

Cristina Forzato

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optical Rotation Calculation of a Highly Flexible Molecule: The Case of Paraconic Acid. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1449-1453.	1.1	91
2	Interaction of chlorogenic acids and quinides from coffee with human serum albumin. <i>Food Chemistry</i> , 2015, 168, 332-340.	4.2	72
3	Synthesis of (+)- and (âˆ™)-Phaseolinic Acid by Combination of Enzymatic Hydrolysis and Chemical Transformations with Revision of the Absolute Configuration of the Natural Product. <i>Journal of Organic Chemistry</i> , 1998, 63, 2385-2388.	1.7	54
4	Microbial bioreductions of Î³- and Î´-ketoacids and their esters. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1039-1046.	1.8	43
5	Atom transfer radical cyclization (ATRC) applied to a chemoenzymatic synthesis of Quercus lactones. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 527-536.	1.8	41
6	NMR quantification of 16-O-methylcafestol and kahweol in <i>Coffea canephora</i> var. robusta beans from different geographical origins. <i>Food Control</i> , 2017, 75, 62-69.	2.8	38
7	Solvent effects on the conformational distribution and optical rotation of Î³-methyl paraconic acids and esters. <i>Chirality</i> , 2006, 18, 357-369.	1.3	32
8	Synthesis of all stereoisomers of cognac lactones via microbial reduction and enzymatic resolution strategies. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 505-511.	1.8	29
9	Interaction of coffee compounds with serum albumins. Part II: Diterpenes. <i>Food Chemistry</i> , 2016, 199, 502-508.	4.2	29
10	A facile route to (+)- and (â€“)-trans-tetrahydro-5-oxo-2-pentylfuran-3-carboxylic acid, precursors of (+)- and (â€“)-methylenolactocin. <i>Chemical Communications</i> , 1996, , 1289-1290.	2.2	26
11	Chemoenzymatic synthesis of enantioenriched 5-oxo-tetrahydro-3-furancarboxylic acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 617-625.	1.8	26
12	Biosensors and Sensing Systems for Rapid Analysis of Phenolic Compounds from Plants: A Comprehensive Review. <i>Biosensors</i> , 2020, 10, 105.	2.3	24
13	Bicyclic Î³-butyrolactones. Relation between conformation of the lactone ring and chiroptical properties. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 4101-4110.	1.8	23
14	A combined experimental and computational strategy in the assignment of absolute configurations of 4-methyl-5-oxo-tetrahydrofuran-3-carboxylic acids and their esters. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3011-3023.	1.8	23
15	Chemoenzymatic synthesis of diastereomeric ethyl Î³-benzyl paraconates and determination of the absolute configurations of their acids. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2344-2353.	1.8	20
16	Organocatalyzed synthesis of chiral non-racemic 1,4-dihydropyridazines. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 617-622.	1.8	20
17	A new and effective route to (Â±)-botryodiplodin and (Â±)-epi-botryodiplodin acetates using a halogen atom transfer Uenoâ€“Stork cyclization. <i>Tetrahedron Letters</i> , 2006, 47, 7759-7762.	0.7	19
18	Chlorogenic Compounds from Coffee Beans Exert Activity against Respiratory Viruses. <i>Planta Medica</i> , 2017, 83, 615-623.	0.7	19

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19	Enzymatic kinetic resolution of hydroxystearic acids: A combined experimental and molecular modelling investigation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 83, 38-45.	1.8	17
20	Distribution of p-coumaroylquinic acids in commercial <i>Coffea</i> spp. of different geographical origin and in other wild coffee species. <i>Food Chemistry</i> , 2019, 286, 459-466.	4.2	17
21	Nitroalkylation and nitroalkenylation reactions of $\hat{\gamma}$ -lactone enolates. A facile ring switch from polysubstituted $\hat{\gamma}$ -lactones to polysubstituted $\hat{\gamma}$ -lactams. <i>Tetrahedron</i> , 2004, 60, 11011-11027.	1.0	15
22	On the reactivity of some 2-methyleneindolines with $\hat{\gamma}$ -nitroenamines, $\hat{\alpha}$ -nitroalkenes, and 1,2-diaza-1,3-butadienes. <i>Tetrahedron</i> , 2006, 62, 6420-6434.	1.0	15
23	Isolation and characterization of major diterpenes from <i>C. canephora</i> roasted coffee oil. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 649-656.	1.8	14
24	In Silico Design of Short Peptides as Sensing Elements for Phenolic Compounds. <i>ACS Sensors</i> , 2016, 1, 279-286.	4.0	14
25	Aqueous extracts of walnut (<i>Juglans regia</i> L.) leaves: quantitative analyses of hydroxycinnamic and chlorogenic acids. <i>Journal of Chromatographic Science</i> , 2018, 56, 753-760.	0.7	14
26	Synthesis of enantiomerically pure bicyclic condensed $\hat{\gamma}$ -lactones via microbial reduction and enzymic resolution strategies. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2599-2614.	1.8	13
27	Hydroxycinnamoyl Amino Acids Conjugates: A Chiral Pool to Distinguish Commercially Exploited <i>Coffea</i> spp.. <i>Molecules</i> , 2020, 25, 1704.	1.7	13
28	Baker's yeast reduction of cyclic $\hat{\gamma}$ -ketoesters: synthesis and chiroptical properties of condensed $\hat{\gamma}$ -lactones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1243-1254.	1.8	12
29	Synthesis of optically active $\hat{\alpha}$ -benzyl paraconic acids and their esters and assignment of their absolute configuration. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 313-321.	1.8	12
30	Synthesis of p-coumaroylquinic acids and analysis of their interconversion. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 419-427.	1.8	12
31	Oleocanthal Quantification Using ^1H NMR Spectroscopy and Polyphenols HPLC Analysis of Olive Oil from the Bianchera/Belica Cultivar. <i>Molecules</i> , 2021, 26, 242.	1.7	12
32	Baker's yeast reduction of 4-hetero-2-(2-nitroethyl)cyclohexanones. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1811-1820.	1.8	11
33	Chemoenzymatic synthesis of optically active 4-methyl-tetrahydro-5-oxo-2-furancarboxylic acids and esters. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1353-1366.	1.8	10
34	A study of the enantiopreference of lipase PS (<i>Pseudomonas cepacia</i>) towards diastereomeric dihydro-5-alkyl-4-hydroxymethyl-2(3H)-furanones. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1091-1102.	1.8	10
35	Synthesis of Mono-, Di-, and Tri- β -dimethoxycinnamoyl- β -quinolones. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1321-1326.	1.2	10
36	Chemoenzymatic and yeast-catalysed synthesis of diastereomeric ethyl $\hat{\gamma}$ -phenyl and $\hat{\gamma}$ -(n-pyridyl)paraconates. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2026-2036.	1.8	9

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37	The First Kinetic Enzymatic Resolution of Methyl Ester of C75. <i>Letters in Organic Chemistry</i> , 2010, 7, 245-248.	0.2	8
38	An Easy Route to Enantiomerically Enriched 7- and 8-Hydroxy Δ^7 -stearic Acids by Olefin-Metathesis-Based Approach. <i>Synlett</i> , 2016, 27, 1354-1358.	1.0	8
39	Bakers Yeast Reduction of PEG-Linked Acetoacetate. <i>Letters in Organic Chemistry</i> , 2005, 2, 89-91.	0.2	7
40	Synthesis, characterization and assignment of the absolute configuration of 4,4-dimethyl-5-oxo-tetrahydrofuran-3-carboxylic acid and its esters: a combined experimental and theoretical investigation. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1459-1467.	1.8	7
41	Application of 1,3 α -azomethine ylides derived from β -dicarbonyl compounds and L-proline to the synthesis of pyrrolizidines. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 664-670.	1.4	7
42	On the Absolute Configuration of Chiral 1,4-Dihydropyridazines Synthesized by Organocatalysed Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 11670-11679.	1.7	7
43	Interaction of the Coffee Diterpenes Cafestol and 16-O-Methyl-Cafestol Palmitates with Serum Albumins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1823.	1.8	5
44	Synthesis and biological resolution of condensed bicyclic isoparaconic acid β derivatives. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 2839-2842.	1.3	4
45	Optically Active β -Phenylethylamine as Efficient Organocatalyst in the Solvent-free Reactions Between 2,3-Butanedione and Conjugated Nitroolefins. <i>Chirality</i> , 2012, 24, 1005-1012.	1.3	4
46	An Efficient Synthesis of Chiral Non-Racemic Hydroxyalkanoic Acids by Olefin Cross-Metathesis Reactions. <i>ChemistrySelect</i> , 2018, 3, 13372-13376.	0.7	4
47	Bifunctional Behavior of a Porphyrin in Hydrogen-Bonded Donor-Acceptor Molecular Chains on a Gold Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7088-7096.	1.5	4
48	Signal-On Fluorescent Imprinted Nanoparticles for Sensing of Phenols in Aqueous Olive Leaves Extracts. <i>Nanomaterials</i> , 2020, 10, 1011.	1.9	4
49	Asymmetric resolution of diastereomeric 4-ethoxycarbonyl-5-pentyl- β -butyrolactones by crude PLE-mediated hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 3, 203-207.	1.8	3
50	First chemoenzymatic synthesis of (+)-2-carboxypyrrolidine β -acetic acid, the nucleus of kainoid amino acids. <i>Chirality</i> , 2012, 24, 112-118.	1.3	3
51	Enzymatic Resolution of β -Methyleneparaconic Acids and Evaluation of their Biological Activity. <i>Chirality</i> , 2015, 27, 239-246.	1.3	3
52	A Novel HPLC-Based Method to Investigate on RNA after Fixation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7540.	1.8	3
53	Fluorescent Imprinted Nanoparticles for the Effective Monitoring of Irinotecan in Human Plasma. <i>Nanomaterials</i> , 2020, 10, 1707.	1.9	3
54	In-Vitro Anthelmintic Activity of Sea Buckthorn (<i>Hippophae rhamnoides</i>) Berry Juice against Gastrointestinal Nematodes of Small Ruminants. <i>Biology</i> , 2022, 11, 825.	1.3	2

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55	Lipase-catalysed deacetylation of botryodiplodin acetate. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 447-450.	1.8	1
56	Synthesis, Enzymatic Resolution, and Stereochemical Characterization of Isoparaconic Acid Derivatives: A Combined Experimental and Theoretical Investigation. <i>Chirality</i> , 2014, 26, 640-650.	1.3	1