

# Federica Ianni

## List of Publications by Year in descending order

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81  
papers

1,361  
citations

331670

21  
h-index

434195

31  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1562  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Novel Lipopeptide Poaeamide of the Endophyte <i>Pseudomonas poae</i> RE*1-1-14 Is Involved in Pathogen Suppression and Root Colonization. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 800-810.	2.6	105
2	Determination of bile salt critical micellization concentration on the road to drug discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 62-81.	2.8	65
3	The effect of mobile phase composition in the enantioseparation of pharmaceutically relevant compounds with polysaccharide-based stationary phases. <i>Biomedical Chromatography</i> , 2014, 28, 159-167.	1.7	51
4	Direct enantioseparation of underivatized aliphatic 3-hydroxyalkanoic acids with a quinine-based zwitterionic chiral stationary phase. <i>Journal of Chromatography A</i> , 2014, 1363, 101-108.	3.7	51
5	Achiral-chiral two-dimensional chromatography of free amino acids in milk: A promising tool for detecting different levels of mastitis in cows. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 116, 40-46.	2.8	40
6	Onion ( <i>Allium cepa</i> L.) Skin: A Rich Resource of Biomolecules for the Sustainable Production of Colored Biofunctional Textiles. <i>Molecules</i> , 2019, 24, 634.	3.8	37
7	Deep Eutectic Solvents formed by chiral components as chiral reaction media and studies of their structural properties. <i>Journal of Molecular Liquids</i> , 2018, 262, 285-294.	4.9	36
8	Antioxidant activity of phenolic extracts from different cultivars of Italian onion ( <i>Allium cepa</i> ) and relative human immune cell proliferative induction. <i>Pharmaceutical Biology</i> , 2016, 54, 799-806.	2.9	34
9	Combined monodimensional chromatographic approaches to monitor the presence of d-amino acids in cheese. <i>Food Control</i> , 2013, 34, 478-487.	5.5	33
10	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021, 12, 4447.	12.8	30
11	Diastereo- and enantioseparation of a $\pm$ -Boc amino acid with a zwitterionic quinine-based stationary phase: Focus on the stereorecognition mechanism. <i>Analytica Chimica Acta</i> , 2015, 885, 174-182.	5.4	28
12	Methods for the comprehensive structural elucidation of constitution and stereochemistry of lipopeptides. <i>Journal of Chromatography A</i> , 2016, 1428, 280-291.	3.7	28
13	Impact of Ultrasound Extraction Parameters on the Antioxidant Properties of Moringa Oleifera Leaves. <i>Antioxidants</i> , 2020, 9, 277.	5.1	28
14	Synthesis and chromatographic enantioresolution of anti-HIV quinolone derivatives. <i>Talanta</i> , 2011, 85, 1392-1397.	5.5	27
15	Chromatographic separation and biological evaluation of benzimidazole derivative enantiomers as inhibitors of leukotriene biosynthesis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 89, 88-92.	2.8	27
16	Quinine-Based Zwitterionic Chiral Stationary Phase as a Complementary Tool for Peptide Analysis: Mobile Phase Effects on Enantio- and Stereoselectivity of Underivatized Oligopeptides. <i>Chirality</i> , 2016, 28, 5-16.	2.6	27
17	Cucurbitacin IIb, a steroidal triterpene from <i>Ibervillea sonorae</i> induces antiproliferative and apoptotic effects on cervical and lung cancer cells. <i>Steroids</i> , 2020, 157, 108597.	1.8	27
18	Last ten years (2008-2018) of chiral ligand-exchange chromatography in HPLC: An updated review. <i>Journal of Separation Science</i> , 2019, 42, 21-37.	2.5	25

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19	Enantioselective high-performance liquid chromatography analysis of oxygenated polyunsaturated fatty acids. <i>Free Radical Biology and Medicine</i> , 2019, 144, 35-54.	2.9	24
20	Laboratory-Scale Preparative Enantioseparations of Pharmaceutically Relevant Compounds on Commercially Available Chiral Stationary Phases for HPLC. <i>Current Medicinal Chemistry</i> , 2017, 24, 796-817.	2.4	24
21	Ultrasound-Assisted Extraction and Characterization of Polyphenols from Apple Pomace, Functional Ingredients for Beef Burger Fortification. <i>Molecules</i> , 2022, 27, 1933.	3.8	24
22	Direct chromatographic enantioresolution of fully constrained $\beta$ -amino acids: exploring the use of high-molecular weight chiral selectors. <i>Amino Acids</i> , 2014, 46, 1235-1242.	2.7	22
23	Chromatographic separation of free dafachronic acid epimers with a novel triazole click quinidine-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2014, 1339, 96-102.	3.7	20
24	Liquid chromatography separation of $\Delta^{\pm}$ - and $\Delta^3$ -linolenic acid positional isomers with a stationary phase based on covalently immobilized cellulose tris(3,5-dichlorophenylcarbamate). <i>Journal of Chromatography A</i> , 2020, 1609, 460461.	3.7	20
25	Chiral mobile phase in ligand-exchange chromatography of amino acids: Exploring the copper(II) salt anion effect with a computational approach. <i>Journal of Chromatography A</i> , 2012, 1269, 316-324.	3.7	18
26	Computational studies for the elucidation of the enantiomer elution order of amino acids in chiral ligand-exchange chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 7523-7527.	3.7	17
27	Fragment-based approach to identify IDO1 inhibitor building blocks. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 169-177.	5.5	17
28	2-Phenylquinazolinones as dual-activity tankyrase-kinase inhibitors. <i>Scientific Reports</i> , 2018, 8, 1680.	3.3	16
29	Electrostatic attraction-repulsion model with Cinchona alkaloid-based zwitterionic chiral stationary phases exemplified for zwitterionic analytes. <i>Analytica Chimica Acta</i> , 2019, 1078, 212-220.	5.4	16
30	Extraction Optimization by Experimental Design of Bioactives from <i>Pleurotus ostreatus</i> and Evaluation of Antioxidant and Antimicrobial Activities. <i>Processes</i> , 2021, 9, 743.	2.8	16
31	Asymmetric synthesis of the four diastereoisomers of a novel non-steroidal farnesoid X receptor (FXR) agonist: Role of the chirality on the biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3780-3789.	3.0	15
32	Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharide-based stationary phases. <i>Journal of Separation Science</i> , 2018, 41, 1266-1273.	2.5	15
33	Exploring the enantiorecognition mechanism of Cinchona alkaloid-based zwitterionic chiral stationary phases and the basic <i>trans</i> -paroxetine enantiomers. <i>Journal of Separation Science</i> , 2018, 41, 1199-1207.	2.5	15
34	Hydrophilic interaction liquid chromatography of aminoglycoside antibiotics with a diol-type stationary phase. <i>Analytica Chimica Acta</i> , 2018, 1044, 174-180.	5.4	15
35	Phenolic Acids from <i>Lycium barbarum</i> Leaves: In Vitro and In Silico Studies of the Inhibitory Activity against Porcine Pancreatic $\beta$ -Amylase. <i>Processes</i> , 2020, 8, 1388.	2.8	15
36	HPLC/ELSD analysis of amidated bile acids: An effective and rapid way to assist continuous flow chemistry processes. <i>Talanta</i> , 2012, 100, 364-371.	5.5	14

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37	The "racemic approach" in the evaluation of the enantiomeric NorA efflux pump inhibition activity of 2-phenylquinoline derivatives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 182-189.	2.8	14
38	Fast chromatographic determination of the bile salt critical micellar concentration. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 267-274.	3.7	13
39	Simultaneous diastereo- and enantioseparation of farnesoid X receptor (FXR) agonists with a quinine carbamate-based chiral stationary phase. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 847-862.	3.7	13
40	UHPLC-UV/Vis Quantitative Analysis of Hydroxylated and O-prenylated Coumarins in Pomegranate Seed Extracts. <i>Molecules</i> , 2019, 24, 1963.	3.8	13
41	The Relationship between <i>S. aureus</i> and Branched-Chain Amino Acids Content in Composite Cow Milk. <i>Animals</i> , 2019, 9, 981.	2.3	13
42	Effective and Selective Extraction of Quercetin from Onion ( <i>Allium cepa</i> L.) Skin Waste Using Water Dilutions of Acid-Based Deep Eutectic Solvents. <i>Materials</i> , 2021, 14, 6465.	2.9	13
43	Chromatographic Enantioresolution of Six Purine Derivatives Endowed with Anti-Human Breast Cancer Activity. <i>Chromatographia</i> , 2013, 76, 475-482.	1.3	12
44	N-Decyl- S -trityl-( R )-cysteine, a new chiral selector for "green" ligand-exchange chromatography applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 31-40.	2.8	12
45	GC-MS/MS detects potential pregabalin abuse in susceptible subjects'™ hair. <i>Drug Testing and Analysis</i> , 2018, 10, 968-976.	2.6	12
46	Improved chromatographic diastereoresolution of cyclopropyl dafachronic acid derivatives using chiral anion exchangers. <i>Journal of Chromatography A</i> , 2018, 1557, 20-27.	3.7	12
47	Enantioresolution and stereochemical characterization of two chiral sulfoxides endowed with COX-2 inhibitory activity. <i>Chirality</i> , 2017, 29, 536-540.	2.6	11
48	Binding modes identification through molecular dynamic simulations: A case study with carnosine enantiomers and the Teicoplanin A2- based chiral stationary phase. <i>Journal of Separation Science</i> , 2020, 43, 1728-1736.	2.5	11
49	Chromatographic resolution of phenylethanol-azole racemic compounds highlighted stereoselective inhibition of heme oxygenase-1 by (R)-enantiomers. <i>Bioorganic Chemistry</i> , 2020, 99, 103777.	4.1	11
50	Investigation on chlorogenic acid stability in aqueous solution after microwave treatment. <i>Food Chemistry</i> , 2022, 374, 131820.	8.2	11
51	Novel orthogonal liquid chromatography methods to dose neurotransmitters involved in Parkinson's disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 253-259.	2.8	10
52	Hydrophobic Amino Acid Content in Onions as Potential Fingerprints of Geographical Origin: The Case of Rossa da Inverno sel. Rojo Duro. <i>Molecules</i> , 2018, 23, 1259.	3.8	10
53	Elucidation of the Chromatographic Enantiomer Elution Order Through Computational Studies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 18, 88-97.	2.4	10
54	Metabolomic Profiling and Biological Activities of <i>Pleurotus columbinus</i> Quã©l. Cultivated on Different Agri-Food Byproducts. <i>Antibiotics</i> , 2021, 10, 1245.	3.7	10

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55	S-Trityl-( <i>R</i> )-Cysteine, a Multipurpose Chiral Selector for Ligand-Exchange Liquid Chromatography Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2015, 45, 323-333.	3.5	9
56	Quantitative Evaluation of the Pyruvic Acid Content in Onion Samples with a Fully Validated High-Performance Liquid Chromatography Method. <i>International Journal of Food Properties</i> , 2016, 19, 752-759.	3.0	9
57	Low-Molecular-Weight Phenols Recovery by Eco-Friendly Extraction from <i>Quercus Spp.</i> Wastes: An Analytical and Biomass-Sustainability Evaluation. <i>Processes</i> , 2020, 8, 387.	2.8	9
58	Lipidomic profiling of <i>Pleurotus ostreatus</i> by LC/MS Q-TOF analysis. <i>Food Research International</i> , 2022, 156, 111335.	6.2	9
59	Application of the "inverted" chirality columns approach for the monitoring of asymmetric synthesis protocols. <i>Talanta</i> , 2019, 203, 147-152.	5.5	8
60	Transfer of a Multiclass Method for over 60 Antibiotics in Food from High Resolution to Low Resolution Mass Spectrometry. <i>Molecules</i> , 2019, 24, 2935.	3.8	7
61	The Relationships between Somatic Cells and Isoleucine, Leucine and Tyrosine Content in Cow Milk. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 349.	2.5	6
62	Is the Household Microwave Recommended to Obtain Antioxidant-Rich Extracts from <i>Lycium barbarum</i> Leaves?. <i>Processes</i> , 2021, 9, 656.	2.8	6
63	Exploiting Food-Grade Mesoporous Silica to Preserve the Antioxidant Properties of Fresh Olive Mill Wastewaters Phenolic Extracts. <i>Antioxidants</i> , 2021, 10, 1361.	5.1	6
64	Apple Pomace as Valuable Food Ingredient for Enhancing Nutritional and Antioxidant Properties of Italian Salami. <i>Antioxidants</i> , 2022, 11, 1221.	5.1	6
65	Development and validation of a HPLC method for the direct separation of carnosine enantiomers and analogues in dietary supplements. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121747.	2.3	5
66	Quantitative analysis of cucurbitane-type triterpenes in <i>Ibervillea sonorae</i> extracts: Relationship study with their antiproliferative activity. <i>Steroids</i> , 2020, 161, 108676.	1.8	5
67	Branched-chain Amino Acids as Potential Diagnostic and Prognostic Disease Biomarkers. <i>International Journal of Clinical Research &amp; Trials</i> , 2017, 2, .	1.6	5
68	Rapid Detection of D-amino Acids in Cheese with a Chiral Ligand- Exchange Chromatography System. <i>Current Analytical Chemistry</i> , 2012, 8, 319-327.	1.2	5
69	Chromatographic Characterization and In Vitro Bioactivity Evaluation of <i>Lactobacillus helveticus</i> Hydrolysates upon Fermentation of Different Substrates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 811.	2.5	4
70	Enantioseparation of novel anti-inflammatory chiral sulfoxides with two cellulose dichlorophenylcarbamate-based chiral stationary phases and polar-organic mobile phase(s). <i>Journal of Chromatography Open</i> , 2021, 1, 100022.	2.2	4
71	Use of an <i>o</i> -Benzyl-( <i>S</i> )-Serine Containing Eluent for the Efficient Ligand-Exchange Chromatography-Based Enantioseparation of Constrained Glutamate Receptor Ligands. <i>Analytical Letters</i> , 2015, 48, 383-395.	1.8	3
72	Cyclopropyl-containing sulfonyl amino acids: Exploring the enantioseparation through chiral ligand-exchange chromatography. <i>Russian Journal of General Chemistry</i> , 2017, 87, 1079-1084.	0.8	3

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73	Enantioseparations by High-Performance Liquid Chromatography Based on Chiral Ligand Exchange. <i>Methods in Molecular Biology</i> , 2019, 1985, 279-302.	0.9	3
74	Integrating experimental and computational techniques to study chromatographic enantioresolutions of chiral tetrahydroindazole derivatives. <i>Journal of Chromatography A</i> , 2020, 1625, 461310.	3.7	3
75	In-depth characterization of phenolic profiling of Moraiolo extra-virgin olive oil extract and initial investigation of the inhibitory effect on Indoleamine-2,3-Dioxygenase (IDO1) enzyme. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 213, 114688.	2.8	3
76	Enantioseparations by High-Performance Liquid Chromatography Based on Chiral Ligand-Exchange. <i>Methods in Molecular Biology</i> , 2013, 970, 191-208.	0.9	2
77	Quantitative assay of capreomycin oleate levels in a drug formulation for inhalation with a fully validated HPLC method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 413-418.	2.8	2
78	Laboratory-Scale Semipreparative Enantioresolution of Phenylethanolic-Azole Heme Oxygenase-1 Inhibitors. <i>Chromatographia</i> , 2020, 83, 1509-1515.	1.3	2
79	Initial In Vivo Evaluation of a Novel Amikacin-Deoxycholate Hydrophobic Salt Delivers New Insights on Amikacin Partition in Blood and Tissues. <i>Pharmaceutics</i> , 2021, 13, 85.	4.5	1
80	Importance of Quantitative Analysis of Toxic Biogenic Amines in Food Matrices. <i>International Journal of Clinical Research &amp; Trials</i> , 2018, 3, .	1.6	1
81	Optimized Extraction of Amikacin from Murine Whole Blood. <i>Molecules</i> , 2021, 26, 665.	3.8	0