

Andrea Raffaelli

List of Publications by Year in descending order

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73
papers

2,888
citations

304743

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h-index

182427

51
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74
all docs

74
docs citations

74
times ranked

3386
citing authors

#	ARTICLE	IF	CITATIONS
1	HOMA-Estimated Insulin Resistance Is an Independent Predictor of Cardiovascular Disease in Type 2 Diabetic Subjects. <i>Diabetes Care</i> , 2002, 25, 1135-1141.	8.6	493
2	Synthesis and Applications of Binaphthyl C ₂ -Symmetry Derivatives as Chiral Auxiliaries in Enantioselective Reactions. <i>Synthesis</i> , 1992, 1992, 503-517.	2.3	406
3	Atmospheric pressure photoionization mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2003, 22, 318-331.	5.4	380
4	Tissue Distribution and Cardiac Metabolism of 3-Iodothyronamine. <i>Endocrinology</i> , 2010, 151, 5063-5073.	2.8	114
5	Regioselectivity in the rhodium-catalyzed hydroformylation of styrene as a function of reaction temperature and gas pressure. <i>Journal of Molecular Catalysis</i> , 1989, 50, 1-9.	1.2	101
6	Mass spectrometric characterization of flavonoids in extracts from <i>Passiflora incarnata</i> . <i>Journal of Chromatography A</i> , 1997, 777, 223-231.	3.7	67
7	(Z)-9-tricosene identified in rectal gland extracts of <i>Bactrocera oleae</i> males: first evidence of a male-produced female attractant in olive fruit fly. <i>Die Naturwissenschaften</i> , 2012, 99, 77-81.	1.6	66
8	Quantitation of Oleuropein in Virgin Olive Oil by Ionspray Mass Spectrometry—Selected Reaction Monitoring. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4156-4160.	5.2	61
9	Direct Identification of Phenolic Glucosides from Olive Leaf Extracts by Atmospheric Pressure Ionization Tandem Mass Spectrometry. , 1997, 32, 533-541.		58
10	Non-covalent complexes between DNA-binding drugs and double-stranded deoxyoligonucleotides: a study by ionspray mass spectrometry. , 1997, 32, 1186-1194.		56
11	Rosmarinic acid content in basil plants grown in vitro and in hydroponics. <i>Open Life Sciences</i> , 2011, 6, 946-957.	1.4	53
12	Virtual freezing of the hemiacetal-aldehyde equilibrium of the aglycones of oleuropein and ligstroside present in olive oils from Carolea and Coratina cultivars by ionspray ionization tandem mass spectrometry. , 2000, 35, 461-467.		51
13	Factors affecting the ionization efficiency of quaternary ammonium compounds in electrospray/ionspray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 269-275.	1.5	50
14	Identification of 9(E),11(E)-18:2 Fatty Acid Methyl Ester at Trace Level in Thermal Stressed Olive Oils by GC Coupled to Acetonitrile CI-MS and CI-MS/MS, a Possible Marker for Adulteration by Addition of Deodorized Olive Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4867-4872.	5.2	46
15	Characterization of cassanese olive cultivar through the identification of new trace components by ionspray tandem mass spectrometry. , 1999, 34, 10-16.		42
16	A novel application of cinchona alkaloids as chiral auxiliaries: preparation and use of a new family of chiral stationary phases for the chromatographic resolution of racemates. <i>Tetrahedron</i> , 1987, 43, 4969-4978.	1.9	41
17	Rhodium catalyzed deuteroformylation of styrene: (E)- and (Z)- \hat{I}^2 -deuterostyrene and \hat{I}^2, \hat{I}^2 -dideuterostyrene formation via selective \hat{I}^2 -hydride elimination from the branched alkylrhodium intermediate. <i>Journal of Organometallic Chemistry</i> , 1988, 339, 357-365.	1.8	40
18	Direct determination of the ratio of tetrahydrocortisol+allo-tetrahydrocortisol to tetrahydrocortisone in urine by LC-MS-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 830, 278-285.	2.3	37

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19	Changes in olive oil volatile organic compounds induced by water status and light environment in canopies of <i>Olea europaea</i> L. trees. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2473-2481.	3.5	32
20	Effect of heat root stress and high salinity on glucosinolates metabolism in wild rocket. <i>Journal of Plant Physiology</i> , 2018, 231, 261-270.	3.5	31
21	Revealing the mammalian lignan precursor secoisolariciresinol diglucoside in flax seed by ionspray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 595-598.	1.5	30
22	Secondary Structure and Ca ²⁺ -induced Conformational Change of Calexcitin, a Learning-associated Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 24771-24779.	3.4	29
23	Intense physical exercise increases systemic 11 β -hydroxysteroid dehydrogenase type 1 activity in healthy adult subjects. <i>European Journal of Applied Physiology</i> , 2010, 108, 681-687.	2.5	28
24	Recent advances in the assessment of the ratios of cortisol to cortisone and of some of their metabolites in urine by LC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2009, 44, 541-548.	1.6	24
25	Investigation of mammalian lignan precursors in flax seed: First evidence of secoisolariciresinol diglucoside in two isomeric forms by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 929-932.	1.5	22
26	Characterization of psoralen-oleic acid cycloadducts and their possible involvement in membrane photodamage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 44, 39-44.	3.8	22
27	High-throughput screening of tocopherols in natural extracts. <i>Journal of Mass Spectrometry</i> , 2000, 35, 1360-1361.	1.6	22
28	Inter- and intramolecular protium-deuterium exchange in the rhodium-catalyzed deuterioformylation of styrene. <i>Organometallics</i> , 1991, 10, 3892-3898.	2.3	21
29	Chemical modification of human albumin at cys34 by ethacrynic acid: structural characterisation and binding properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 127-136.	2.8	20
30	Liquid Chromatography/Mass Spectrometry of Phospholipids in Soybean Products Using Particle Beam and Ionspray Interfaces. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 707-714.	1.5	19
31	3-Iodothyronamine metabolism and functional effects in FRTL5 thyroid cells. <i>Journal of Molecular Endocrinology</i> , 2011, 47, 23-32.	2.5	19
32	Morpho-physiological response of <i>Populus alba</i> to erythromycin: A timeline of the health status of the plant. <i>Science of the Total Environment</i> , 2016, 569-570, 540-547.	8.0	19
33	Surfactant and heavy metal interaction in poplar: a focus on SDS and Zn uptake. <i>Tree Physiology</i> , 2018, 38, 109-118.	3.1	19
34	Self-Assembly of Nickel(II) Complexes of New Bis-Bidentate Schiff Base Ligands. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 353-357.	2.0	18
35	Isolation and Characterization of an Unknown Flavonoid in Dry Extracts from <i>Passiflora incarnata</i> . <i>Natural Product Research</i> , 1998, 11, 225-232.	0.4	17
36	Degradation of exogenous caffeine by <i>Populus alba</i> and its effects on endogenous caffeine metabolism. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7298-7307.	5.3	17

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37	Coordination and Supramolecular Chemistry of New Bis-bidentate Schiff-Base Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1363-1375.	2.0	16
38	The LIFE PERSUADED project approach on phthalates and bisphenol A biomonitoring in Italian mother-child pairs linking exposure and juvenile diseases. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25618-25625.	5.3	16
39	A simple method for the extraction of volatile organic compounds contained in air samples from adsorbent materials by solid phase microextraction and their analysis by gas chromatography/mass spectrometry. , 1999, 13, 1899-1902.		15
40	Phenolic Compounds from Leaves and Flowers of <i>Hibiscus roseus</i> : Potential Skin Cosmetic Applications of an Under-Investigated Species. <i>Plants</i> , 2021, 10, 522.	3.5	15
41	Catalytic activity of ρ -solvated-rhodium atoms in the hydrogenation of olefinic and aromatic compounds under mild conditions. <i>Journal of Organometallic Chemistry</i> , 1982, 239, C23-C25.	1.8	14
42	Identification and characterization of Fenton oxidation products of surfactants by electrospray mass spectrometry and by solid phase microextraction gas chromatography mass spectrometry. 2. Fatty alcohol polyethoxy sulphates. , 2000, 14, 834-839.		14
43	Selective hydroformylation of cyclodienes to cycloalkenecarboxaldehydes using catalysts derived directly from Rh vapour and cyclodienes. <i>Journal of Organometallic Chemistry</i> , 1983, 258, 351-355.	1.8	13
44	Potential of alkyl orthoformates as alkylating agents of non-electron rich nitrogen heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 1149-1158.	2.6	13
45	Linear alkylbenzenesulphonic acids (LAS) oxidation by H ₂ O ₂ and O ₂ : an investigation by gas- and liquid-chromatography coupled with mass spectrometry. <i>Applied Catalysis B: Environmental</i> , 2005, 59, 113-120.	20.2	13
46	Conformational control of benzylic radical bromination in polymers from methylstyrenes. <i>Macromolecules</i> , 1987, 20, 58-62.	4.8	12
47	The reaction of cobalt(III)-ketoenolates with trifluoroacetic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1035-1041.	1.1	12
48	Binding properties of human albumin modified by covalent binding of penicillin. <i>BBA - Proteins and Proteomics</i> , 2001, 1544, 386-392.	2.1	12
49	Growth and accumulation of caffeic acid derivatives in <i>Echinacea angustifolia</i> DC. var. <i>angustifolia</i> grown in hydroponic culture. <i>Industrial Crops and Products</i> , 2012, 35, 269-273.	5.2	12
50	A Simple Route to Racemic Acenaphthene-1-carboxylic Acid via Hydroformylation of Acenaphthylene. <i>Synthesis</i> , 1988, 1988, 893-894.	2.3	11
51	Investigation on the iodination reaction of methylene blue by liquid chromatography-mass spectrometry with ionspray ionisation. <i>Journal of Chromatography A</i> , 1999, 854, 57-67.	3.7	11
52	Characterization of in vivo plasma metabolites of tepoxalin in horses using LC-MS-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 45-53.	2.8	11
53	Studies of the composition of distillates from leachate by gas chromatography/mass spectrometry coupled to solid-phase microextraction. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 966-970.	1.5	10
54	A comparative evaluation of continuous flow fast atom bombardment and ion spray ionization techniques for the simultaneous determination of alkyltrimethylammonium surfactants by mass spectrometry. , 1998, 12, 281-284.		9

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55	Determination of benzene at trace levels in air by a novel method based on solid-phase microextraction gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2404-2408.	1.5	9
56	A Self-Assembled Dinuclear Double-Stranded Helicate Based on a Square-Planar Coordination Geometry. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1588-1590.	2.0	9
57	Phenolics and Mineral Elements Composition in Underutilized Apple Varieties. <i>Horticulturae</i> , 2022, 8, 40.	2.8	9
58	Toluene-solvated rhodium atoms: Evidence for a hydridorhodium complex. <i>Journal of Organometallic Chemistry</i> , 1986, 302, C21-C23.	1.8	7
59	Ionspray Tandem Mass Spectrometry for Sensitive, Rapid Determination of Minor Toxic Sesquiterpenoids in the Presence of Major Analogues of the Foreign Green Seaweed <i>Caulerpa taxifolia</i> Which is Invading the Northwestern Mediterranean. <i>Analytical Communications</i> , 1997, 34, 179-182.	2.2	7
60	Identification and characterization of Fenton oxidation products of surfactants by ionspray mass spectrometry and solid-phase microextraction gas chromatography mass spectrometry 1. Lauryl sulphate. , 1999, 13, 2140-2145.		6
61	Cations and Phenolic Compounds Concentrations in Fruits of Fig Plants Exposed to Moderate Levels of Salinity. <i>Antioxidants</i> , 2021, 10, 1865.	5.1	6
62	Characterisation of covalent copper and manganese organometallic complexes with Schiff bases by ionspray mass spectrometry. <i>Inorganica Chimica Acta</i> , 1998, 275-276, 462-469.	2.4	5
63	Identification and characterization of Fenton oxidation products of surfactants by electrospray mass spectrometry and solid phase microextraction gas chromatography/mass spectrometry. 3. Polyethoxylated fatty alcohols and nonylphenols. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1198-1206.	1.5	5
64	<i>Populus alba</i> dioctyl phthalate uptake from contaminated water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25564-25572.	5.3	5
65	<i>Populus alba</i> tolerates and efficiently removes caffeine and zinc excesses using an organ allocation strategy. <i>Plant Growth Regulation</i> , 2020, 92, 597-606.	3.4	5
66	Chemical synthesis via metal atoms: preparation and X-ray structure of (1,3- λ^3 -cyclo-octa-5,6-dienyl)bis(triphenylphosphine)rhodium(I). <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 232-233.	2.0	4
67	Removal of multi-contaminants from water by association of poplar and Brassica plants in a short-term growth chamber experiment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16323-16333.	5.3	4
68	Ion scanning or ion trapping: Why not both?. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1152-1173.	5.4	4
69	Data transfer from a DEC PDP-11 based mass spectrometry data station to an MS-DOS personal computer. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 582-584.	1.5	1
70	ESI and APCI LC-MS/MS in Model Investigations on the Absorption and Transformation of Organic Xenobiotics by Poplar Plants (<i>Populus alba</i> L.). <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 241-266.	1.3	1
71	Cocoa Bar Antioxidant Profile Enrichment with Underutilized Apples Varieties. <i>Antioxidants</i> , 2022, 11, 694.	5.1	1
72	Identification of an Impurity in the Synthesis of Pharmacologically Active Pyrazolotriazolopyrimidines by a Combined Spectrometric Approach. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1939-1945.	1.5	0

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73	Unexpected reaction of β -cyclodextrin tosylate with pyrrolidinones. Carbohydrate Research, 2006, 341, 2126-2130.	2.3	0