

Federico Berti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/291005/publications.pdf>

Version: 2024-02-01

86
papers

1,638
citations

331259

21
h-index

377514

34
g-index

93
all docs

93
docs citations

93
times ranked

2373
citing authors

#	ARTICLE	IF	CITATIONS
1	Oleocanthal Quantification Using ¹ H NMR Spectroscopy and Polyphenols HPLC Analysis of Olive Oil from the Bianchera/Belica Cultivar. <i>Molecules</i> , 2021, 26, 242.	1.7	12
2	Biginelli Reaction and Î ² -Secretase Inhibition: A Multicomponent Reaction as a Friendly Educational Approach to Bioactive Compounds. <i>Journal of Chemical Education</i> , 2021, 98, 1756-1761.	1.1	7
3	Characterization of Thermoresponsive Poly-N-Vinylcaprolactam Polymers for Biological Applications. <i>Polymers</i> , 2021, 13, 2639.	2.0	20
4	Thermoresponsive Chitosan-Grafted-Poly(N-vinylcaprolactam) Microgels via Ionotropic Gelation for Oncological Applications. <i>Pharmaceutics</i> , 2021, 13, 1654.	2.0	9
5	The Pseudo-Symmetric N-benzyl Hydroxyethylamine Core in a New Series of Heteroarylcarboxamide HIV-1 Pr Inhibitors: Synthesis, Molecular Modeling and Biological Evaluation. <i>Biomolecules</i> , 2021, 11, 1584.	1.8	1
6	Simultaneous Quantification of Antioxidants Paraxanthine and Caffeine in Human Saliva by Electrochemical Sensing for CYP1A2 Phenotyping. <i>Antioxidants</i> , 2021, 10, 10.	2.2	7
7	Chitosan-Based Biocompatible Copolymers for Thermoresponsive Drug Delivery Systems: On the Development of a Standardization System. <i>Pharmaceutics</i> , 2021, 13, 1876.	2.0	10
8	Fluorescent Imprinted Nanoparticles for the Effective Monitoring of Irinotecan in Human Plasma. <i>Nanomaterials</i> , 2020, 10, 1707.	1.9	3
9	Biosensors and Sensing Systems for Rapid Analysis of Phenolic Compounds from Plants: A Comprehensive Review. <i>Biosensors</i> , 2020, 10, 105.	2.3	24
10	One Pot Synthesis of Micromolar BACE-1 Inhibitors Based on the Dihydropyrimidinone Scaffold and Their Thia and Imino Analogues. <i>Molecules</i> , 2020, 25, 4152.	1.7	14
11	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
12	Signal-On Fluorescent Imprinted Nanoparticles for Sensing of Phenols in Aqueous Olive Leaves Extracts. <i>Nanomaterials</i> , 2020, 10, 1011.	1.9	4
13	Hydroxycinnamoyl Amino Acids Conjugates: A Chiral Pool to Distinguish Commercially Exploited <i>Coffea</i> spp.. <i>Molecules</i> , 2020, 25, 1704.	1.7	13
14	Prediction of self-assembly of adenosine analogues in solution: a computational approach validated by isothermal titration calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4258-4267.	1.3	9
15	Bifunctional Behavior of a Porphyrin in Hydrogen-Bonded Donor-â€“Acceptor Molecular Chains on a Gold Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7088-7096.	1.5	4
16	New heteroaryl carbamates: Synthesis and biological screening in vitro and in mammalian cells of wild-type and mutant HIV-protease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1863-1870.	1.4	8
17	Rational design of allosteric modulators of the aromatase enzyme: Anâ€“unprecedented therapeutic strategy to fight breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 253-262.	2.6	33
18	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

#	ARTICLE	IF	CITATIONS
19	The binding landscape of a partially-selective isopeptidase inhibitor with potent pro-death activity, based on the bis(arylidene)cyclohexanone scaffold. <i>Cell Death and Disease</i> , 2018, 9, 184.	2.7	13
20	Efficient Biginelli Synthesis of 2-Aminodihydropyrimidines under Microwave Irradiation. <i>Synlett</i> , 2018, 29, 1047-1054.	1.0	20
21	Peptide biosensors for anticancer drugs: Design in silico to work in denaturizing environment. <i>Biosensors and Bioelectronics</i> , 2018, 100, 298-303.	5.3	20
22	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
23	Synthesis of p-coumaroylquinic acids and analysis of their interconversion. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 419-427.	1.8	12
24	Chlorogenic Compounds from Coffee Beans Exert Activity against Respiratory Viruses. <i>Planta Medica</i> , 2017, 83, 615-623.	0.7	19
25	Synthesis of Chiral, Enantiopure Allylic Amines by the Julia Olefination of α -Amino Esters. <i>Molecules</i> , 2016, 21, 805.	1.7	3
26	Fluorescent molecularly imprinted nanogels for the detection of anticancer drugs in human plasma. <i>Biosensors and Bioelectronics</i> , 2016, 86, 913-919.	5.3	23
27	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
28	In Silico Design of Short Peptides as Sensing Elements for Phenolic Compounds. <i>ACS Sensors</i> , 2016, 1, 279-286.	4.0	14
29	Interaction of coffee compounds with serum albumins. Part II: Diterpenes. <i>Food Chemistry</i> , 2016, 199, 502-508.	4.2	29
30	Synthesis, Characterization, and Optimization for in Vivo Delivery of a Nonselective Isopeptidase Inhibitor as New Antineoplastic Agent. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1691-1704.	2.9	29
31	Designing High-Affinity Peptides for Organic Molecules by Explicit Solvent Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12963-12969.	1.2	17
32	Effect of Size and N-Terminal Residue Characteristics on Bacterial Cell Penetration and Antibacterial Activity of the Proline-Rich Peptide Bac7. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1195-1204.	2.9	40
33	Interaction of chlorogenic acids and quinides from coffee with human serum albumin. <i>Food Chemistry</i> , 2015, 168, 332-340.	4.2	72
34	Synthesis of Mono-, Di-, and Tri-3,4-dimethoxycinnamoyl-5-quinides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1321-1326.	1.2	10
35	Impact of Stereochemistry on Ligand Binding: X-ray Crystallographic Analysis of an Epoxide-Based HIV Protease Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 968-972.	1.3	2
36	Inhibitors of HIV-Protease from Computational Design. A History of Theory and Synthesis Still to be Fully Appreciated. <i>Current Pharmaceutical Design</i> , 2014, 20, 3398-3411.	0.9	9

#	ARTICLE	IF	CITATIONS
37	Evaluation of the Efficiency of Synthesized Efflux Pump Inhibitors on <i>Salmonella enterica</i> ser. Typhimurium Cells. <i>Chemical Biology and Drug Design</i> , 2013, 82, 438-445.	1.5	12
38	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
39	An Albumin-Derived Peptide Scaffold Capable of Binding and Catalysis. <i>PLoS ONE</i> , 2013, 8, e56469.	1.1	10
40	Synthesis and Biological Activity of Potent HIV-1 Protease Inhibitors Based on Phe-Pro Dihydroxyethylene Isosteres. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3900-3910.	2.9	10
41	Highly Sensitive Electrochemiluminescent Nanobiosensor for the Detection of Palytoxin. <i>ACS Nano</i> , 2012, 6, 7989-7997.	7.3	96
42	An albumin-derived peptide scaffold capable of binding and catalysis. <i>Nature Precedings</i> , 2012, , .	0.1	0
43	Designing Short Peptides with High Affinity for Organic Molecules: A Combined Docking, Molecular Dynamics, And Monte Carlo Approach. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1121-1128.	2.3	24
44	Short peptides as biosensor transducers. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 3055-3070.	1.9	149
45	Synthesis and biological evaluation of novel small non-peptidic HIV-1 PIs: The benzothiophene ring as an effective moiety. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2948-2950.	1.0	21
46	Harmful Dinoflagellate <i>Ostreopsis</i> cf. <i>ovata</i> Fukuyo: Detection of Ovatoxins in Field Samples and Cell Immunolocalization Using Antipalytoxin Antibodies. <i>Environmental Science & Technology</i> , 2011, 45, 7051-7059.	4.6	35
47	Aldolase activity of serum albumins. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4417.	1.5	24
48	Albumin-directed stereoselective reduction of 1,3-diketones and β^2 -hydroxyketones to anti diols. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1987.	1.5	24
49	New Anthranilic Acid Based Antagonists with High Affinity and Selectivity for the Human Cholecystokinin Receptor 1 (hCCK ₁ -R). <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5769-5785.	2.9	4
50	Synthesis and Biological Activity of New Mixed HIV-PR Inhibitors Conjugated to Bifunctional High-Molecular Weight Poly(Ethylene Glycol). <i>Letters in Organic Chemistry</i> , 2011, 8, 380-384.	0.2	1
51	Synthesis of New Thienyl Ring Containing HIV-1 Protease Inhibitors: Promising Preliminary Pharmacological Evaluation against Recombinant HIV-1 Proteases. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1451-1457.	2.9	17
52	Synthesis of optically active β^2 -benzyl paraconic acids and their esters and assignment of their absolute configuration. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 313-321.	1.8	12
53	Anthranilic acid based CCK1 receptor antagonists: Blocking the receptor with the same β^2 -words TM of the endogenous ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2336-2350.	1.4	12
54	Structuring and interactions of human β^2 -defensins 2 and 3 with model membranes. <i>Journal of Peptide Science</i> , 2008, 14, 518-523.	0.8	39

#	ARTICLE	IF	CITATIONS
55	Design of peptidomimetic inhibitors of aspartic protease of HIV-1 containing "Phe-Pro" core and displaying favourable ADME-related properties. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 27, 376-387.	1.3	32
56	Development and evaluation of an immunoassay for the monitoring of the anti-HIV drug amprenavir. <i>Journal of Immunological Methods</i> , 2007, 325, 35-41.	0.6	9
57	Stereoselective Hydroazidation of Amino Enones: Synthesis of the Ritonavir/Lopinavir Core. <i>Organic Letters</i> , 2006, 8, 51-54.	2.4	22
58	Chemoenzymatic synthesis of diastereomeric ethyl β -benzyl paraconates and determination of the absolute configurations of their acids. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2344-2353.	1.8	20
59	A Potent HIV Protease Inhibitor Identified in an Epimeric Mixture by High-Resolution Protein Crystallography. <i>ChemMedChem</i> , 2006, 1, 186-188.	1.6	7
60	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
61	Synthesis, biological activity and modelling studies of two novel anti HIV PR inhibitors with a thiophene containing hydroxyethylamino core. <i>Tetrahedron</i> , 2005, 61, 6580-6589.	1.0	68
62	An Unprecedented Catalytic Motif Revealed in the Model Structure of Amide Hydrolyzing Antibody 312d6. <i>ChemBioChem</i> , 2004, 5, 129-131.	1.3	4
63	Unexpected 1,2,3-Triazole Formation in the Reaction of Diethylaluminum Azide with β -Amino- α,β -Unsaturated Ketones. <i>ChemInform</i> , 2004, 35, no.	0.1	0
64	Stereoselective synthesis of a novel pseudopeptide hapten for the generation of hydrolytic catalytic antibodies. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1847-1855.	1.8	9
65	Anthranilic acid based CCK1 antagonists: the 2-indole moiety may represent a "needle" according to the recent homonymous concept. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 85-97.	2.6	17
66	Synthesis of a Val-Pro Diaminodiol Dipeptide Isostere by Epoxyamine Cyclization. <i>Organic Letters</i> , 2004, 6, 1017-1019.	2.4	10
67	Design, synthesis and preliminary evaluation of peptidomimetic inhibitors of HIV aspartic protease with an epoxyalcohol core. <i>Arkivoc</i> , 2004, 2003, 140-154.	0.3	3
68	Unexpected 1,2,3-triazole formation in the reaction of diethylaluminum azide with β -amino- α,β -unsaturated ketones. <i>Tetrahedron Letters</i> , 2003, 44, 9095-9097.	0.7	25
69	Val-Ala Dipeptide Isosteres by Hydrocyanation of β -Amino α,β -Unsaturated Ketones - Control of Stereoselectivity by the N-Protecting Group. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1973-1982.	1.2	9
70	A Catalytic Antibody Programmed for Torsional Activation of Amide Bond Hydrolysis. <i>Chemistry - A European Journal</i> , 2003, 9, 3132-3142.	1.7	14
71	Small hydroxyethylene-based peptidomimetics inhibiting both HIV-1 and <i>C. albicans</i> aspartic proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4719-4727.	1.4	21
72	Anthranilic acid derivatives: a new class of non-peptide CCK1 receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 741-751.	1.4	19

#	ARTICLE	IF	CITATIONS
73	Epoxyalcohol Route to Hydroxyethylene Dipeptide Isosteres. Stereodivergent Synthesis of the Diamino Alcohol Core of Ritonavir and Its C-2 Epimer. <i>Journal of Organic Chemistry</i> , 2002, 67, 8635-8643.	1.7	28
74	Albumin-controlled stereoselective reduction of 1,3-diketones to anti-diols Electronic supplementary information (ESI) available: Scatchard and Lineweaver-Burk plots. See http://www.rsc.org/suppdata/cc/b2/b200474gl . <i>Chemical Communications</i> , 2002, , 828-829.	2.2	18
75	Antibody catalyzed modification of amino acids. Efficient hydrolysis of tyrosine benzoate. <i>Chemical Communications</i> , 2001, , 715-716.	2.2	3
76	Synthesis of N-terminal substituted anthranilic acid dimer derivatives for evaluation on CCK receptors. <i>Il Farmaco</i> , 2001, 56, 555-564.	0.9	6
77	Ring-opening of epoxyalcohols by diethylaluminium cyanide. Regio- and stereoselective synthesis of 1-cyano-2,3-diols. <i>Tetrahedron Letters</i> , 1999, 40, 1041-1044.	0.7	25
78	A Competitive Immunoassay for the Detection of Esterolytic Activity of Antibodies and Enzymes. <i>Analytical Biochemistry</i> , 1998, 256, 67-73.	1.1	14
79	Regio- and stereoselective ring opening of 2,3-epoxyalcohols with diethylaluminium azide. <i>Tetrahedron Letters</i> , 1998, 39, 7971-7974.	0.7	54
80	anti-Sulfonamide antibodies catalyse the hydrolysis of a heterocyclic amide. <i>Chemical Communications</i> , 1996, , 1417.	2.2	15
81	Modeling of solvent effects in the activation of the lipase from <i>Rhizomucor miehei</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 839-844.	1.0	9
82	Intramolecular Ring Opening of Epoxides by Bis-Activated Carbanions. The Influence of Ring Size on Reactivity and Selectivity. <i>Journal of Organic Chemistry</i> , 1994, 59, 1518-1524.	1.7	23
83	Cyclization of $\hat{1}^3, \hat{1}^1$ -epoxy- $\hat{1}^2$ -cyanosulphones. A simple, diastereoselective route to cyclopropane carboxylic acids. <i>Tetrahedron Letters</i> , 1993, 34, 6443-6446.	0.7	26
84	One-step stereospecific synthesis of $\hat{1}^2, \hat{1}^2$ -dehydroamino acids and dehydropeptides. <i>Tetrahedron Letters</i> , 1992, 33, 8145-8148.	0.7	19
85	Methyl effects in the cyclization of γ -epoxy bis-sulfones. <i>Journal of Organic Chemistry</i> , 1991, 56, 3530-3537.	1.7	20
86	Determination of zeranol and $\hat{1}^2$ -zearalanol in calf urine by immunoaffinity extraction and gas chromatography-mass spectrometry after repeated administration of zeranol. <i>Biomedical Applications</i> , 1991, 564, 493-502.	1.7	21