

# Benedetto Natalini

## List of Publications by Year in descending order

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67  
papers

1,371  
citations

304743

22  
h-index

414414

32  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and validation of a chiral UHPLC-MS method for the analysis of cysteine enantiomers in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112841.	2.8	33
2	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
3	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
4	Application of the “inverted chirality columns approach” for the monitoring of asymmetric synthesis protocols. <i>Talanta</i> , 2019, 203, 147-152.	5.5	8
5	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
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	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
8	GC–MS/MS detects potential pregabalin abuse in susceptible subjects’ hair. <i>Drug Testing and Analysis</i> , 2018, 10, 968-976.	2.6	12
9	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
10	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
11	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
12	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
13	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
14	Enantioresolution and stereochemical characterization of two chiral sulfoxides endowed with COX–2 inhibitory activity. <i>Chirality</i> , 2017, 29, 536-540.	2.6	11
15	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
16	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
17	Mechanistic considerations of enantiorecognition on novel Cinchona alkaloid-based zwitterionic chiral stationary phases from the aspect of the separation of trans-paroxetine enantiomers as model compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 164-173.	2.8	39
18	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

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19	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
20	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
21	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
22	- Mechanistic Aspects of Chiral Recognition on Protein-Based Stationary Phases. , 2016, 49, 46-79.		2
23	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
24	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
25	Diastereo- and enantioseparation of a $\beta$ -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
26	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
27	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
28	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
29	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
30	Ketoprofen enantioseparation with a Cinchona alkaloid based stationary phase: Enantio-recognition mechanism and release studies. <i>Journal of Separation Science</i> , 2014, 37, 2696-2703.	2.5	18
31	Enantioresolution, stereochemical characterization and biological activity of a chiral large-conductance calcium-activated potassium channel opener. <i>Journal of Chromatography A</i> , 2014, 1363, 162-168.	3.7	20
32	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
33	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
34	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
35	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
36	Chromatographic Enantioresolution of Six Purine Derivatives Endowed with Anti-Human Breast Cancer Activity. <i>Chromatographia</i> , 2013, 76, 475-482.	1.3	12

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37	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
38	Synthesis and Quantitative Structure-Property Relationships of Side Chain-Modified Hyodeoxycholic Acid Derivatives. <i>Molecules</i> , 2013, 18, 10497-10513.	3.8	6
39	8.8 Chromatographic Separations and Analysis: Chiral Ion and Ligand Exchange Stationary Phases. , 2012, , 115-152.		6
40	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
41	Novel stereoselective synthesis and chromatographic evaluation of E-guggulsterone. <i>Steroids</i> , 2012, 77, 250-254.	1.8	16
42	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
43	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
44	Synthesis and chromatographic enantioresolution of anti-HIV quinolone derivatives. <i>Talanta</i> , 2011, 85, 1392-1397.	5.5	27
45	Fast chromatographic determination of the bile salt critical micellar concentration. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 267-274.	3.7	13
46	Chiral ligand-exchange separation and resolution of extremely rigid glutamate analogs: 1-aminospiro[2.2]pentyl-1,4-dicarboxylic acids. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1997-2011.	3.7	12
47	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
48	Side-chain modified bile acids: chromatographic separation of 23-methyl epimers. <i>Journal of Separation Science</i> , 2009, 32, 2022-2033.	2.5	9
49	The effect of the copper(II) salt anion in the Chiral Ligand-Exchange Chromatography of amino acids. <i>Analytica Chimica Acta</i> , 2009, 638, 225-233.	5.4	29
50	(S)-Trityl-L-cysteine, a powerful chiral selector for the analytical and preparative ligand-exchange chromatography of amino acids. <i>Journal of Separation Science</i> , 2008, 31, 696-704.	2.5	36
51	In-line coupling of a reversed-phase column to cope with limited chemoselectivity of a quinine carbamate-based anion-exchange type chiral stationary phase. <i>Journal of Separation Science</i> , 2008, 31, 1702-1711.	2.5	21
52	Descriptive structure-separation relationship studies in chiral ligand-exchange chromatography. <i>Journal of Separation Science</i> , 2008, 31, 2395-2403.	2.5	14
53	Enantioselective HPLC of potentially CNS-active acidic amino acids with a cinchona carbamate based chiral stationary phase. <i>Chirality</i> , 2008, 20, 571-576.	2.6	30
54	Cysteine-based chiral selectors for the ligand-exchange separation of amino acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 108-117.	2.3	25

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55	(S)-( $\alpha$ )- $\beta$ -Di(2-naphthyl)-2-pyrrolidinemethanol, a useful tool to study the recognition mechanism in chiral ligand-exchange chromatography. <i>Journal of Separation Science</i> , 2007, 30, 21-27.	2.5	16
56	Dynamic ligand-exchange chiral stationary phase from S-benzyl-(R)-cysteine. <i>Chirality</i> , 2006, 18, 509-518.	2.6	31
57	Synthesis and Preliminary Biological Evaluation of 2-Substituted 2-(3-Carboxybicyclo[1.1.1]pentyl)glycine Derivatives as Group I Selective Metabotropic Glutamate Receptor Ligands. <i>ChemMedChem</i> , 2006, 1, 358-365.	3.2	24
58	O-Benzyl-(S)-Serine, a New Chiral Selector for Ligand-Exchange Chromatography of Amino Acids. <i>Current Analytical Chemistry</i> , 2005, 1, 85-92.	1.2	20
59	Preparative resolution of 1-aminoindan-1,5-dicarboxylic acid (AIDA) by chiral ligand-exchange chromatography. <i>Chirality</i> , 2004, 16, 314-317.	2.6	28
60	Evaluation of the enantiomeric selectivity in the chiral ligand-exchange chromatography of amino acids by a computational model. <i>Journal of Chromatography A</i> , 2004, 1033, 363-367.	3.7	16
61	Isolation of pure (2S,1 $\alpha$ S,2 $\alpha$ S)-2-(2-carboxycyclopropyl)glycine from <i>Blighia sapida</i> (Akee). <i>Journal of Chromatography A</i> , 2000, 873, 283-286.	3.7	16
62	Synthesis and Pharmacological Characterization of All Sixteen Stereoisomers of 2-(2-Carboxy-3-phenylcyclopropyl)glycine. Focus on (2S,1 $\alpha$ S,2 $\alpha$ S,3 $\alpha$ R)-2-(2-Carboxy-3-phenylcyclopropyl)glycine, a Novel and Selective Group II Metabotropic Glutamate Receptors Antagonist. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 2259-2269.	6.4	107
63	Synthesis and biological evaluation of 6-carboxy-3,4-methanoprolines, new rigid glutamate analogs. <i>Il Farmaco</i> , 1995, 50, 327-31.	0.9	6
64	Synthesis and biological evaluation of cyclopropyl analogs of 2-amino-5-phosphonopentanoic acid. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 161-168.	6.4	50
65	Synthesis, absolute configuration and activity at N-methyl-D-aspartic acid (NMDA) receptor of the four D-2-amino-4,5-methano-adipate diastereoisomers. <i>Il Farmaco</i> , 1991, 46, 1243-64.	0.9	7
66	D-3,4-cyclopropylglutamate isomers as nmda receptor ligands: Synthesis and enantioselective activity.. <i>Tetrahedron Letters</i> , 1990, 31, 139-142.	1.4	46
67	Characterization of d-3,4-cyclopropylglutamates as receptor agonists. <i>Neuroscience Letters</i> , 1990, 112, 328-332.	2.1	8