Francesco Savorani

List of Publications by Year
in descending order

46 papers	2,398 citations	279487 23 h-index	243296 44 g-index
47 all docs	47 docs citations	47 times ranked	3657 citing authors

#	Article	IF	Citations
1	icoshift: A versatile tool for the rapid alignment of 1D NMR spectra. Journal of Magnetic Resonance, 2010, 202, 190-202.	1.2	696
2	icoshift: An effective tool for the alignment of chromatographic data. Journal of Chromatography A, 2011, 1218, 7832-7840.	1.8	203
3	Investigations of La Rioja Terroir for Wine Production Using ¹H NMR Metabolomics. Journal of Agricultural and Food Chemistry, 2012, 60, 3452-3461.	2.4	121
4	Determination of the geographical origin of green coffee beans using NIR spectroscopy and multivariate data analysis. Food Control, 2019, 99, 137-145.	2.8	102
5	A primer to nutritional metabolomics by NMR spectroscopy and chemometrics. Food Research International, 2013, 54, 1131-1145.	2.9	82
6	Understanding data fusion within the framework of coupled matrix and tensor factorizations. Chemometrics and Intelligent Laboratory Systems, 2013, 129, 53-63.	1.8	80
7	A NMR metabolomics study of the ripening process of the Fiore Sardo cheese produced with autochthonous adjunct cultures. Food Chemistry, 2013, 141, 2137-2147.	4.2	79
8	Assessment of the Effect of High or Low Protein Diet on the Human Urine Metabolome as Measured by NMR. Nutrients, 2012, 4, 112-131.	1.7	74
9	Flaxseed dietary fibers suppress postprandial lipemia and appetite sensation in young men. Nutrition, Metabolism and Cardiovascular Diseases, 2013, 23, 136-143.	1.1	67
10	Standardization of factors that influence human urine metabolomics. Metabolomics, 2011, 7, 71-83.	1.4	64
11	Metabolic profiling and aquaculture differentiation of gilthead sea bream by 1H NMR metabonomics. Food Chemistry, 2010, 120, 907-914.	4.2	61
12	New Nordic Diet versus Average Danish Diet: A Randomized Controlled Trial Revealed Healthy Long-Term Effects of the New Nordic Diet by GCâ€“MS Blood Plasma Metabolomics. Journal of Proteome Research, 2016, 15, 1939-1954.	1.8	61
13	Data fusion approaches in spectroscopic characterization and classification of PDO wine vinegars. Talanta, 2019, 198, 560-572.	2.9	61
14	Metabolomics as a Powerful Tool for Molecular Quality Assessment of the Fish Sparus aurata. Nutrients, 2011, 3, 212-227.	1.7	60
15	Forecasting individual breast cancer risk using plasma metabolomics and biocontours. Metabolomics, 2015, 11, 1376-1380.	1.4	54
16	Data fusion in metabolomic cancer diagnostics. Metabolomics, 2013, 9, 3-8.	1.4	49
17	Metabolomics analysis of shucked musselsâ€™ freshness. Food Chemistry, 2016, 205, 58-65.	4.2	45
18	Assessment of dietary exposure related to dietary GI and fibre intake in a nutritional metabolomic study of human urine. Genes and Nutrition, 2012, 7, 281-293.	1.2	41

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19	Development of an automated method for the identification of defective hazelnuts based on RGB image analysis and colourgrams. Food Control, 2018, 94, 233-240.	2.8	38
20	Biomarkers of Individual Foods, and Separation of Diets Using Untargeted LCâ€“MSâ€based Plasma Metabolomics in a Randomized Controlled Trial. Molecular Nutrition and Food Research, 2019, 63, e1800215.	1.5	34
21	High throughput prediction of chylomicron triglycerides in human plasma by nuclear magnetic resonance and chemometrics. Nutrition and Metabolism, 2010, 7, 43.	1.3	31
22	Targeting G-Quadruplex DNA Structures by EMICORON Has a Strong Antitumor Efficacy against Advanced Models of Human Colon Cancer. Molecular Cancer Therapeutics, 2015, 14, 2541-2551.	1.9	27
23	NMR and interval PLS as reliable methods for determination of cholesterol in rodent lipoprotein fractions. Metabolomics, 2010, 6, 129-136.	1.4	25
24	Effect of trans Fatty Acid Intake on LC-MS and NMR Plasma Profiles. PLoS ONE, 2013, 8, e69589.	1.1	23
25	Differentiation between Fresh and Thawed Cephalopods Using NIR Spectroscopy and Multivariate Data Analysis. Foods, 2021, 10, 528.	1.9	23
26	Development of an Optimized Protocol for NMR Metabolomics Studies of Human Colon Cancer Cell Lines and First Insight from Testing of the Protocol Using DNA G-Quadruplex Ligands as Novel Anti-Cancer Drugs. Metabolites, 2016, 6, 4.	1.3	21
27	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. Food Analytical Methods, 2020, 13, 530-541.	1.3	21
28	A Metabolomic Approach to Beer Characterization. Molecules, 2021, 26, 1472.	1.7	17
29	Forecasting Chronic Diseases Using Data Fusion. Journal of Proteome Research, 2017, 16, 2435-2444.	1.8	12
30	Metabolic responses of clams, Ruditapes decussatus and Ruditapes philippinarum , to short-term exposure to lead and zinc. Marine Pollution Bulletin, 2016, 107, 292-299.	2.3	11
31	Human urine 1H NMR metabolomics reveals alterations of protein and carbohydrate metabolism when comparing habitual Average Danish diet vs. healthy New Nordic diet. Nutrition, 2020, 79-80, 110867.	1.1	11
32	Interval-Based Chemometric Methods in NMR Foodomics. Data Handling in Science and Technology, 2013, 28, 449-486.	3.1	10
33	New insights from a Î²-glucan human intervention study using NMR metabolomics. Food Research International, 2014, 63, 210-217.	2.9	10
34	Investigation of Variations in the Human Urine Metabolome amongst European Populations: An Exploratory Search for Biomarkers of People at Riskâ€ofâ€Poverty. Molecular Nutrition and Food Research, 2019, 63, e1800216.	1.5	10
35	Fused adjacency matrices to enhance information extraction: The beer benchmark. Analytica Chimica Acta, 2019, 1061, 70-83.	2.6	10
36	Alignment of 1D NMR Data using the iCoshift Tool: A Tutorial. Special Publication - Royal Society of Chemistry, 2013, , 14-24.	0.0	8

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37	The Effect of Season on the Metabolic Profile of the European Clam Ruditapes decussatus as Studied by 1H-NMR Spectroscopy. Metabolites, 2017, 7, 36.	1.3	7
38	Chemometric Differentiation of Sole and Plaice Fish Fillets Using Three Near-Infrared Instruments. Foods, 2022, 11, 1643.	1.9	7
39	Data on the changes of the mussels×3 metabolic profile under different cold storage conditions. Data in Brief, 2016, 7, 951-957.	0.5	6
40	Metabolic changes of genetically engineered grapes (Vitis vinifera L.) studied by 1H-NMR, metabolite heatmaps and iPLS. Metabolomics, 2016, 12, 1.	1.4	6
41	Simultaneous classification of multiple classes in NMR metabolomics and vibrational spectroscopy using interval-based classification methods: iECVA vs iPLS-DA. Analytica Chimica Acta, 2018, 1021, 20-27.	2.6	6
42	Kinetic modeling of hazelnut drying: Effects of different cultivars and drying parameters. Journal of Food Process Engineering, 2018, 41, e12632.	1.5	6
43	Monitoring of the Rioja red wine production process by <scp>¹H</scp>â€<scp>NMR</scp> spectroscopy. Journal of the Science of Food and Agriculture, 2022, 102, 3808-3816.	1.7	5
44	NMR Foodomics. New Developments in NMR, 2018, , 183-245.	0.1	4
45	Paramagnetic Challenges in NMR Measurements of Foods. Special Publication - Royal Society of Chemistry, 0, , 113-123.	0.0	1
46	1H NMR Spectroscopy of Lipoproteins-When Size Matters. Special Publication - Royal Society of Chemistry, 2015, , 211-223.	0.0	0