

Flaminia Cesare Marincola

List of Publications by Year in descending order

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73
papers

1,680
citations

257357

24
h-index

330025

37
g-index

74
all docs

74
docs citations

74
times ranked

2494
citing authors

#	ARTICLE	IF	CITATIONS
1	A metabolomic study of preterm human and formula milk by high resolution NMR and GC/MS analysis: preliminary results. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 62-67.	0.7	97
2	Use of NMR applications to tackle future food fraud issues. <i>Trends in Food Science and Technology</i> , 2019, 91, 347-353.	7.8	81
3	Competitive Na ⁺ and Rb ⁺ Binding in the Minor Groove of DNA. <i>Journal of the American Chemical Society</i> , 2004, 126, 6739-6750.	6.6	80
4	A NMR metabolomics study of the ripening process of the Fiore Sardo cheese produced with autochthonous adjunct cultures. <i>Food Chemistry</i> , 2013, 141, 2137-2147.	4.2	79
5	¹ H NMR-based metabolomic analysis of urine from preterm and term neonates. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 1005-1012.	0.9	65
6	Bisphosphonate chelating agents: complexation of Fe(III) and Al(III) by 1-phenyl-1-hydroxymethylene bisphosphonate and its analogues. <i>Inorganica Chimica Acta</i> , 2002, 339, 111-118.	1.2	62
7	Definition of food quality by NMR-based foodomics. <i>Current Opinion in Food Science</i> , 2015, 4, 99-104.	4.1	62
8	Clinical impact of human breast milk metabolomics. <i>Clinica Chimica Acta</i> , 2015, 451, 103-106.	0.5	52
9	Metabolomics and the great obstetrical syndromes – GDM, PET, and IUGR. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2015, 29, 156-164.	1.4	50
10	An energy dispersive x-ray scattering and molecular dynamics study of liquid dimethyl carbonate. <i>Journal of Chemical Physics</i> , 2009, 131, 244503.	1.2	46
11	NMR Investigation of Imidazolium-Based Ionic Liquids and Their Aqueous Mixtures. <i>ChemPhysChem</i> , 2012, 13, 1339-1346.	1.0	45
12	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015, 87, 6709-6717.	3.2	45
13	Metabolomics analysis of shucked mussels™ freshness. <i>Food Chemistry</i> , 2016, 205, 58-65.	4.2	45
14	Wheat bran biodegradation by <i>Pleurotus ostreatus</i> : A solid-state Carbon-13 NMR study. <i>Bioresource Technology</i> , 2008, 99, 4279-4284.	4.8	44
15	¹³ C NMR, GC and HPLC characterization of lipid components of the salted and dried mullet (<i>Mugil</i>) Tj ETQq1 1 0.784314 rgBT / Overl	1.5	39
16	¹ H NMR-based metabolic profiling of urine from children with nephrouropathies. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 725-732.	0.9	39
17	Metabolomics of Breast Milk: The Importance of Phenotypes. <i>Metabolites</i> , 2018, 8, 79.	1.3	33
18	¹ H NMR-based urine metabolic profile of IUGR, LGA, and AGA newborns in the first week of life. <i>Clinica Chimica Acta</i> , 2015, 451, 28-34.	0.5	32

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19	The structural organization of N-methyl-2-pyrrolidone + water mixtures: A densitometry, x-ray diffraction, and molecular dynamics study. <i>Journal of Chemical Physics</i> , 2014, 140, 124503.	1.2	30
20	Investigation of the ¹ H-NMR based urine metabolomic profiles of IUGR, LGA and AGA newborns on the first day of life. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2014, 27, 13-19.	0.7	30
21	Conformational isomerisms and nano-aggregation in substituted alkylammonium nitrates ionic liquids: An x-ray and computational study of 2-methoxyethylammonium nitrate. <i>Journal of Chemical Physics</i> , 2013, 138, 184506.	1.2	28
22	Clinical Metabolomics and Nutrition: The New Frontier in Neonatology and Pediatrics. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	28
23	Analysing the effects of frozen storage and processing on the metabolite profile of raw mullet roes using ¹ H NMR spectroscopy. <i>Food Chemistry</i> , 2014, 159, 71-79.	4.2	25
24	Impact of Early Postnatal Nutrition on the NMR Urinary Metabolic Profile of Infant. <i>Journal of Proteome Research</i> , 2016, 15, 3712-3723.	1.8	25
25	¹ H NMR Metabolite Fingerprint and Pattern Recognition of Mullet (<i>Mugil cephalus</i>) Bottarga. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9497-9505.	2.4	24
26	Substituent effects on ionisation and ¹³ C NMR properties of some monosubstituted phenols: A potentiometric, spectrophotometric and ¹³ C NMR study. <i>Talanta</i> , 2002, 56, 441-449.	2.9	21
27	NMR, Calorimetry, and Computational Studies of Aqueous Solutions of N-Methyl-2-pyrrolidone. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10493-10502.	1.2	21
28	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. <i>Food Analytical Methods</i> , 2020, 13, 530-541.	1.3	21
29	The atomic structure of niobium and tantalum containing borophosphate glasses. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 375106.	0.7	19
30	Thermo-physical properties of ammonium-based ionic liquid + N-methyl-2-pyrrolidone mixtures at 298.15 K. <i>Fluid Phase Equilibria</i> , 2014, 383, 49-54.	1.4	19
31	Interaction of divalent metal ions with DNA investigated by ²³ Na NMR relaxation. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2425-2428.	1.3	18
32	Recognition and characterization of binding modes of ¹¹⁹ Sr- and ¹⁰⁶ Ru- ¹⁰⁶ Ru(phen) ₃ 2+ and ¹¹⁹ Sr- and ¹⁰⁶ Ru- ¹⁰⁶ Ru(phen) ₂ DPPZ2+ by the NMR relaxation and binding free energy parameters. <i>Chemical Physics</i> , 1998, 236, 301-308.	0.9	17
33	The biomarkers of fetal growth in intrauterine growth retardation and large for gestational age cases: from adipocytokines to a metabolomic all-in-one tool. <i>Expert Review of Proteomics</i> , 2015, 12, 309-316.	1.3	17
34	Sportomics in professional soccer players: metabolomics results during preseason. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 324-330.	0.4	17
35	Cholinium-Based Ionic Liquids from Hydroxycinnamic Acids as New Promising Bioactive Agents: A Combined Experimental and Theoretical Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2975-2986.	3.2	17
36	Chemical Composition and Antioxidant Potential Differences between <i>Cynomorium coccineum</i> L. Growing in Italy and in Tunisia: Effect of Environmental Stress. <i>Diversity</i> , 2018, 10, 53.	0.7	16

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37	A ^{29}Si MAS and ^1H NMR investigation of $\text{Fe}_2\text{O}_3/\text{SiO}_2$ nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 329-334.	1.5	15
38	Comparative antioxidant activity and ^1H NMR profiling of Mediterranean fruit products. <i>Food Research International</i> , 2015, 69, 322-330.	2.9	15
39	Metabolomics in necrotizing enterocolitis: the state of the art. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 1053-1058.	1.5	15
40	Human Milk Oligosaccharides: A Comprehensive Review towards Metabolomics. <i>Children</i> , 2021, 8, 804.	0.6	15
41	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , 2020, 214, 120855.	2.9	14
42	The Interaction of DNA with Intercalating Agents Probed by Sodium-23 NMR Relaxation Rates. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 37-43.	2.0	13
43	Competitive binding exchange between alkali metal ions (K^+ , Rb^+ , and Tl^+) and $^{23}\text{Na}^+$ in DNA. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 1036-1042.	1.1	12
44	Metabolic responses of clams, <i>Ruditapes decussatus</i> and <i>Ruditapes philippinarum</i> , to short-term exposure to lead and zinc. <i>Marine Pollution Bulletin</i> , 2016, 107, 292-299.	2.3	11
45	Mugil cephalus roe oil obtained by supercritical fluid extraction affects the lipid profile and viability in cancer HeLa and B16F10 cells. <i>Food and Function</i> , 2016, 7, 4092-4103.	2.1	11
46	How porosity affects the emission of fluorescent carbon dot-silica porous composites. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110302.	2.2	11
47	^{23}Na NMR Relaxation Studies of the Na-DNA/Drug Interaction. <i>ChemPhysChem</i> , 2001, 2, 569-575.	1.0	10
48	Multinuclear NMR Investigation of the NaDNA/Ethidium Bromide Anisotropic System. <i>Journal of Biomolecular Structure and Dynamics</i> , 2002, 20, 99-105.	2.0	9
49	Binding of Mg^{2+} , Cd^{2+} , and Ni^{2+} to Liquid Crystalline NaDNA: Polarized Light Microscopy and NMR Investigations. <i>Biomacromolecules</i> , 2004, 5, 1552-1556.	2.6	9
50	^1H and ^{13}C NMR studies of melon and head blubber of the striped dolphin (<i>Stenella coeruleoalba</i>). <i>Lipids</i> , 2006, 41, 1039-1048.	0.7	9
51	Sediments distribution of trace metals in a coastal lagoon (Southern Sardinia, Mediterranean Sea): assessment of contamination and ecological risk. <i>Chemistry and Ecology</i> , 2018, 34, 727-746.	0.6	9
52	Urine NMR Metabolomics Profile of Preterm Infants With Necrotizing Enterocolitis Over the First Two Months of Life: A Pilot Longitudinal Case-Control Study. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 680159.	1.6	9
53	Adaptative Value of a PKC β /PKI55 Feedback Loop of Inhibition That Prevents the Kinase's Dereglulation. <i>Journal of Molecular Evolution</i> , 2003, 57, 131-139.	0.8	8
54	Effect of Rubidium and Cesium Ions on the Dimeric Quaduplex formed by the <i>Oxytricha Nova</i> Telomeric Repeat Oligonucleotide D(GGGGTTTTGGGG). <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1129-1132.	0.4	7

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55	Multivariate Statistical Analysis of the UV-Vis Profiles of Wine Polyphenolic Extracts during Vinification. <i>Journal of Agricultural Science</i> , 2014, 6, .	0.1	7
56	The Effect of Season on the Metabolic Profile of the European Clam <i>Ruditapes decussatus</i> as Studied by ¹ H-NMR Spectroscopy. <i>Metabolites</i> , 2017, 7, 36.	1.3	7
57	Novel drug delivery systems for natural extracts: The case study of <i>Vitis Vinifera</i> extract-SiO ₂ nanocomposites. <i>International Journal of Pharmaceutics</i> , 2018, 551, 84-96.	2.6	7
58	Influence of Autochthonous Putative Probiotic Cultures on Microbiota, Lipid Components and Metabolome of Caciotta Cheese. <i>Frontiers in Microbiology</i> , 2020, 11, 583745.	1.5	7
59	Urinary Metabolomic Profile of Preterm Infants Receiving Human Milk with Either Bovine or Donkey Milk-Based Fortifiers. <i>Nutrients</i> , 2020, 12, 2247.	1.7	7
60	Optical microscopy and multinuclear NMR investigation of the liquid crystalline netropsin-DNA complex. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1678-1681.	1.3	6
61	Data on the changes of the mussel's metabolic profile under different cold storage conditions. <i>Data in Brief</i> , 2016, 7, 951-957.	0.5	6
62	Interaction between aspergillic acid and iron(III): A potentiometric, UV-Vis, ¹ H NMR and quantum chemical study. <i>Polyhedron</i> , 2009, 28, 763-768.	1.0	5
63	Sea Salts Flavored with Mediterranean Herbs and Fruits Prevent Cholesterol and Phospholipid Membrane Oxidation and Cell Free Radical Generation. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700323.	1.0	5
64	CompChem and NMR Probing Ionic Liquids. <i>Soft and Biological Matter</i> , 2014, , 97-126.	0.3	5
65	Evaluation of the Antioxidant and Cytotoxic Activities on Cancer Cell Line of Extracts of Parasitic Plants Harvested in Tunisia. <i>Polish Journal of Food and Nutrition Sciences</i> , 0, , 253-263.	0.6	5
66	NMR Metabonomic Profile of Preterm Human Milk in the First Month of Lactation: From Extreme to Moderate Prematurity. <i>Foods</i> , 2022, 11, 345.	1.9	5
67	Waste salt from the manufacturing process of mullet bottarga as source of oil with nutritional and nutraceutical properties. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 5363-5372.	1.7	4
68	Theoretical and Experimental Study of the Excess Thermodynamic Properties of Highly Nonideal Liquid Mixtures of Butanol Isomers + DBE. <i>Journal of Physical Chemistry B</i> , 2021, 125, 587-600.	1.2	4
69	Urinary Metabolomics Study of Patients with Bicuspid Aortic Valve Disease. <i>Molecules</i> , 2021, 26, 4220.	1.7	3
70	¹³ C NMR relaxation study of monoaminopyridines in D ₂ O and CDCl ₃ -DMF solutions. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 600-601.	1.1	2
71	A Comparison of Mother's Milk and the Neonatal Urine Metabolome: A Unique Fingerprinting for Different Nutritional Phenotypes. <i>Metabolites</i> , 2022, 12, 113.	1.3	2
72	A ²³ Na NMR study of the effect of d(+) and l(α) arabitol on NaDNA in aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2001, 29, 237-241.	3.6	1

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73	Special Issue on "NMR-Based Metabolomics and Its Applications Volume 2", Metabolites, 2020, 10, 45.	1.3	1