List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oleocanthal Quantification Using 1H NMR Spectroscopy and Polyphenols HPLC Analysis of Olive Oil from the Bianchera/Belica Cultivar. Molecules, 2021, 26, 242.	3.8	12
2	Biginelli Reaction and β-Secretase Inhibition: A Multicomponent Reaction as a Friendly Educational Approach to Bioactive Compounds. Journal of Chemical Education, 2021, 98, 1756-1761.	2.3	7
3	Characterization of Thermoresponsive Poly-N-Vinylcaprolactam Polymers for Biological Applications. Polymers, 2021, 13, 2639.	4.5	20
4	Thermoresponsive Chitosan-Grafted-Poly(N-vinylcaprolactam) Microgels via Ionotropic Gelation for Oncological Applications. Pharmaceutics, 2021, 13, 1654.	4.5	9
5	The Pseudo-Symmetric N-benzyl Hydroxyethylamine Core in a New Series of Heteroarylcarboxyamide HIV-1 Pr Inhibitors: Synthesis, Molecular Modeling and Biological Evaluation. Biomolecules, 2021, 11, 1584.	4.0	1
6	Simultaneous Quantification of Antioxidants Paraxanthine and Caffeine in Human Saliva by Electrochemical Sensing for CYP1A2 Phenotyping. Antioxidants, 2021, 10, 10.	5.1	7
7	Chitosan-Based Biocompatible Copolymers for Thermoresponsive Drug Delivery Systems: On the Development of a Standardization System. Pharmaceutics, 2021, 13, 1876.	4.5	10
8	Fluorescent Imprinted Nanoparticles for the Effective Monitoring of Irinotecan in Human Plasma. Nanomaterials, 2020, 10, 1707.	4.1	3
9	Biosensors and Sensing Systems for Rapid Analysis of Phenolic Compounds from Plants: A Comprehensive Review. Biosensors, 2020, 10, 105.	4.7	24
10	One Pot Synthesis of Micromolar BACE-1 Inhibitors Based on the Dihydropyrimidinone Scaffold and Their Thia and Imino Analogues. Molecules, 2020, 25, 4152.	3.8	14
11	Interaction of the Coffee Diterpenes Cafestol and 16-O-Methyl-Cafestol Palmitates with Serum Albumins. International Journal of Molecular Sciences, 2020, 21, 1823.	4.1	5
12	Signal-On Fluorescent Imprinted Nanoparticles for Sensing of Phenols in Aqueous Olive Leaves Extracts. Nanomaterials, 2020, 10, 1011.	4.1	4
13	Hydroxycinnamoyl Amino Acids Conjugates: A Chiral Pool to Distinguish Commercially Exploited Coffea spp Molecules, 2020, 25, 1704.	3.8	13
14	Prediction of self-assembly of adenosine analogues in solution: a computational approach validated by isothermal titration calorimetry. Physical Chemistry Chemical Physics, 2019, 21, 4258-4267.	2.8	9
15	Bifunctional Behavior of a Porphyrin in Hydrogen-Bonded Donor–Acceptor Molecular Chains on a Gold Surface. Journal of Physical Chemistry C, 2019, 123, 7088-7096.	3.1	4
16	New heteroaryl carbamates: Synthesis and biological screening in vitro and in mammalian cells of wild-type and mutant HIV-protease inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 1863-1870.	3.0	8
17	Rational design of allosteric modulators of the aromatase enzyme: AnÂunprecedented therapeutic strategy to fight breast cancer. European Journal of Medicinal Chemistry, 2019, 168, 253-262.	5.5	33
18	Distribution of p-coumaroylquinic acids in commercial Coffea spp. of different geographical origin and in other wild coffee species. Food Chemistry, 2019, 286, 459-466.	8.2	17

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19	The binding landscape of a partially-selective isopeptidase inhibitor with potent pro-death activity, based on the bis(arylidene)cyclohexanone scaffold. Cell Death and Disease, 2018, 9, 184.	6.3	13
20	Efficient Biginelli Synthesis of 2-Aminodihydropyrimidines under Microwave Irradiation. Synlett, 2018, 29, 1047-1054.	1.8	20
21	Peptide biosensors for anticancer drugs: Design in silico to work in denaturizing environment. Biosensors and Bioelectronics, 2018, 100, 298-303.	10.1	20
22	Aqueous extracts of walnut (Juglans regia L.) leaves: quantitative analyses of hydroxycinnamic and chlorogenic acids. Journal of Chromatographic Science, 2018, 56, 753-760.	1.4	14
23	Synthesis of p -coumaroylquinic acids and analysis of their interconversion. Tetrahedron: Asymmetry, 2017, 28, 419-427.	1.8	12
24	Chlorogenic Compounds from Coffee Beans Exert Activity against Respiratory Viruses. Planta Medica, 2017, 83, 615-623.	1.3	19
25	Synthesis of Chiral, Enantiopure Allylic Amines by the Julia Olefination of α-Amino Esters. Molecules, 2016, 21, 805.	3.8	3
26	Fluorescent molecularly imprinted nanogels for the detection of anticancer drugs in human plasma. Biosensors and Bioelectronics, 2016, 86, 913-919.	10.1	23
27	Isolation and characterization of major diterpenes from C. canephora roasted coffee oil. Tetrahedron: Asymmetry, 2016, 27, 649-656.	1.8	14
28	In Silico Design of Short Peptides as Sensing Elements for Phenolic Compounds. ACS Sensors, 2016, 1, 279-286.	7.8	14
29	Interaction of coffee compounds with serum albumins. Part II: Diterpenes. Food Chemistry, 2016, 199, 502-508.	8.2	29
30	Synthesis, Characterization, and Optimization for in Vivo Delivery of a Nonselective Isopeptidase Inhibitor as New Antineoplastic Agent. Journal of Medicinal Chemistry, 2015, 58, 1691-1704.	6.4	29
31	Designing High-Affinity Peptides for Organic Molecules by Explicit Solvent Molecular Dynamics. Journal of Physical Chemistry B, 2015, 119, 12963-12969.	2.6	17
32	Effect of Size and N-Terminal Residue Characteristics on Bacterial Cell Penetration and Antibacterial Activity of the Proline-Rich Peptide Bac7. Journal of Medicinal Chemistry, 2015, 58, 1195-1204.	6.4	40
33	Interaction of chlorogenic acids and quinides from coffee with human serum albumin. Food Chemistry, 2015, 168, 332-340.	8.2	72
34	Synthesis of Monoâ€, Diâ€, and Triâ€3,4â€dimethoxycinnamoylâ€1,5â€Î³â€quinides. European Journal of Organio Chemistry, 2014, 2014, 1321-1326.	² 2.4	10
35	Impact of Stereochemistry on Ligand Binding: X-ray Crystallographic Analysis of an Epoxide-Based HIV Protease Inhibitor. ACS Medicinal Chemistry Letters, 2014, 5, 968-972.	2.8	2
36	Inhibitors of HIV-Protease from Computational Design. A History of Theory and Synthesis Still to be Fully Appreciated. Current Pharmaceutical Design, 2014, 20, 3398-3411.	1.9	9

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37	Evaluation of the Efficiency of Synthesized Efflux Pump Inhibitors on <i><scp>S</scp>almonella enterica</i> ser. Typhimurium Cells. Chemical Biology and Drug Design, 2013, 82, 438-445.	3.2	12
38	On the Absolute Configuration of Chiral 1,4-Dihydropyridazines Synthesized by Organocatalysed Reactions. Journal of Organic Chemistry, 2013, 78, 11670-11679.	3.2	7
39	An Albumin-Derived Peptide Scaffold Capable of Binding and Catalysis. PLoS ONE, 2013, 8, e56469.	2.5	10
40	Synthesis and Biological Activity of Potent HIV-1 Protease Inhibitors Based on Phe-Pro Dihydroxyethylene Isosteres. Journal of Medicinal Chemistry, 2012, 55, 3900-3910.	6.4	10
41	Highly Sensitive Electrochemiluminescent Nanobiosensor for the Detection of Palytoxin. ACS Nano, 2012, 6, 7989-7997.	14.6	96
42	An albumin-derived peptide scaffold capable of binding and catalysis. Nature Precedings, 2012, , .	0.1	0
43	Designing Short Peptides with High Affinity for Organic Molecules: A Combined Docking, Molecular Dynamics, And Monte Carlo Approach. Journal of Chemical Theory and Computation, 2012, 8, 1121-1128.	5.3	24
44	Short peptides as biosensor transducers. Analytical and Bioanalytical Chemistry, 2012, 402, 3055-3070.	3.7	149
45	Synthesis and biological evaluation of novel small non-peptidic HIV-1 PIs: The benzothiophene ring as an effective moiety. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2948-2950.	2.2	21
46	Harmful Dinoflagellate <i>Ostreopsis</i> cf. <i>ovata</i> Fukuyo: Detection of Ovatoxins in Field Samples and Cell Immunolocalization Using Antipalytoxin Antibodies. Environmental Science & Technology, 2011, 45, 7051-7059.	10.0	35
47	Aldolase activity of serum albumins. Organic and Biomolecular Chemistry, 2011, 9, 4417.	2.8	24
48	Albumin-directed stereoselective reduction of 1,3-diketones and β-hydroxyketones to anti diols. Organic and Biomolecular Chemistry, 2011, 9, 1987.	2.8	24
49	New Anthranilic Acid Based Antagonists with High Affinity and Selectivity for the Human Cholecystokinin Receptor 1 (hCCK ₁ -R). Journal of Medicinal Chemistry, 2011, 54, 5769-5785.	6.4	4
50	Synthesis and Biological Activity of New Mixed HIV-PR Inhibitors Conjugated to Bifunctional High-Molecular Weight Poly(Ethylene Glycol). Letters in Organic Chemistry, 2011, 8, 380-384.	0.5	1
51	Synthesis of New Thienyl Ring Containing HIV-1 Protease Inhibitors: Promising Preliminary Pharmacological Evaluation against Recombinant HIV-1 Proteases. Journal of Medicinal Chemistry, 2010, 53, 1451-1457.	6.4	17
52	Synthesis of optically active α-benzyl paraconic acids and their esters and assignment of their absolute configuration. Tetrahedron: Asymmetry, 2009, 20, 313-321.	1.8	12
53	Anthranilic acid based CCK1 receptor antagonists: Blocking the receptor with the same â€~words' of the endogenous ligand. Bioorganic and Medicinal Chemistry, 2009, 17, 2336-2350.	3.0	12
54	Structuring and interactions of human βâ€defensins 2 and 3 with model membranes. Journal of Peptide Science, 2008, 14, 518-523.	1.4	39

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55	Design of peptidomimetic inhibitors of aspartic protease of HIV-1 containing –PheΔPro– core and displaying favourable ADME-related properties. Journal of Molecular Graphics and Modelling, 2008, 27, 376-387.	2.4	32
56	Development and evaluation of an immunoassay for the monitoring of the anti-HIV drug amprenavir. Journal of Immunological Methods, 2007, 325, 35-41.	1.4	9
57	Stereoselective Hydroazidation of Amino Enones:  Synthesis of the Ritonavir/Lopinavir Core. Organic Letters, 2006, 8, 51-54.	4.6	22
58	Chemoenzymatic synthesis of diastereomeric ethyl Î ³ -benzyl paraconates and determination of the absolute configurations of their acids. Tetrahedron: Asymmetry, 2006, 17, 2344-2353.	1.8	20
59	A Potent HIV Protease Inhibitor Identified in an Epimeric Mixture by High-Resolution Protein Crystallography. ChemMedChem, 2006, 1, 186-188.	3.2	7
60	A study of the enantiopreference of lipase PS (Pseudomonas cepacia) towards diastereomeric dihydro-5-alkyl-4-hydroxymethyl-2(3H)-furanones. Tetrahedron: Asymmetry, 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. Tetrahedron, 2005, 61, 6580-6589.	1.9	68
62	An Unprecedented Catalytic Motif Revealed in the Model Structure of Amide Hydrolyzing Antibody 312d6. ChemBioChem, 2004, 5, 129-131.	2.6	4
63	Unexpected 1,2,3-Triazole Formation in the Reaction of Diethylaluminum Azide with α′-Amino-α,β-Unsaturated Ketones ChemInform, 2004, 35, no.	0.0	0
64	Stereoselective synthesis of a novel pseudopeptide hapten for the generation of hydrolytic catalytic antibodies. Tetrahedron: Asymmetry, 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. European Journal of Medicinal Chemistry, 2004, 39, 85-97.	5.5	17
66	Synthesis of a Val-Pro Diaminodiol Dipeptide Isostere by Epoxyamine Cyclization. Organic Letters, 2004, 6, 1017-1019.	4.6	10
67	Design, synthesis and preliminary evaluation of peptidomimetic inhibitors of HIV aspartic protease with an epoxyalcohol core. Arkivoc, 2004, 2003, 140-154.	0.5	3
68	Unexpected 1,2,3-triazole formation in the reaction of diethylaluminum azide with α′-amino-α,β-unsaturated ketones. Tetrahedron Letters, 2003, 44, 9095-9097.	1.4	25
69	Val-Ala Dipeptide Isosteres by Hydrocyanation of α′-Amino α,β-Unsaturated Ketones â^' Control of Stereoselectivity by the N-Protecting Group. European Journal of Organic Chemistry, 2003, 2003, 1973-1982.	2.4	9
70	A Catalytic Antibody Programmed for Torsional Activation of Amide Bond Hydrolysis. Chemistry - A European Journal, 2003, 9, 3132-3142.	3.3	14
71	Small hydroxyethylene-based peptidomimetics inhibiting both HIV-1 and C. albicans aspartic proteases. Bioorganic and Medicinal Chemistry, 2003, 11, 4719-4727.	3.0	21
72	Anthranilic acid derivatives: a new class of non-peptide CCK1 receptor antagonists. Bioorganic and Medicinal Chemistry, 2003, 11, 741-751.	3.0	19

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73	Epoxyalcohol Route to Hydroxyethylene Dipeptide Isosteres. Stereodivergent Synthesis of the Diamino Alcohol Core of Ritonavir and Its C-2 Epimer. Journal of Organic Chemistry, 2002, 67, 8635-8643.	3.2	28
74	Albumin-controlled stereoselective reduction of 1,3-diketones to anti-diolsElectronic supplementary information (ESI) available: Scatchard and Lineweaver–Burk plots. See http://www.rsc.org/suppdata/cc/b2/b200474g/. Chemical Communications, 2002, , 828-829.	4.1	18
75	Antibody catalyzed modification of amino acids. Efficient hydrolysis of tyrosine benzoate. Chemical Communications, 2001, , 715-716.	4.1	3
76	Synthesis of N-terminal substituted anthranilic acid dimer derivatives for evaluation on CCK receptors. Il Farmaco, 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. Tetrahedron Letters, 1999, 40, 1041-1044.	1.4	25
78	A Competitive Immunoassay for the Detection of Esterolytic Activity of Antibodies and Enzymes. Analytical Biochemistry, 1998, 256, 67-73.	2.4	14
79	Regio- and stereoselective ring opening of 2,3-epoxyalcohols with diethylaluminium azide. Tetrahedron Letters, 1998, 39, 7971-7974.	1.4	54
80	anti-Sulfonamide antibodies catalyse the hydrolysis of a heterocyclic amide. Chemical Communications, 1996, , 1417.	4.1	15
81	Modeling of solvent effects in the activation of the lipase from Rhizomucor miehei. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 839-844.	2.2	9
82	Intramolecular Ring Opening of Epoxides by Bis-Activated Carbanions. The Influence of Ring Size on Reactivity and Selectivity. Journal of Organic Chemistry, 1994, 59, 1518-1524.	3.2	23
83	Cyclization of γ,Î-epoxy-α-cyanosulphones. A simple, diastereoselective route to cyclopropane carboxylic acids Tetrahedron Letters, 1993, 34, 6443-6446.	1.4	26
84	One-step stereospecific synthesis of α,β-dehydroamino acids and dehydropeptides Tetrahedron Letters, 1992, 33, 8145-8148.	1.4	19
85	Methyl effects in the cyclization of .gammaepoxy bis-sulfones. Journal of Organic Chemistry, 1991, 56, 3530-3537.	3.2	20
86	Determination of zeranol and β-zearalanol in calf urine by immunoaffinity extraction and gas chromatography—mass spectrometry after repeated administration of zeranol. Biomedical Applications, 1991, 564, 493-502.	1.7	21