

# Carlo Bertucci

## List of Publications by Citations

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80  
papers

2,858  
citations

25  
h-index

51  
g-index

82  
ext. papers

3,109  
ext. citations

4.1  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
80	beta-Amyloid aggregation induced by human acetylcholinesterase: inhibition studies. <i>Biochemical Pharmacology</i> , <b>2003</b> , 65, 407-16	6	448
79	Insight into the kinetic of amyloid beta (1-42) peptide self-aggregation: elucidation of inhibitorsT mechanism of action. <i>ChemBioChem</i> , <b>2007</b> , 8, 2152-61	3.8	289
78	Reversible and covalent binding of drugs to human serum albumin: methodological approaches and physiological relevance. <i>Current Medicinal Chemistry</i> , <b>2002</b> , 9, 1463-81	4.3	278
77	Drug binding to human serum albumin: abridged review of results obtained with high-performance liquid chromatography and circular dichroism. <i>Chirality</i> , <b>2006</b> , 18, 667-79	2.1	121
76	Use of a human serum albumin-based high-performance liquid chromatography chiral stationary phase for the investigation of protein binding: detection of the allosteric interaction between warfarin and benzodiazepine binding sites. <i>Journal of Pharmaceutical Sciences</i> , <b>1991</b> , 80, 164-6	3.9	110
75	Immobilized serum albumin: rapid HPLC probe of stereoselective protein-binding interactions. <i>Chirality</i> , <b>1990</b> , 2, 263-8	2.1	107
74	Posttranscriptional changes of serum albumin: clinical and prognostic significance in hospitalized patients with cirrhosis. <i>Hepatology</i> , <b>2014</b> , 60, 1851-60	11.2	90
73	A SMYD3 Small-Molecule Inhibitor Impairing Cancer Cell Growth. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 2447-2460	7	69
72	Circular dichroism detection in HPLC. <i>Chirality</i> , <b>1991</b> , 3, 376-385	2.1	60
71	Enantioselective nonsteroidal aromatase inhibitors identified through a multidisciplinary medicinal chemistry approach. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 7282-9	8.3	59
70	Circular dichroism in drug discovery and development: an abridged review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 155-66	4.4	57
69	Species-dependent stereoselective drug binding to albumin: a circular dichroism study. <i>Chirality</i> , <b>2008</b> , 20, 552-8	2.1	54
68	Stereospecific and competitive binding of drugs to human serum albumin: a difference circular dichroism approach. <i>Journal of Pharmaceutical Sciences</i> , <b>1995</b> , 84, 737-41	3.9	51
67	Development and Pharmacological Characterization of Selective Blockers of 2-Arachidonoyl Glycerol Degradation with Efficacy in Rodent Models of Multiple Sclerosis and Pain. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 2612-32	8.3	49
66	Reliable assay of extreme enantiomeric purity values by a new circular dichroism based HPLC detection system. <i>Chirality</i> , <b>2000</b> , 12, 84-92	2.1	44
65	Heptad repeat 2 in herpes simplex virus 1 gH interacts with heptad repeat 1 and is critical for virus entry and fusion. <i>Journal of Virology</i> , <b>2006</b> , 80, 2216-24	6.6	42
64	The binding of 5-fluorouracil to native and modified human serum albumin: UV, CD, and 1H and 19F NMR investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1995</b> , 13, 1087-93	3.5	40

63	Circular dichroic detection in the HPLC of chiral molecules: direct determination of elution orders. <i>Journal of Organic Chemistry</i> , <b>1984</b> , 49, 5050-5054	4.2	37
62	Rapid screening of small ligand affinity to human serum albumin by an optical biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 707-14	3.5	36
61	Early absorption and distribution analysis of antitumor and anti-AIDS drugs: lipid membrane and plasma protein interactions. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 3536-46	8.3	34
60	Induced circular dichroism as a tool to investigate the binding of drugs to carrier proteins: Classic approaches and new trends. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 34-42	3.5	32
59	Ligand binding to a human serum albumin stationary phase: use of same-drug competition to discriminate pharmacologically relevant interactions. <i>Biomedical Chromatography</i> , <b>1998</b> , 12, 248-54	1.7	31
58	Binding studies of taxanes to human serum albumin by bioaffinity chromatography and circular dichroism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 81-7	3.5	29
57	Site I on human albumin: differences in the binding of (R)- and (S)-warfarin. <i>Chirality</i> , <b>1999</b> , 11, 675-9	2.1	28
56	Advantages of electronic circular dichroism detection for the stereochemical analysis and characterization of drugs and natural products by liquid chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1269, 69-81	4.5	26
55	Enantioselective separation and online affinity chromatographic characterization of R,R- and S,S-fenoterol. <i>Chirality</i> , <b>2006</b> , 18, 822-7	2.1	24
54	(3R)-Chiral Control of 3-Alkyl-3-hydroxy-beta-lactams via Addition Reaction of Imines to Enolates of 1,3-Dioxolan-4-ones. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 4643-4651	4.2	23
53	Mass spectrometric characterization of human serum albumin dimer: A new potential biomarker in chronic liver diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 112, 169-75	3.5	22
52	5-Imino-1,2,4-thiadiazoles and quinazolines derivatives as glycogen synthase kinase 3[[GSK-3]] and phosphodiesterase 7 (PDE7) inhibitors: determination of blood-brain barrier penetration and binding to human serum albumin. <i>European Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 45, 677-84	5.1	20
51	Enantioselective inhibition of the binding of rac-profens to human serum albumin induced by lithocholate. <i>Chirality</i> , <b>2001</b> , 13, 372-8	2.1	20
50	Surface plasmon resonance and circular dichroism characterization of cucurbitacins binding to serum albumins for early pharmacokinetic profiling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 122, 166-72	3.5	19
49	Determination of levamisole and tetramisole in seized cocaine samples by enantioselective high-performance liquid chromatography and circular dichroism detection. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 150-4	4.5	18
48	Chemical modification of human albumin at cys34 by ethacrynic acid: structural characterisation and binding properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1998</b> , 18, 127-36	3.5	18
47	Stereochemical features of 1,4-benzodiazepin-2-ones bound to human serum albumin: difference CD and UV studies. <i>Chirality</i> , <b>1990</b> , 2, 167-74	2.1	18
46	Structural characterization of recombinant therapeutic proteins by circular dichroism. <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 1508-16	2.6	18

45	Ischaemia-modified albumin: a marker of bacterial infection in hospitalized patients with cirrhosis. <i>Liver International</i> , <b>2015</b> , 35, 2425-32	7.9	17
44	Reversible binding of ethacrynic acid to human serum albumin: difference circular dichroism study. <i>Chirality</i> , <b>1999</b> , 11, 33-8	2.1	17
43	Direct enantiomeric separation of flavanones by high performance liquid chromatography using various chiral stationary phases. <i>Planta Medica</i> , <b>1995</b> , 61, 171-6	3.1	17
42	HSA binding of HIV protease inhibitors: a high-performance affinity chromatography study. <i>Journal of Separation Science</i> , <b>2009</b> , 32, 1625-31	3.4	16
41	Quantitative assay of lorazepam and its metabolite glucuronide by reverse-phase liquid chromatography-tandem mass spectrometry in human plasma and urine samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 389-96	3.5	16
40	Albumin Homodimers in Patients with Cirrhosis: Clinical and Prognostic Relevance of a Novel Identified Structural Alteration of the Molecule. <i>Scientific Reports</i> , <b>2016</b> , 6, 35987	4.9	15
39	N-aryl-2,6-dimethylbenzamides, a new generation of tocainide analogues as blockers of skeletal muscle voltage-gated sodium channels. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 2589-600	8.3	15
38	Enantioresolution, stereochemical characterization and biological activity of a chiral large-conductance calcium-activated potassium channel opener. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 162-8	4.5	15
37	One-pot synthesis of (3R)-hydroxy-lactams via enolates of 2-tert-butyl-1,3-dioxolan-4-ones. Part 1. <i>Tetrahedron: Asymmetry</i> , <b>1997</b> , 8, 2527-2531		15
36	Kinetic disposition of lorazepam with focus on the glucuronidation capacity, transplacental transfer in parturients and racemization in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 397-403	3.5	15
35	Circular dichroism detection in high-performance liquid chromatography: evaluation of the anisotropy factor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1990</b> , 8, 843-6	3.5	15
34	New insights into the altered binding capacity of pharmaceutical-grade human serum albumin: site-specific binding studies by induced circular dichroism spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 162, 171-178	3.5	15
33	Surface plasmon resonance, fluorescence, and circular dichroism studies for the characterization of the binding of BACE-1 inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 827-35	4.4	14
32	Synthesis of optically active constrained 2-substituted norstatines: a straightforward application of Seebach's "SRS" synthetic principle. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 9055-62	4.2	13
31	Protein binding investigation by difference circular dichroism: native and acetylated human serum albumins. <i>Chirality</i> , <b>1995</b> , 7, 57-61	2.1	13
30	Assessment of the absolute configuration of a series of (3R)-3-hydroxy-3-alkyl-lactams. <i>Tetrahedron: Asymmetry</i> , <b>1998</b> , 9, 3401-3409		12
29	Binding properties of human albumin modified by covalent binding of penicillin. <i>BBA - Proteins and Proteomics</i> , <b>2001</b> , 1544, 386-92		12
28	Optical biosensor analysis in studying new synthesized bicalutamide analogs binding to androgen receptor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 95, 151-7	3.5	11

27	Optical biosensors as a tool for early determination of absorption and distribution parameters of lead candidates and drugs. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2007</b> , 10, 433-40	1.3	11
26	Surface plasmon resonance and isothermal titration calorimetry to monitor the Ni(II)-dependent binding of <i>Helicobacter pylori</i> NikR to DNA. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 7971-7980 <sup>4-4</sup>	4.4	11
25	Determination of dextromethorphan and levomethorphan in seized heroin samples by enantioselective HPLC and electronic CD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 81-82, 76-9	3.5	10
24	Assignment of the absolute configuration at the sulfur atom of thioridazine metabolites by the analysis of their chiroptical properties: the case of thioridazine 2-sulfoxide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 52, 796-801	3.5	10
23	Synthesis and HSA binding characterisation of the water soluble 7-succinylpaclitaxel. <i>European Journal of Medicinal Chemistry</i> , <b>2003</b> , 38, 383-9	6.8	10
22	Characterization of the species-dependent ketoprofen/albumin binding modes by induced CD spectroscopy and TD-DFT calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 112, 176-80	3.5	9
21	Tocainide analogues binding to human serum albumin: a HPLAC and circular dichroism study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 179-85	3.5	9
20	Circular dichroism of rifamycin antibiotics. 2. Circular dichroism and stereochemistry in solution of 8-O-methylrifamycin SV. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 17-19	16.4	9
19	Human Serum Albumin as Chiral Selector in Enantioselective High-Performance Liquid Chromatography. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 743-757	4.3	9
18	Mass spectrometry characterization of circulating human serum albumin microheterogeneity in patients with alcoholic hepatitis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 122, 141-7	3.5	8
17	Structural basis for the magnesium-dependent activation of transketolase from <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 2132-2145	4	7
16	Species-dependent binding of new synthesized bicalutamide analogues to albumin by optical biosensor analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 111, 324-32	3.5	7
15	Nonsteroidal androgen receptor ligands: versatile syntheses and biological data. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 454-8	4.3	7
14	Helicity propensity and interaction of synthetic peptides from heptad-repeat domains of herpes simplex virus 1 glycoprotein H: a circular dichroism study. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2007</b> , 1774, 781-91	4	7
13	Species-dependent binding of tocainide analogues to albumin: affinity chromatography and circular dichroism study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 968, 69-78	3.2	5
12	Stopped-Flow Enantioselective HPLC-CD Analysis and TD-DFT Stereochemical Characterization of Methyl Trans-3-(3,4-Dimethoxyphenyl)Glycidate. <i>Chirality</i> , <b>2015</b> , 27, 914-8	2.1	5
11	Conformational flexibility and absolute stereochemistry of (3R)-3-hydroxy-4-aryl-piperidines investigated by chiroptical properties and TD-DFT calculations. <i>Chirality</i> , <b>2012</b> , 24, 741-50	2.1	5
10	Harnessing the Role of HDAC6 in Idiopathic Pulmonary Fibrosis: Design, Synthesis, Structural Analysis, and Biological Evaluation of Potent Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 9960-9988	8.3	5

9	Absolute Configuration Assignment of Chiral Resorcin[4]arenes from ECD Spectra. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 202-210	4.2	4
8	Stereochemical and conformational study on fenoterol by ECD spectroscopy and TD-DFT calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 91, 92-6	3.5	4
7	Camptothecin and thiocamptothecin: the role of sulfur in shifting the hydrolysis equilibrium towards the closed lactone form. <i>ChemMedChem</i> , <b>2011</b> , 6, 1706-14	3.7	4
6	New efficient synthesis of (3R,4S)-3-methyl-3-hydroxy-4-phenyl-lactam. <i>Tetrahedron: Asymmetry</i> , <b>1999</b> , 10, 2765-2773		4
5	Indole Derivative Interacts with Estrogen Receptor Beta and Inhibits Human Ovarian Cancer Cell Growth. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
4	Unveiling the Biochemistry of the Epigenetic Regulator SMYD3. <i>Biochemistry</i> , <b>2019</b> , 58, 3634-3645	3.2	3
3	Stereochemical characterization of fluorinated 2-(phenanthren-1-yl)propionic acids by enantioselective high performance liquid chromatography analysis and electronic circular dichroism detection. <i>Journal of Chromatography A</i> , <b>2012</b> , 1232, 128-33	4.5	3
2	Reversible human serum albumin binding of lipocrine: a circular dichroism study. <i>Chirality</i> , <b>2011</b> , 23, 827-32		3
1	Electronic Circular Dichroism in Drug Discovery <b>2012</b> , 819-842		1