 64-74.	1.8	14

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73	A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111426.	2.2	14
74	A Serum Metabolomics Classifier Derived from Elderly Patients with Metastatic Colorectal Cancer Predicts Relapse in the Adjuvant Setting. <i>Cancers</i> , 2021, 13, 2762.	1.7	14
75	Metabolomic does not predict response to cardiac resynchronization therapy in patients with heart failure. <i>Journal of Cardiovascular Medicine</i> , 2014, 15, 295-300.	0.6	13
76	The inner temperature of the olives (cv. Leccino) before processing affects the volatile profile and the composition of the oil. <i>Food Research International</i> , 2020, 129, 108861.	2.9	13
77	Changes in the Salivary Metabolic Profile of Generalized Periodontitis Patients after Non-surgical Periodontal Therapy: A Metabolomic Analysis Using Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Clinical Medicine</i> , 2020, 9, 3977.	1.0	13
78	Age- and Sex-Dependent Changes of Free Circulating Blood Metabolite and Lipid Abundances, Correlations, and Ratios. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 918-926.	1.7	13
79	NMR fingerprinting as a tool to evaluate post-harvest time-related changes of peaches, tomatoes and plums. <i>Food Research International</i> , 2015, 75, 106-114.	2.9	12
80	Kinetic analysis of copper transfer from a chaperone to its target protein mediated by complex formation. <i>Chemical Communications</i> , 2017, 53, 1397-1400.	2.2	12
81	Metabolomic analysis of serum may refine 21-gene expression assay risk recurrence stratification. <i>Npj Breast Cancer</i> , 2019, 5, 26.	2.3	12
82	NMR-Based Plasma Metabolomics at Set Intervals in Newborn Dairy Calves with Severe Sepsis. <i>Mediators of Inflammation</i> , 2018, 2018, 1-12.	1.4	11
83	Fecal metabolomic profiles: A comparative study of patients with colorectal cancer vs adenomatous polyps. <i>World Journal of Gastroenterology</i> , 2021, 27, 6430-6441.	1.4	11
84	Metabolite and lipoprotein profiles reveal sex-related oxidative stress imbalance in de novo drug-naive Parkinson's disease patients. <i>Npj Parkinson's Disease</i> , 2022, 8, 14.	2.5	11
85	Investigation of Variations in the Human Urine Metabolome amongst European Populations: An Exploratory Search for Biomarkers of People at Risk of Poverty. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800216.	1.5	10
86	The early reduction of left ventricular mass after sleeve gastrectomy depends on the fall of branched-chain amino acid circulating levels. <i>EBioMedicine</i> , 2022, 76, 103864.	2.7	10
87	Hochdurchsatz-Metabolomik mit 1D-NMR. <i>Angewandte Chemie</i> , 2019, 131, 980-1007.	1.6	8
88	Analysis of Metabolite and Lipid Association Networks Reveals Molecular Mechanisms Associated with 3-Month Mortality and Poor Functional Outcomes in Patients with Acute Ischemic Stroke after Thrombolytic Treatment with Recombinant Tissue Plasminogen Activator. <i>Journal of Proteome Research</i> , 2021, 20, 4758-4770.	1.8	8
89	Comparison of frozen and fresh apple pulp for NMR-based metabolomic analysis. <i>Food Analytical Methods</i> , 2015, 8, 2135-2140.	1.3	7
90	Fast and Quantitative NMR Metabolite Analysis Afforded by a Paramagnetic Co-solute. <i>Angewandte Chemie</i> , 2019, 131, 15427-15430.	1.6	7

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91	DHA-Induced Perturbation of Human Serum Metabolome. Role of the Food Matrix and Co-Administration of Oat β -glucan and Anthocyanins. <i>Nutrients</i> , 2020, 12, 86.	1.7	7
92	Effects of Probiotics Administration on Human Metabolic Phenotype. <i>Metabolites</i> , 2020, 10, 396.	1.3	7
93	Brain cholesterol homeostasis in Wilson disease. <i>Medical Hypotheses</i> , 2013, 81, 1127-1129.	0.8	6
94	De-escalating and escalating treatment beyond endocrine therapy in patients with luminal breast cancer. <i>Breast</i> , 2017, 34, S13-S18.	0.9	6
95	Nuclear magnetic resonance spectroscopy to investigate the association between milk metabolites and udder quarter health status in dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 535-548.	1.4	6
96	Targeting Metabolomics in Breast Cancer. <i>Current Breast Cancer Reports</i> , 2012, 4, 249-256.	0.5	5
97	Gelified Biofluids for High-Resolution Magic Angle Spinning ¹ H NMR Analysis: The Case of Urine. <i>Analytical Chemistry</i> , 2017, 89, 1054-1058.	3.2	5
98	Nuclear Magnetic Resonance-Based Metabolomic Comparison of Breast Milk and Organic and Traditional Formula Milk Brands for Infants and Toddlers. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 424-436.	1.0	5
99	Exploration of Blood Lipoprotein and Lipid Fraction Profiles in Healthy Subjects through Integrated Univariate, Multivariate, and Network Analysis Reveals Association of Lipase Activity and Cholesterol Esterification with Sex and Age. <i>Metabolites</i> , 2021, 11, 326.	1.3	5
100	Metabolomics for the future of personalized medicine through information and communication technologies. <i>Personalized Medicine</i> , 2012, 9, 133-136.	0.8	4
101	Evaluation of Serum/Urine Genomic and Metabolomic Profiles to Improve the Adherence to Sildenafil Therapy in Patients with Erectile Dysfunction. <i>Frontiers in Pharmacology</i> , 2020, 11, 602369.	1.6	4
102	Differential Network Analysis Reveals Molecular Determinants Associated with Blood Pressure and Heart Rate in Healthy Subjects. <i>Journal of Proteome Research</i> , 2021, 20, 1040-1051.	1.8	3
103	Exploring Serum NMR-Based Metabolomic Fingerprint of Colorectal Cancer Patients: Effects of Surgery and Possible Associations with Cancer Relapse. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11120.	1.3	3
104	Metabolomics Fingerprint Predicts Risk of Death in Dilated Cardiomyopathy and Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 851905.	1.1	3
105	An omics approach to study trace metals in sera of hemodialysis patients treated with erythropoiesis stimulating agents. <i>Metallomics</i> , 2022, 14, .	1.0	3
106	Multivariate modeling of the collaboration between Luigi Illica and Giuseppe Giacosa for the librettos of three operas by Giacomo Puccini. <i>Digital Scholarship in the Humanities</i> , 2015, 30, 405-422.	0.4	2
107	Lipid and metabolite correlation networks specific to clinical and biochemical covariate show differences associated with sexual dimorphism in a cohort of nonagenarians. <i>GeroScience</i> , 2021, , 1.	2.1	2
108	Metabolomic Approaches for Apple Fruit Quality Improvement. <i>Compendium of Plant Genomes</i> , 2021, , 311-339.	0.3	2

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109	Applications of 1H-NMR Metabolomics: From Individual Fingerprints to Food Analysis. Special Publication - Royal Society of Chemistry, 2015, , 190-200.	0.0	2
110	Nuclear magnetic resonance in metabolomics. , 2022, , 149-218.		2
111	Phenotyping Green and Roasted Beans of Nicaraguan Coffea Arabica Varieties Processed with Different Post-Harvest Practices. Applied Sciences (Switzerland), 2021, 11, 11779.	1.3	2
112	Influence of inâ€ampforae vinification on the molecular profile of Sangiovese and Cabernet Franc. Flavour and Fragrance Journal, 2022, 37, 219-233.	1.2	1
113	A prospective study to evaluate the Vulnerable Elders Survey-13 (VES-13) as a tool to identify frail older cancer patients (pts).. Journal of Clinical Oncology, 2014, 32, 9546-9546.	0.8	0
114	Serum metabolomics as biomarkers to differentiate early from metastatic disease and predict relapse in elderly colorectal cancer (CRC) patients.. Journal of Clinical Oncology, 2016, 34, 10042-10042.	0.8	0
115	Effects of treatment and withdrawal with inhaled beclomethasone/formoterol on electronic nose and NMR metabolomic breathprints in patients with COPD. , 2016, , .		0
116	NMR-based metabolomics of exhaled breath condensate for assessing the effects of inhaled corticosteroids in COPD patients. , 2017, , .		0
117	A NMR-based metabolomics approach to the assessment of inhaled pharmacotherapy in patients with COPD. , 2019, , .		0
118	Metabolomics as a tool for precision medicine. , 2022, , 605-624.		0
119	Applications and Challenges for Metabolomics via Nuclear Magnetic Resonance Spectroscopy. Applied Sciences (Switzerland), 2022, 12, 4655.	1.3	0