

Carlo Siciliano

List of Publications by Year in descending order

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79
papers

1,680
citations

218677

26
h-index

361022

35
g-index

91
all docs

91
docs citations

91
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative determination of fatty acid chain composition in pork meat products by high resolution ¹ H NMR spectroscopy. <i>Food Chemistry</i> , 2013, 136, 546-554.	8.2	86
2	General, Mild, and Metal-Free Synthesis of Phenyl Selenoesters from Anhydrides and Their Use in Peptide Synthesis. <i>Journal of Organic Chemistry</i> , 2017, 82, 4588-4603.	3.2	66
3	Determination by gas chromatography/mass spectrometry of p-phenylenediamine in hair dyes after conversion to an imine derivative. <i>Journal of Chromatography A</i> , 2005, 1066, 143-148.	3.7	58
4	N-Methylated α -Amino Acids And Peptides: Synthesis And Biological Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 683-690.	2.4	56
5	Synthesis of a TMC-95A Ketomethylene Analogue by Cyclization via Intramolecular Suzuki Coupling. <i>Organic Letters</i> , 2003, 5, 3435-3437.	4.6	55
6	α -Methylation of N-Nosyl- α -amino Acid Methyl Esters with Diazomethane and Their Coupling To Prepare N-Methyl Dipeptides. <i>Journal of Organic Chemistry</i> , 2003, 68, 7416-7421.	3.2	50
7	Binding Mode of TMC-95A Analogues to Eukaryotic 20S Proteasome. <i>ChemBioChem</i> , 2004, 5, 1256-1266.	2.6	47
8	Synthesis of 4-aza analogues of 2,3-dideoxythymidine by 1,3-dipolar cycloadditions of nitrones to 1-N-vinyl-thymine. <i>Tetrahedron Letters</i> , 1996, 37, 1277-1280.	1.4	46
9	TMC-95A Analogues with Endocyclic Biphenyl Ether Group as Proteasome Inhibitors. <i>Chemistry and Biodiversity</i> , 2004, 1, 161-173.	2.1	43
10	A major allergen in rainbow trout (<i>Oncorhynchus mykiss</i>): complete sequences of parvalbumin by MALDI tandem mass spectrometry. <i>Molecular BioSystems</i> , 2015, 11, 2373-2382.	2.9	43
11	A rapid MALDI MS/MS based method for assessing saffron (<i>Crocus sativus</i> L.) adulteration. <i>Food Chemistry</i> , 2020, 307, 125527.	8.2	42
12	Comparison of the Volatile Constituents in Cold-Pressed Bergamot Oil and a Volatile Oil Isolated by Vacuum Distillation. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7847-7851.	5.2	40
13	Removal of unleaded gasoline from water by multi-walled carbon nanotubes. <i>Journal of Environmental Management</i> , 2019, 237, 636-643.	7.8	40
14	Study of the coordination of ortho-tyrosine and trans-4-hydroxyproline with aluminum(III) and iron(III). <i>Journal of Molecular Liquids</i> , 2018, 269, 387-397.	4.9	36
15	Simultaneous extraction and derivatization of amino acids and free fatty acids in meat products. <i>Journal of Chromatography A</i> , 2012, 1241, 96-102.	3.7	32
16	N-hydroxysuccinimidyl p-methoxybenzoate as suitable derivative reagent for isotopic dilution assay of biogenic amines in food. <i>Journal of Mass Spectrometry</i> , 2014, 49, 802-810.	1.6	32
17	Synthesis of d-erythro-Sphinganine through Serine-Derived α -Amino Epoxides. <i>Journal of Organic Chemistry</i> , 2014, 79, 5320-5326.	3.2	32
18	Molecular species fingerprinting and quantitative analysis of saffron (<i>Crocus sativus</i> L.) for quality control by MALDI mass spectrometry. <i>RSC Advances</i> , 2018, 8, 36104-36113.	3.6	31

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19	Facile Approach to Enantiomerically Pure $\hat{\pm}$ -Amino Ketones by Friedelâ€”Crafts Aminoacylation and Their Conversion into Peptidyl Ketones. <i>Journal of Organic Chemistry</i> , 2001, 66, 7002-7007.	3.2	30
20	Simple and efficient routes for the preparation of isoxazolidinyl nucleosides containing cytosine and 5-methyl-cytosine as new potential anti-HIV drugs. <i>Tetrahedron</i> , 2001, 57, 8551-8557.	1.9	29
21	N-Alkylation of N-arylsulfonyl- $\hat{\pm}$ -amino acid methyl esters by trialkyloxonium tetrafluoroborates. <i>Tetrahedron</i> , 2011, 67, 9708-9714.	1.9	29
22	A unified strategy for the synthesis of three conical marine natural products. <i>Tetrahedron</i> , 2015, 71, 3253-3262.	1.9	29
23	N-Methyl-N-nosyl- $\hat{\pm}$ -3-amino Acids. <i>Journal of Organic Chemistry</i> , 2007, 72, 4798-4802.	3.2	28
24	A preparation of N-Fmoc-N-methyl- $\hat{\pm}$ -amino acids and N-nosyl-N-methyl- $\hat{\pm}$ -amino acids. <i>Amino Acids</i> , 2010, 38, 133-143.	2.7	28
25	Deprotection/reprotection of the amino group in $\hat{\pm}$ -amino acids and peptides. A one-pot procedure in [Bmim][BF ₄] ionic liquid. <i>RSC Advances</i> , 2014, 4, 2678-2686.	3.6	28
26	Human coelomic fluid investigation: A MS-based analytical approach to prenatal screening. <i>Scientific Reports</i> , 2018, 8, 10973.	3.3	28
27	A One-Pot Procedure for the Preparation of <i><i>N</i>-9-Fluorenylmethoxycarbonyl-$\hat{\pm}$-amino Diazoketones from $\hat{\pm}$-Amino Acids. <i>Journal of Organic Chemistry</i>, 2012, 77, 10575-10582.</i>	3.2	26
28	Site Selectivity in the Synthesis of O-Methylated Hydroxamic Acids with Diazomethane. <i>Journal of Organic Chemistry</i> , 2001, 66, 2246-2250.	3.2	25
29	A new non-natural arginine-like amino acid derivative with a sulfamoyl group in the side-chain. <i>Amino Acids</i> , 2010, 38, 691-700.	2.7	25
30	Intramolecular Displacement of Phenylselenone by a Hydroxy Group: Stereoselective Synthesis of 2-Substituted Tetrahydrofurans. <i>Organic Letters</i> , 2013, 15, 3906-3909.	4.6	23
31	Model studies towards the synthesis of 4- $\hat{\pm}$ -azaerythrofuranosyladenines as analogues of the antiviral drug 2- $\hat{\pm}$,3- $\hat{\pm}$ -dideoxyadenosine (ddA). <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 3097-3100.	0.9	22
32	New Strategies for an Efficient Removal of the 9-Fluorenylmethoxycarbonyl (Fmoc) Protecting Group in the Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 573-575.	2.4	21
33	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves (Citrus) Tj ETQq1 1 0,784314 rgBT /Overl	3.8	21
34	Alternative and Chemoselective Deprotection of the γ -Amino and Carboxy Functions of N-Fmoc-Amino Acid and N-Fmoc-Dipeptide Methyl Esters by Modulation of the Molar Ratio in the AlCl ₃ /N,N-Dimethylaniline Reagent System. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4437-4441.	2.4	20
35	Optically Pure N-Hydroxy-O-triisopropylsilyl- $\hat{\pm}$ -l-amino Acid Methyl Esters from AlCl ₃ -Assisted Ring Opening of Chiral Oxaziridines by Nitrogen Containing Nucleophiles. <i>Journal of Organic Chemistry</i> , 2005, 70, 10494-10501.	3.2	20
36	Quantitative analysis of human salivary glucose by gas chromatographyâ€”mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 801, 355-358.	2.3	19

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37	Semi-Continuous Adsorption Processes with Multi-Walled Carbon Nanotubes for the Treatment of Water Contaminated by an Organic Textile Dye. <i>Applied Sciences</i> (Switzerland), 2021, 11, 1687.	2.5	19
38	Deep Eutectic Solvents for Improving the Solubilization and Delivery of Dapsone. <i>Pharmaceutics</i> , 2022, 14, 333.	4.5	19
39	A Novel Class of 4-aza Analogues of 2,3-Dideoxynucleosides as Potential Anti-HIV Drugs. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1515-1518.	0.5	18
40	Stereoselective Synthesis of Dithia[3.3]cyclophane <i>S</i> , <i>S</i> -Dioxides with Planar and Central Chirality. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2099-2104.	2.4	18
41	Chemoselective Protection of Glutathione in the Preparation of Bioconjugates: The Case of Trypanothione Disulfide. <i>Journal of Organic Chemistry</i> , 2016, 81, 4353-4358.	3.2	17
42	Adsorption of Reactive Blue 116 Dye and Reactive Yellow 81 Dye from Aqueous Solutions by Multi-Walled Carbon Nanotubes. <i>Materials</i> , 2020, 13, 2757.	2.9	17
43	The Role of Carbon Nanotube Pretreatments in the Adsorption of Benzoic Acid. <i>Materials</i> , 2021, 14, 2118.	2.9	16
44	PREPARATION AND CHARACTERIZATION OF NATURAL GLUES WITH CARBON NANOTUBES. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 1659-1671.	0.6	16
45	Water Contaminated by Industrial Textile Dye: Study on Decolorization Process. <i>Environments - MDPI</i> , 2019, 6, 101.	3.3	15
46	Exploration of synthetic strategies for the stereoselective preparation of novel tetrahydrofuran-containing biaryls: A high-pressure promoted Diels-Alder approach. <i>Tetrahedron</i> , 2018, 74, 6534-6543.	1.9	13
47	Synthesis of Two 6-N-Protected 9-N-Vinyladenines as Dipolarophiles in the Synthesis of Modified Nucleosides. <i>Synthetic Communications</i> , 1996, 26, 4211-4217.	2.1	11
48	A straightforward chemical synthesis of 17-ketosteroids by cleavage of the C-17-dihydroxy acetone side chain in corticosteroids. <i>Steroids</i> , 2003, 68, 139-142.	1.8	11
49	Silver acetate-assisted formation of amides from acyl chlorides. <i>Tetrahedron Letters</i> , 2015, 56, 199-202.	1.4	11
50	One-Pot Analysis: a New Integrated Methodology for Determination of TAG and FA Determination through LC/MS and in-silico Saponification. <i>Food Analytical Methods</i> , 2018, 11, 873-882.	2.6	11
51	Cloning, Purification, and Characterization of the Catalytic C-Terminal Domain of the Human 3-Hydroxy-3-methyl glutaryl-CoA Reductase: An Effective, Fast, and Easy Method for Testing Hypocholesterolemic Compounds. <i>Molecular Biotechnology</i> , 2020, 62, 119-131.	2.4	11
52	Dry Fermented Sausages of Southern Italy: A Comparison of Free Amino Acids and Biogenic Amines between Industrial and Homemade Products. <i>Journal of Food Science</i> , 2012, 77, S170-5.	3.1	10
53	New access to 4-aryl[2,2]paracyclophanes by high-pressure Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2016, 57, 917-919.	1.4	10
54	A simple procedure for the development of acid-labile protecting groups on position 2 and 3 of methyl β -D-glucopyranoside. <i>Tetrahedron Letters</i> , 1999, 40, 1013-1014.	1.4	9

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55	Synthesis of Isoxazolidino Analogues of 2',3'-Dideoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 581-583.	0.5	9
56	2,3-Diaminopropanols Obtained from d-Serine as Intermediates in the Synthesis of Protected 2,3-l-Diaminopropanoic Acid (l-Dap) Methyl Esters. <i>Molecules</i> , 2020, 25, 1313.	3.8	9
57	A facile approach to steroidal 20-hydroxy-17(20)-en-21-aldehydes: important intermediates in the biological 17-dehydroxylation of C-17 dihydroxyacetone steroids. <i>Tetrahedron Letters</i> , 2001, 42, 7413-7415.	1.4	8
58	Highly Stereoselective Conversion of Aryl Peptidyl Ketones into the Corresponding Peptide Alcohols. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 463-467.	2.4	8
59	Methylation of α -Amino Acids and Derivatives Using Trimethylsilyldiazomethane. <i>Chemical Biology and Drug Design</i> , 2009, 73, 287-291.	3.2	8
60	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopesâ€“6. <i>Molecules</i> , 2020, 25, 119.	3.8	8
61	Analytical Strategy for MS-Based Thanatochemistry to Estimate Postmortem Interval. <i>Journal of Proteome Research</i> , 2021, 20, 2607-2617.	3.7	8
62	Synthesis and Antiproliferative Activity of Novel Dehydroabietic Acid-Chalcone Hybrids. <i>Molecules</i> , 2022, 27, 3623.	3.8	8
63	Structural characterization of isoxazolidinyl nucleosides by fast atom bombardment tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1220-1225.	1.6	7
64	Highly Stereoselective Synthesis of Optically Pure C-Aryl Imines from α -l-Amino Acid Methyl Esters. <i>Synthetic Communications</i> , 2003, 33, 4331-4338.	2.1	7
65	Lewis acid catalysed methylation of <i>N</i> -(9-fluorenyl)methanesulfonyl (Fms) protected lipophilic α -amino acid methyl esters. <i>Journal of Peptide Science</i> , 2015, 21, 644-650.	1.4	7
66	Preparation of ETS-10 Microporous Phase Pellets with Color Change Properties. <i>Gels</i> , 2019, 5, 42.	4.5	7
67	Synthesis of enantiopure sugar-decorated six-armed triptycene derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2410-2416.	2.2	6
68	Chemoselective and metal-free reduction of α,β -unsaturated ketones by <i>in situ</i> produced benzeneselenol from <i>O</i> -(<i>tert</i> -butyl) Se-phenyl selenocarbonate. <i>RSC Advances</i> , 2020, 10, 33706-33717.	3.6	6
69	Formation by fast atom bombardment of molecular radical cations by electron donor-acceptor complexes from tosylated amino acid esters. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1284-1290.	1.6	5
70	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopesâ€“5. <i>Molecules</i> , 2019, 24, 2415.	3.8	5
71	Recovery of Biophenols from Olive Vegetation Waters by Carbon Nanotubes. <i>Materials</i> , 2022, 15, 2893.	2.9	5
72	D-homoannulation of 17 α ,21-dihydroxy-20-keto steroids (corticosteroids). <i>Steroids</i> , 2006, 71, 1091-1096.	1.8	4

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73	Extraction of Quinolizidine Alkaloids in Non Aqueous Basic Conditions: The Case of Spartium junceum Flowers. <i>Chromatographia</i> , 2008, 68, 345-349.	1.3	4
74	Transformations of 3 α -Hydroxy Steroids with Lewis and Anhydrous Protic Acids: The Case of Pregnane-4 α -en-3 β ,17 β ,20 β -triol. <i>Chemical Biology and Drug Design</i> , 2011, 78, 269-276.	3.2	4
75	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes-4. <i>Molecules</i> , 2019, 24, 130.	3.8	4
76	Synthesis of Chiral Nitrones from N α -Fmoc Amino Acids and N α -Fmoc Dipeptides. <i>Synthetic Communications</i> , 2004, 34, 3325-3334.	2.1	2
77	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes-2. <i>Molecules</i> , 2018, 23, 65.	3.8	2
78	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes-3. <i>Molecules</i> , 2018, 23, 1596.	3.8	1
79	(Phenylseleno)acetic acid based precursor for the regiospecific synthesis of 1-phenylseleno-2-alkanones*. <i>Synthetic Communications</i> , 2022, 52, 1318-1325.	2.1	0