Wojciech Bocian

List of Publications by Year
in descending order

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72	935	394421	552781
papers	citations	19	26
		h-index	g-index

81	81	81	1103
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Separation of menaquinone-7 geometric isomers by semipreparative high-performance liquid chromatography with silver complexation and identification by nuclear magnetic resonance. Food Chemistry, 2022, 368, 130890.	8.2	8
2	The solution and solid-state degradation study followed by identification of tedizolid related compounds in medicinal product by high performance liquid chromatography with diode array and tandem mass spectrometry detection. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113783.	2.8	3
3	A NMR study of binding the metabolite of SN38 derivatives to a model nicked DNA decamer mimicking target of Topo I inhibitors. Bioorganic Chemistry, 2021, 107, 104631.	4.1	3
4	Explanation of the Formation of Complexes between Representatives of Oxazolidinones and HDAS-Î²-CD Using Molecular Modeling as a Complementary Technique to cEKC and NMR. International Journal of Molecular Sciences, 2021, 22, 7139.	4.1	5
5	Novel Nontoxic 5,9-Disubstituted SN38 Derivatives: Characterization of Their Pharmacological Properties and Interactions with DNA Oligomers. International Journal of Molecular Sciences, 2021, 22, 8190.	4.1	2
6	The Mode of SN38 Derivatives Interacting with Nicked DNA Mimics Biological Targeting of Topo I Poisons. International Journal of Molecular Sciences, 2021, 22, 7471.	4.1	3
7	New camptothecin derivatives for generalized oncological chemotherapy: Synthesis, stereochemistry and biology. Bioorganic and Medicinal Chemistry Letters, 2021, 46, 128146.	2.2	9
8	On the diastereomeric purity of the D(â˜')â€(2R)â€ampicillin. Magnetic Resonance in Chemistry, 2020, 58, 191-197.	1.9	2
9	Cathinones - Routine NMR methodology for enantiomer discrimination and their absolute stereochemistry assignment, using R-BINOL. Journal of Molecular Structure, 2020, 1219, 128575.	3.6	7
10	Spectroscopic identification of intermediates and final products of the chiral pool synthesis of sutezolid. Journal of Molecular Structure, 2020, 1217, 128396.	3.6	2
11	UPLC-MS/MS determination of steroid hormones via a novel reaction based on derivatisation by a cyclic-organophosphate. Talanta, 2019, 204, 415-423.	5.5	2
12	Identification of Lysine Misincorporation at Asparagine Position in Recombinant Insulin Analogs Produced in E. coli. Pharmaceutical Research, 2019, 36, 79.	3.5	16
13	Enantioselective recognition of sutezolid by cyclodextrin modified non-aqueous capillary electrophoresis and explanation of complex formation by means of infrared spectroscopy, NMR and molecular modelling. Journal of Pharmaceutical and Biomedical Analysis, 2019, 169, 49-59.	2.8	22
14	Nuclear magnetic resonance spectroscopic study of the inclusion complex of (R)-tedizolid with HDAS-Î²-CD, Î²-CD, and Î³-cyclodextrin in aqueous solution. Journal of Pharmaceutical and Biomedical Analysis, 2019, 169, 170-180.	2.8	16
15	Solvent-dependent regioselectivity of 2â€²-deoxyadenosine alkylation by 9-aminomethyl derivatives of SN38. New Journal of Chemistry, 2019, 43, 18975-18978.	2.8	3
16	Regioselective alkylation reaction of the 2â€²-deoxyctidine with 9-aminomethyl derivatives of SN38. Journal of Molecular Structure, 2019, 1176, 298-302.	3.6	5
17	Insight into human insulin aggregation revisited using NMR derived translational diffusion parameters. Journal of Biomolecular NMR, 2018, 71, 101-114.	2.8	2
18	The application of multidimensional NMR analysis to cis/trans isomers study of menaquinone-7 (vitamine K2MK-7), identification of the (E,Z3,E2,Ï‰)-menaquinone-7 isomer in dietary supplements. Journal of Molecular Structure, 2018, 1171, 449-457.	3.6	14

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19	Enantioselective recognition of radezolid by cyclodextrin modified capillary electrokinetic chromatography and electronic circular dichroism. Journal of Pharmaceutical and Biomedical Analysis, 2017, 139, 98-108.	2.8	21
20	Identification and structural characterization of four novel synthetic cathinones: Î±-methylaminohexanophenone (hexedrone, HEX), 4-bromoethcathinone (4-BEC), 4-chloro-Î±-pyrrolidinopropiophenone (4-Cl-PPP), and 4-bromo-Î±-pyrrolidinopentiophenone (4-Br-PVP) after their seizures. Forensic Toxicology, 2017, 35, 317-332.	2.4	19
21	Application of spectroscopic methods (FT-IR, Raman, ECD and NMR) in studies of identification and optical purity of radezolid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 116-122.	3.9	5
22	Structure and pharmaceutical formulation development of a new long-acting recombinant human insulin analog studied by NMR and MS. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 126-132.	2.8	5
23	Preliminary study of mechanism of action of SN38 derivatives. Physicochemical data, evidence of interaction and alkylation of DNA octamer d(GCGATCGC)₂. Magnetic Resonance in Chemistry, 2017, 55, 128-136.	1.9	8
24	New generation of camptothecin derivatives spontaneously alkylating DNA. New Journal of Chemistry, 2016, 40, 7978-7985.	2.8	11
25	Spontaneous 2â€²-deoxyguanosine alkylation by a new generation of topoisomerase I inhibitors of the camptothecin family. New Journal of Chemistry, 2016, 40, 3010-3013.	2.8	8
26	The ¹H, ¹³C, ¹⁵N, and ¹⁹F NMR chemical shifts assignments in 5,10,15â€tris (pentafluorophenyl)tetraâ€“¹⁵N corrole at 191â€‰K. Magnetic Resonance in Chemistry, 2015, 53, 167-171.	1.9	1
27	DOSY NMR and MALDIâ€TOF evidence of covalent binding the DNA duplex by trimethylammonium salts of topotecan upon near UV irradiation. Magnetic Resonance in Chemistry, 2015, 53, 565-571.	1.9	11
28	Insights into the Tautomerism in mesoâ€Substituted Corroles: A Variableâ€Temperature ¹H, ¹³C, ¹⁵N, and ¹⁹Fâ€…NMR Spectroscopy Study. Chemistry - A European Journal, 2014, 20, 1720-1730.	3.3	21
29	The use of carbonyl group anisotropy effect in determination of the relative configuration of carbapenams. Arkivoc, 2014, 2014, 143-153.	0.5	3
30	Biosynthetic engineered B28Kâ€“B29P human insulin monomer structure in water and in water/acetonitrile solutions. Journal of Biomolecular NMR, 2013, 55, 303-309.	2.8	6
31	1H, 13C and 15N NMR data for indolo[2,3â€b]quinolines, a novel potent anticancer drug family. Magnetic Resonance in Chemistry, 2013, 51, 569-573.	1.9	4
32	Synthesis, Antidepressant Evaluation and Docking Studies of Longâ€Chain Alkylnitroquipazines as Serotonin Transporter Inhibitors. Chemical Biology and Drug Design, 2013, 81, 695-706.	3.2	10
33	Recombinant A22Gâ€“B31R-human insulin. A22 addition introduces conformational mobility in B chain C-terminus. Journal of Biomolecular NMR, 2012, 52, 365-370.	2.8	2
34	Genistein Binding Mode to Doubly Nicked Dumbbell DNA. Dynamic and Diffusion Ordered NMR Study. Journal of Medicinal Chemistry, 2011, 54, 8386-8393.	6.4	5
35	Novel recombinant insulin analogue with flexible C-terminus in B chain. NMR structure of biosynthetic engineered A22G-B31K-B32R human insulin monomer in water/acetonitrile solution. International Journal of Biological Macromolecules, 2011, 49, 548-554.	7.5	5
36	A dumbbell double nicked duplex dodecamer DNA with a PEG6 tether. Organic and Biomolecular Chemistry, 2011, 9, 4481.	2.8	6

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37	Topotecan dynamics, tautomerism and reactivityâ€"¹H/¹³C NMR and ESI MS study. Magnetic Resonance in Chemistry, 2010, 48, 575-584.	1.9	5
38	An assessment of polydispersed species in unfractionated and low molecular weight heparins by diffusion ordered nuclear magnetic resonance spectroscopy method. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 302-308.	2.8	22
39	A novel isoquinoline alkaloid, DD-carboxypeptidase inhibitor, with antibacterial activity isolated from Streptomyces sp. 8812. Part II: Physicochemical properties and structure elucidation. Journal of Antibiotics, 2009, 62, 581-585.	2.0	11
40	DFT calculations of the anomeric and exo-anomeric effect of the hydroperoxy and peroxy groups. Carbohydrate Research, 2008, 343, 1463-1472.	2.3	14
41	Structure of human insulin monomer in water/acetonitrile solution. Journal of Biomolecular NMR, 2008, 40, 55-64.	2.8	53
42	Direct insight into insulin aggregation by 2D NMR complemented by PFGSE NMR. Proteins: Structure, Function and Bioinformatics, 2008, 71, 1057-1065.	2.6	20
43	¹H, ¹³C and ¹⁵N NMR studies on adducts formation of rhodium(II) tetraacylates with some azoles in CDCl₃ solution. Magnetic Resonance in Chemistry, 2008, 46, 156-165.	1.9	23
44	Binding of Topotecan to a Nicked DNA Oligomer in Solution. Chemistry - A European Journal, 2008, 14, 2788-2794.	3.3	29
45	Enantioselective Epoxidation of Electrophilic Olefins by Using Glycosyl Hydroperoxides. Chemistry - A European Journal, 2008, 14, 6087-6097.	3.3	17
46	NMR structure of biosynthetic engineered human insulin monomer B31^{Lys}â€B32^{Arg} in water/acetonitrile solution. Comparison with the solution structure of native human insulin monomer. Biopolymers, 2008, 89, 820-830.	2.4	19
47	NMR and molecular modeling study, as complementary techniques to capillary electrophoresis method to elucidate the separation mechanism of linezolid enantiomers. Journal of Chromatography A, 2008, 1193, 164-171.	3.7	49
48	Assessment of Oversulfated Chondroitin Sulfate in Low Molecular Weight and Unfractioned Heparins Diffusion Ordered Nuclear Magnetic Resonance Spectroscopy Method. Journal of Medicinal Chemistry, 2008, 51, 7663-7665.	6.4	37
49	Structure and dynamics of methyl cis-3,4-diamino-2,3,4,6-tetradeoxy-Î±-l-lyxo-hexopyranoside complexes with PtCl2 and PdCl2, by 1H, 2H, 13C, 15N and 195Pt NMR spectroscopy in DMSO, CD3CN and H2O. Dalton Transactions, 2008, , 4129.	3.3	5
50	Interaction of flavonoid topoisomerase I and II inhibitors with DNA oligomers. New Journal of Chemistry, 2006, 30, 467.	2.8	23
51	1H and13C NMR data for indolo[2,3-b]quinolineâ€"aminoglycoside hybrids, a novel potent anticancer drug family. Magnetic Resonance in Chemistry, 2006, 44, 459-462.	1.9	3
52	Stereochemistry of the [2+2] Cycloaddition of Chlorosulfonyl Isocyanate to Chiral Alkoxyallenes Derived from 1,3-Alkylidene-L-erythritol and -D-threitol. European Journal of Organic Chemistry, 2005, 2005, 429-440.	2.4	11
53	Hydrogen bonds in â€œpush-pullâ€•enamines. New Journal of Chemistry, 2004, 28, 1562-1567.	2.8	8
54	Multiple Binding Modes of the Camptothecin Family to DNA Oligomers. Chemistry - A European Journal, 2004, 10, 5776-5787.	3.3	25

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55	The new HMQC-based technique for the quantitative determination of heteronuclear coupling constants. Application for the measurement of in DNA oligomers. Journal of Magnetic Resonance, 2003, 160, 120-125.	2.1	11
56	Platinum(ii) and palladium(ii) complexes with methyl 3,4-diamino-2,3,4,6-tetradeoxy-Î±-l-lyxo-hexopyranoside. Dalton Transactions, 2003, , 2177-2183.	3.3	15
57	Solution and solid state13C NMR and X-ray studies of genistein complexes with amines. Potential biological function of the C-7, C-5, and C-4â€²-OH groups. Organic and Biomolecular Chemistry, 2003, 1, 3578-3585.	2.8	24
58	The tautomeric equilibrium and stereochemistry of Î²-sulfonyl enamines. New Journal of Chemistry, 2002, 26, 1060-1069.	2.8	6
59	Complexation of steroid hormones: prednisolone, ethinyloestradiol and estriol with Î²-cyclodextrin. An aqueous 1H NMR study. Perkin Transactions II RSC, 2002, , 999-1004.	1.1	36
60	Secondary Deuterium Kinetic Isotope Effects in Irreversible Additions of Allyl Reagents to Benzaldehyde. Journal of Organic Chemistry, 2002, 67, 4236-4240.	3.2	34
61	The conformation of the naproxen anion studied by 1 H NMR and theoretical methods. Journal of Molecular Structure, 2001, 559, 369-377.	3.6	10
62	A nicked duplex decamer DNA with a PEG6 tether. Nucleic Acids Research, 2001, 29, 1132-1143.	14.5	22
63	Application of the HECADE method to the measurement of long-range heteronuclear13C,1H spin-spin coupling constants in tautomeric Î²-sulfonylenamines. Magnetic Resonance in Chemistry, 2000, 38, 839-844.	1.9	6
64	Secondary Deuterium Kinetic Isotope Effects in Irreversible Additions of Hydride and Carbon Nucleophiles to Aldehydes:Â A Spectrum of Transition States from Complete Bond Formation to Single Electron Transfer. Journal of the American Chemical Society, 1999, 121, 326-334.	13.7	45
65	Multinuclear Magnetic Resonance Study ofSome Mesoionic 1,2,3-Triazoles and RelatedCompounds. Magnetic Resonance in Chemistry, 1996, 34, 453-457.	1.9	9
66	NMR study of some sydnones, isosydnones, and isothiosydnones. Chemistry of Heterocyclic Compounds, 1996, 32, 1358-1366.	1.2	5
67	Multinuclear magnetic resonance study of some mesoionic 1,3,4-triazoles. Magnetic Resonance in Chemistry, 1995, 33, 134-137.	1.9	13
68	Multinuclear magnetic resonance study of some mesoionic oxatriazoles containing nitrogenous exocyclic groups. Chemistry of Heterocyclic Compounds, 1995, 31, 1103-1107.	1.2	3
69	A multinuclear NMR study of some cyclic phosphonic diamides. Spectroscopy, 1994, 12, 31-34.	0.8	0
70	Multinuclear magnetic resonance study of some mesoionic 1,3-diphenyltetrazoles with various exocyclic groups. Magnetic Resonance in Chemistry, 1994, 32, 284-287.	1.9	10
71	A multinuclear NMR study of some mesoionic 1,3-dimethyltetrazoles, 1- and 2-methyltetrazoles and related compounds. Journal of the Chemical Society Perkin Transactions II, 1994, , 1327-1332.	0.9	24
72	Multinuclear NMR study of some mesoionic 3-phenyl-1-thia-2,3,4-triazol-3-ium-5-ylmethanides with various exocyclic groups. Journal of the Chemical Society Perkin Transactions II, 1994, , 1467-1470.	0.9	13