

# Cristina Forzato

## List of Publications by Citations

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papers

783  
citations

16  
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25  
g-index

68  
ext. papers

871  
ext. citations

3.9  
avg, IF

3.68  
L-index

#	Paper	IF	Citations
55	Optical rotation calculation of a highly flexible molecule: the case of paraconic acid. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 1449-53	2.8	80
54	Interaction of chlorogenic acids and quinides from coffee with human serum albumin. <i>Food Chemistry</i> , <b>2015</b> , 168, 332-40	8.5	66
53	Synthesis of (+)- and (–)-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> , <b>1998</b> , 63, 2385-2388	4.2	46
52	Microbial bioreductions of (–)- and (–)-ketoacids and their esters. <i>Tetrahedron: Asymmetry</i> , <b>2001</b> , 12, 1039-1046		39
51	Atom transfer radical cyclization (ATRC) applied to a chemoenzymatic synthesis of Quercus lactones. <i>Tetrahedron: Asymmetry</i> , <b>2007</b> , 18, 527-536		37
50	Solvent effects on the conformational distribution and optical rotation of gamma-methyl paraconic acids and esters. <i>Chirality</i> , <b>2006</b> , 18, 357-69	2.1	31
49	NMR quantification of 16-O-methylcafestol and kahweol in Coffea canephora var. robusta beans from different geographical origins. <i>Food Control</i> , <b>2017</b> , 75, 62-69	6.2	27
48	Interaction of coffee compounds with serum albumins. Part II: Diterpenes. <i>Food Chemistry</i> , <b>2016</b> , 199, 502-8	8.5	27
47	Chemoenzymatic synthesis of enantioenriched 5-oxo-tetrahydro-3-furancarboxylic acid derivatives. <i>Tetrahedron: Asymmetry</i> , <b>2004</b> , 15, 617-625		25
46	Synthesis of all stereoisomers of cognac lactones via microbial reduction and enzymatic resolution strategies. <i>Tetrahedron: Asymmetry</i> , <b>2001</b> , 12, 505-511		25
45	A facile route to (+)- and (–)-trans-tetrahydro-5-oxo-2-pentylfuran-3-carboxylic acid, precursors of (+)- and (–)-methylenolactocin. <i>Chemical Communications</i> , <b>1996</b> , 1289-1290	5.8	23
44	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> , <b>2005</b> , 16, 3011-3023		21
43	Bicyclic (–)-butyrolactones. Relation between conformation of the lactone ring and chiroptical properties. <i>Tetrahedron: Asymmetry</i> , <b>1997</b> , 8, 4101-4110		20
42	Organocatalyzed synthesis of chiral non-racemic 1,4-dihydropyridazines. <i>Tetrahedron: Asymmetry</i> , <b>2010</b> , 21, 617-622		19
41	Chemoenzymatic synthesis of diastereomeric ethyl (–)-benzyl paraconates and determination of the absolute configurations of their acids. <i>Tetrahedron: Asymmetry</i> , <b>2006</b> , 17, 2344-2353		18
40	A new and effective route to (–)-botryodiplodin and (–)-epi-botryodiplodin acetates using a halogen atom transfer Ueno-Stork cyclization. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 7759-7762	2	18
39	On the reactivity of some 2-methyleneindolines with (–)-nitroenamines, (–)-nitroalkenes, and 1,2-diaza-1,3-butadienes. <i>Tetrahedron</i> , <b>2006</b> , 62, 6420-6434	2.4	15

38	Chlorogenic Compounds from Coffee Beans Exert Activity against Respiratory Viruses. <i>Planta Medica</i> , <b>2017</b> , 83, 615-623	3.1	14
37	Nitroalkylation and nitroalkenylation reactions of $\beta$ -lactone enolates. A facile ring switch from polysubstituted $\beta$ -lactones to polysubstituted $\beta$ -lactams. <i>Tetrahedron</i> , <b>2004</b> , 60, 11011-11027	2.4	14
36	Biosensors and Sensing Systems for Rapid Analysis of Phenolic Compounds from Plants: A Comprehensive Review. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	14
35	Enzymatic kinetic resolution of hydroxystearic acids: A combined experimental and molecular modelling investigation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 83, 38-45		12
34	Synthesis of p-coumaroylquinic acids and analysis of their interconversion. <i>Tetrahedron: Asymmetry</i> , <b>2017</b> , 28, 419-427		11
33	In Silico Design of Short Peptides as Sensing Elements for Phenolic Compounds. <i>ACS Sensors</i> , <b>2016</b> , 1, 279-286	9.2	11
32	Synthesis of optically active $\beta$ -benzyl paraconic acids and their esters and assignment of their absolute configuration. <i>Tetrahedron: Asymmetry</i> , <b>2009</b> , 20, 313-321		11
31	Synthesis of enantiomerically pure bicyclic condensed $\beta$ -lactones via microbial reduction and enzymic resolution strategies. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 2599-2614		11
30	Isolation and characterization of major diterpenes from C. canephora roasted coffee oil. <i>Tetrahedron: Asymmetry</i> , <b>2016</b> , 27, 649-656		10
29	Distribution of p-coumaroylquinic acids in commercial Coffea spp. of different geographical origin and in other wild coffee species. <i>Food Chemistry</i> , <b>2019</b> , 286, 459-466	8.5	10
28	Synthesis of Mono-, Di-, and Tri-3,4-dimethoxycinnamoyl-1,5- $\beta$ -quinides. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 1321-1326	3.2	9
27	A study of the enantioselectivity of lipase PS ( <i>Pseudomonas cepacia</i> ) towards diastereomeric dihydro-5-alkyl-4-hydroxymethyl-2(3H)-furanones. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 1091-1102		9
26	Chemoenzymatic synthesis of optically active 4-methyl-tetrahydro-5-oxo-2-furancarboxylic acids and esters. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 1353-1366		9
25	Baker's yeast reduction of cyclic $\beta$ -ketoesters: synthesis and chiroptical properties of condensed $\beta$ -lactones. <i>Tetrahedron: Asymmetry</i> , <b>1999</b> , 10, 1243-1254		9
24	Baker's yeast reduction of 4-hetero-2-(2-nitroethyl)cyclohexanones. <i>Tetrahedron: Asymmetry</i> , <b>1997</b> , 8, 1811-1820		8
23	Chemoenzymatic and yeast-catalysed synthesis of diastereomeric ethyl $\beta$ -phenyl and $\beta$ -(n-pyridyl)paraconates. <i>Tetrahedron: Asymmetry</i> , <b>2008</b> , 19, 2026-2036		7
22	Bakers Yeast Reduction of PEG-Linked Acetoacetate. <i>Letters in Organic Chemistry</i> , <b>2005</b> , 2, 89-91	0.6	7
21	On the absolute configuration of chiral 1,4-dihydropyridazines synthesized by organocatalysed reactions. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 11670-9	4.2	6

20	The First Kinetic Enzymatic Resolution of Methyl Ester of C75. <i>Letters in Organic Chemistry</i> , <b>2010</b> , 7, 245-248	6	6
19	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> , <b>2009</b> , 20, 1459-1467	6	6
18	Aqueous extracts of walnut ( <i>Juglans regia</i> L.) leaves: quantitative analyses of hydroxycinnamic and chlorogenic acids. <i>Journal of Chromatographic Science</i> , <b>2018</b> , 56, 753-760	1.4	6
17	An Easy Route to Enantiomerically Enriched 7- and 8-Hydroxy $\beta$ -stearic Acids by Olefin-Metathesis-Based Approach. <i>Synlett</i> , <b>2016</b> , 27, 1354-1358	2.2	5
16	Oleocanthal Quantification Using <sup>1</sup> H NMR Spectroscopy and Polyphenols HPLC Analysis of Olive Oil from the Bianchera/Belica Cultivar. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
15	Bifunctional Behavior of a Porphyrin in Hydrogen-Bonded Donor-Acceptor Molecular Chains on a Gold Surface. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 7088-7096	3.8	4
14	Hydroxycinnamoyl Amino Acids Conjugates: A Chiral Pool to Distinguish Commercially Exploited spp. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
13	Enzymatic resolution of $\beta$ -methylene $\alpha$ -keto acids and evaluation of their biological activity. <i>Chirality</i> , <b>2015</b> , 27, 239-46	2.1	3
12	Interaction of the Coffee Diterpenes Cafestol and 16--Methyl-Cafestol Palmitates with Serum Albumins. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
11	Signal-On Fluorescent Imprinted Nanoparticles for Sensing of Phenols in Aqueous Olive Leaves Extracts. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	3
10	First chemoenzymatic synthesis of (+)-2-carboxypyrrolidine-3-acetic acid, the nucleus of kainoid amino acids. <i>Chirality</i> , <b>2012</b> , 24, 112-8	2.1	3
9	Synthesis and biological resolution of condensed bicyclic isoparaconic acid derivatives. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 2839-2842		3
8	An Efficient Synthesis of Chiral Non-Racemic Hydroxyalkanoic Acids by Olefin Cross-Metathesis Reactions. <i>ChemistrySelect</i> , <b>2018</b> , 3, 13372-13376	1.8	3
7	Optically active $\beta$ -phenylethylamine as efficient organocatalyst in the solvent-free reactions between 2,3-butanedione and conjugated nitroolefins. <i>Chirality</i> , <b>2012</b> , 24, 1005-12	2.1	2
6	Asymmetric resolution of diastereomeric 4-ethoxycarbonyl-5-pentyl $\beta$ -butyrolactones by crude PLE-mediated hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>1997</b> , 3, 203-207		2
5	Fluorescent Imprinted Nanoparticles for the Effective Monitoring of Irinotecan in Human Plasma. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
4	Synthesis, enzymatic resolution, and stereochemical characterization of isoparaconic acid derivatives: a combined experimental and theoretical investigation. <i>Chirality</i> , <b>2014</b> , 26, 640-50	2.1	1
3	Application of 1,3-azomethine ylides derived from $\beta$ -dicarbonyl compounds and L-proline to the synthesis of pyrrolizidines. <i>Journal of Heterocyclic Chemistry</i> , <b>2010</b> , 47, n/a-n/a	1.9	1

2 Lipase-catalysed deacetylation of botryodiplodin acetate. *Tetrahedron: Asymmetry*, **2007**, 18, 447-450 1

1 In Vitro Anthelmintic Activity of Sea Buckthorn (*Hippophae rhamnoides*) Berry Juice against Gastrointestinal Nematodes of Small Ruminants. *Biology*, **2022**, 11, 825 49 0