

Carlo Bertucci

List of Publications by Year in descending order

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79
papers

3,380
citations

218381

26
h-index

155451

55
g-index

82
all docs

82
docs citations

82
times ranked

4288
citing authors

#	ARTICLE	IF	CITATIONS
1	β 2-Amyloid aggregation induced by human acetylcholinesterase: inhibition studies. <i>Biochemical Pharmacology</i> , 2003, 65, 407-416.	2.0	518
2	Insight Into the Kinetic of Amyloid β 2 (1 α 42) Peptide Self-Aggregation: Elucidation of Inhibitors TM Mechanism of Action. <i>ChemBioChem</i> , 2007, 8, 2152-2161.	1.3	328
3	Reversible and Covalent Binding of Drugs to Human Serum Albumin: Methodological Approaches and Physiological Relevance. <i>Current Medicinal Chemistry</i> , 2002, 9, 1463-1481.	1.2	316
4	Drug binding to human serum albumin: Abridged review of results obtained with high-performance liquid chromatography and circular dichroism. <i>Chirality</i> , 2006, 18, 667-679.	1.3	142
5	Posttranscriptional changes of serum albumin: Clinical and prognostic significance in hospitalized patients with cirrhosis. <i>Hepatology</i> , 2014, 60, 1851-1860.	3.6	135
6	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> , 1991, 80, 164-166.	1.6	122
7	Immobilized serum albumin: Rapid HPLC probe of stereoselective protein-binding interactions. <i>Chirality</i> , 1990, 2, 263-268.	1.3	109
8	A SMYD3 Small-Molecule Inhibitor Impairing Cancer Cell Growth. <i>Journal of Cellular Physiology</i> , 2015, 230, 2447-2460.	2.0	95
9	Circular dichroism detection in HPLC. <i>Chirality</i> , 1991, 3, 376-385.	1.3	71
10	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> , 2016, 59, 2612-2632.	2.9	70
11	Circular dichroism in drug discovery and development: an abridged review. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 155-166.	1.9	65
12	Enantioselective Nonsteroidal Aromatase Inhibitors Identified through a Multidisciplinary Medicinal Chemistry Approach. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7282-7289.	2.9	64
13	Species-dependent stereoselective drug binding to albumin: A circular dichroism study. <i>Chirality</i> , 2008, 20, 552-558.	1.3	56
14	Stereospecific and Competitive Binding of Drugs to Human Serum Albumin: A Difference Circular Dichroism Approach. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 737-741.	1.6	55
15	Reliable assay of extreme enantiomeric purity values by a new circular dichroism based HPLC detection system. , 2000, 12, 84-92.		46
16	Circular dichroic detection in the HPLC of chiral molecules: direct determination of elution orders. <i>Journal of Organic Chemistry</i> , 1984, 49, 5050-5054.	1.7	43
17	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> , 2006, 80, 2216-2224.	1.5	43
18	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> , 1995, 13, 1087-1093.	1.4	41

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19	Rapid screening of small ligand affinity to human serum albumin by an optical biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 32, 707-714.	1.4	40
20	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> , 2015, 113, 34-42.	1.4	38
21	Early Absorption and Distribution Analysis of Antitumor and Anti-AIDS Drugs: A Lipid Membrane and Plasma Protein Interactions. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3536-3546.	2.9	37
22	Albumin Homodimers in Patients with Cirrhosis: Clinical and Prognostic Relevance of a Novel Identified Structural Alteration of the Molecule. <i>Scientific Reports</i> , 2016, 6, 35987.	1.6	35
23	Ligand binding to a human serum albumin stationary phase: use of same-drug competition to discriminate pharmacologically relevant interactions. , 1998, 12, 248-254.		34
24	Binding studies of taxanes to human serum albumin by bioaffinity chromatography and circular dichroism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 81-87.	1.4	33
25	Site I on human albumin: Differences in the binding of (R)- and (S)-warfarin. , 1999, 11, 675-679.		31
26	5-Imino-1,2,4-thiadiazoles and quinazolines derivatives as glycogen synthase kinase 3 β (GSK-3 β) and phosphodiesterase 7 (PDE7) inhibitors: Determination of blood-brain barrier penetration and binding to human serum albumin. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 677-684.	1.9	30
27	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> , 2012, 1269, 69-81.	1.8	29
28	Mass spectrometric characterization of human serum albumin dimer: A new potential biomarker in chronic liver diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 112, 169-175.	1.4	29
29	(3R)-Chiral Control of 3-Alkyl-3-hydroxy- β -lactams via Addition Reaction of Imines to Enolates of 1,3-Dioxolan-4-ones. <i>Journal of Organic Chemistry</i> , 1999, 64, 4643-4651.	1.7	27
30	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> , 2021, 64, 9960-9988.	2.9	26
31	Enantioselective separation and online affinity chromatographic characterization of R,R- and S,S-fenoterol. <i>Chirality</i> , 2006, 18, 822-827.	1.3	25
32	Structural Characterization of Recombinant Therapeutic Proteins by Circular Dichroism. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1508-1516.	0.9	22
33	One-pot synthesis of (3R)-hydroxy- β -lactams via enolates of 2-tert-butyl-1,3-dioxolan-4-ones. Part 1. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 2527-2531.	1.8	21
34	Reversible binding of ethacrynic acid to human serum albumin: Difference circular dichroism study. , 1999, 11, 33-38.		21
35	Enantioselective inhibition of the binding of rac-propranolol to human serum albumin induced by lithocholate. <i>Chirality</i> , 2001, 13, 372-378.	1.3	21
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> , 2006, 40, 397-403.	1.4	21

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37	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> , 2014, 1363, 150-154.	1.8	21
38	Chemical modification of human albumin at cys34 by ethacrynic acid: structural characterisation and binding properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 127-136.	1.4	20
39	<i>N</i> -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> , 2014, 57, 2589-2600.	2.9	20
40	Enantioresolution, stereochemical characterization and biological activity of a chiral large-conductance calcium-activated potassium channel opener. <i>Journal of Chromatography A</i> , 2014, 1363, 162-168.	1.8	20
41	Ischaemia-modified albumin: a marker of bacterial infection in hospitalized patients with cirrhosis. <i>Liver International</i> , 2015, 35, 2425-2432.	1.9	20
42	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> , 2016, 122, 166-172.	1.4	20
43	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> , 2019, 162, 171-178.	1.4	20
44	Direct Enantiomeric Separation of Flavanones by High Performance Liquid Chromatography using Various Chiral Stationary Phases. <i>Planta Medica</i> , 1995, 61, 171-176.	0.7	19
45	Human Serum Albumin as Chiral Selector in Enantioselective High-Performance Liquid Chromatography. <i>Current Medicinal Chemistry</i> , 2017, 24, 743-757.	1.2	19
46	Stereochemical features of 1,4-benzodiazepin-2-ones bound to human serum albumin: Difference CD and UV studies. <i>Chirality</i> , 1990, 2, 167-174.	1.3	18
47	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> , 2006, 40, 389-396.	1.4	18
48	HSA binding of HIV protease inhibitors: a high-performance affinity chromatography study. <i>Journal of Separation Science</i> , 2009, 32, 1625-1631.	1.3	18
49	Surface plasmon resonance, fluorescence, and circular dichroism studies for the characterization of the binding of BACE-1 inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 827-835.	1.9	17
50	Mass spectrometry characterization of circulating human serum albumin microheterogeneity in patients with alcoholic hepatitis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 122, 141-147.	1.4	16
51	Circular dichroism detection in high-performance liquid chromatography: Evaluation of the anisotropy factor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 843-846.	1.4	15
52	Determination of dextromethorphan and levomethorphan in seized heroin samples by enantioselective HPLC and electronic CD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 81-82, 76-79.	1.4	15
53	Optical biosensor analysis in studying new synthesized bicalutamide analogs binding to androgen receptor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 151-157.	1.4	15
54	Synthesis of Optically Active Constrained 2-Substituted Norstatines: A Straightforward Application of Seebach's α -SRS Synthetic Principle. <i>Journal of Organic Chemistry</i> , 2004, 69, 9055-9062.	1.7	14

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55	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> , 2016, 408, 7971-7980.	1.9	14
56	Protein binding investigation by difference circular dichroism: Native and acetylated human serum albumins. <i>Chirality</i> , 1995, 7, 57-61.	1.3	13
57	Assessment of the absolute configuration of a series of (3R)-3-hydroxy-3-alkyl- β -lactams. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3401-3409.	1.8	12
58	Binding properties of human albumin modified by covalent binding of penicillin. <i>BBA - Proteins and Proteomics</i> , 2001, 1544, 386-392.	2.1	12
59	Synthesis and HSA binding characterisation of the water soluble 7-succinylpaclitaxel. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 383-389.	2.6	12
60	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> , 2007, 10, 433-440.	0.6	12
61	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> , 1985, 107, 17-19.	6.6	11
62	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> , 2015, 112, 176-180.	1.4	11
63	Structural basis for the magnesium-dependent activation of transketolase from <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2132-2145.	1.1	11
64	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> , 2010, 52, 796-801.	1.4	10
65	Tocainide analogues binding to human serum albumin: A HPLAC and circular dichroism study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 179-185.	1.4	9
66	Nonsteroidal Androgen Receptor Ligands: Versatile Syntheses and Biological Data. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 454-458.	1.3	9
67	Unveiling the Biochemistry of the Epigenetic Regulator SMYD3. <i>Biochemistry</i> , 2019, 58, 3634-3645.	1.2	8
68	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> , 2007, 1774, 781-791.	1.1	7
69	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> , 2014, 968, 69-78.	1.2	7
70	Species-dependent binding of new synthesized bicalutamide analogues to albumin by optical biosensor analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 324-332.	1.4	7
71	Indole Derivative Interacts with Estrogen Receptor Beta and Inhibits Human Ovarian Cancer Cell Growth. <i>Molecules</i> , 2020, 25, 4438.	1.7	7
72	New efficient synthesis of (3R,4S)-3-methyl-3-hydroxy-4-phenyl- β -lactam. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2765-2773.	1.8	6

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73	Camptothecin and Thiocamptothecin: the Role of Sulfur in Shifting the Hydrolysis Equilibrium towards the Closed Lactone Form. <i>ChemMedChem</i> , 2011, 6, 1706-1714.	1.6	6
74	Conformational Flexibility and Absolute Stereochemistry of (3 <i>R</i>)-3-hydroxy-4-caryloyl-2-lactams Investigated by Chiroptical Properties and TD-DFT Calculations. <i>Chirality</i> , 2012, 24, 741-750.	1.3	6
75	Stopped-Flow Enantioselective HPLC-CD Analysis and TD-DFT Stereochemical Characterization of Methyl <i>trans</i> -3-(3,4-dimethoxyphenyl)Glycidate. <i>Chirality</i> , 2015, 27, 914-918.	1.3	6
76	Reversible human serum albumin binding of lipocrine: A circular dichroism study. <i>Chirality</i> , 2011, 23, 827-832.	1.3	5
77	Absolute Configuration Assignment of Chiral Resorcin[4]arenes from ECD Spectra. <i>Journal of Organic Chemistry</i> , 2017, 82, 202-210.	1.7	5
78	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> , 2012, 1232, 128-133.	1.8	4
79	Stereochemical and conformational study on fenoterol by ECD spectroscopy and TD-DFT calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 91, 92-96.	1.4	4