

# Helmut Sigel

## List of Publications by Year in descending order

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267  
papers

12,817  
citations

19608

61  
h-index

30010

103  
g-index

299  
all docs

299  
docs citations

299  
times ranked

5848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acidâ€‘base properties of an antivirally active acyclic nucleoside phosphonate: (S)-9-[3-hydroxy-2-(phosphonomethoxy)propyl]adenine (HPMPA). <i>New Journal of Chemistry</i> , 2022, 46, 6484-6493.	1.4	3
2	Coordination Chemistry of Nucleotides and Antivirally Active Acyclic Nucleoside Phosphonates, including Mechanistic Considerations. <i>Molecules</i> , 2022, 27, 2625.	1.7	4
3	Metal Ion-Coordinating Properties in Aqueous Solutions of the Antivirally Active Nucleotide Analogue (S)-9-[3-Hydroxy-2-(phosphonomethoxy)propyl]adenine (HPMPA) - Quantification of Complex Isomeric Equilibria. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3892-3903.	1.0	4
4	The bio-relevant metals of the periodic table of the elements. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 461-471.	0.3	13
5	Metal ion complexes of nucleoside phosphorothioates reflecting the ambivalent properties of lead(II). <i>New Journal of Chemistry</i> , 2018, 42, 7551-7559.	1.4	6
6	Metal-ion binding properties of (S)-1-[3-hydroxy-2-(phosphonomethoxy)propyl]cytosine (HPMPC). <i>Journal of Coordination Chemistry</i> , 2018, 2018, 472, 283-294.	1.2	5
7	Intramolecular $\pi$ -stacks in mixed-ligand copper(II) complexes formed by heteroaromatic amines and antivirally active acyclic nucleotide analogs carrying a hydroxy-2-(phosphonomethoxy)propyl residue. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1910-1934.	0.8	4
8	11. Complex Formation of Lead(II) with Nucleotides and Their Constituents. <i>Journal of Inorganic Biochemistry</i> , 2017, 17, 319-402.		2
9	Lead - Its Effects on Environment and Health. <i>Journal of Inorganic Biochemistry</i> , 2017, 17, 319-402.		10
10	Acidâ€‘base and metal ion-binding properties of thiopyrimidine derivatives. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 200-220.	9.5	5
11	(N7)-Platination and its effect on (N1)H-acidification in nucleoside phosphate derivatives. <i>Inorganica Chimica Acta</i> , 2016, 452, 137-151.	1.2	4
12	Extent of intramolecular $\pi$ -stacks in aqueous solution in mixed-ligand copper(II) complexes formed by heteroaromatic amines and the anticancer and antivirally active 9-[2-(phosphonomethoxy)ethyl]guanine (PMEG). A comparison with related acyclic nucleotide analogues. <i>Polyhedron</i> , 2016, 103, 248-260.	1.0	5
13	Connectivity patterns and rotamer states of nucleobases determine acidâ€‘base properties of metalated purine quartets. <i>Journal of Inorganic Biochemistry</i> , 2015, 148, 93-104.	1.5	7
14	Solution properties of metal ion complexes formed with the antiviral and cytostatic nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]-2-amino-6-dimethylaminopurine (PME2A6DMAP). <i>Canadian Journal of Chemistry</i> , 2014, 92, 771-780.	0.6	6
15	Comparison of the $\pi$ -stacking properties of purine versus pyrimidine residues. Some generalizations regarding selectivity. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 691-703.	1.1	17
16	Complex Formation of Cadmium with Sugar Residues, Nucleobases, Phosphates, Nucleotides, and Nucleic Acids. <i>Metal Ions in Life Sciences</i> , 2013, 11, 191-274.	2.8	21
17	Intrinsic Acidâ€‘Base Properties of a Hexaâ€‘deoxynucleoside Pentaphosphate, d(ApGpCpCpCpT): Neighboring Effects and Isomeric Equilibria. <i>Chemistry - A European Journal</i> , 2013, 19, 8163-8181.	1.7	19
18	Extent of Intramolecular $\pi$ -Stacks in Aqueous Solution in Mixed-Ligand Copper(II) Complexes Formed by Heteroaromatic Amines and 1-[2-(phosphonomethoxy)ethyl]cytosine (PMEC), a Relative of Antivirally Active Acyclic Nucleotide Analogues (Part 72) [1, 2]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1661-1673.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Extent of Intramolecular $\pi$ - $\pi$ Stacks in Aqueous Solution in Mixed-Ligand Copper(II) Complexes Formed by Heteroaromatic Amines and Several 2-Aminopurine Derivatives of the Antivirally Active Nucleotide Analog 9-[(2-phosphonomethoxy)ethyl]adenine (PMEA). <i>Chemistry and Biodiversity</i> , 2012, 9, 2008-2034.	1.0	12
20	Steric guiding of metal ion binding to a purine residue by a non-coordinating amino group: Exemplified by 9-[(2-phosphonomethoxy)ethyl]-2-aminopurine (PME2AP), an isomer of the antiviral nucleotide analogue 9-[(2-phosphonomethoxy)ethyl]adenine (PMEA), and by related compounds. <i>Coordination Chemistry Reviews</i> , 2012, 256, 260-278.	9.5	21
21	Probing the Metal-Ion-Binding Strength of the Hydroxyl Group. <i>Chemical Reviews</i> , 2011, 111, 4964-5003.	23.0	53
22	Preface: metals in the brain. <i>Monatshefte für Chemie</i> , 2011, 142, 323-324.	0.9	0
23	Stability and Structure of Mixed-Ligand Metal Ion Complexes That Contain Ni <sup>2+</sup> , Cu <sup>2+</sup> , or Zn <sup>2+</sup> , and Histamine, as well as Adenosine 5'-triphosphate (ATP 4 <sup>-</sup> ) or Uridine 5'-triphosphate (UTP 4 <sup>-</sup> ): An Intricate Network of Equilibria. <i>Chemistry - A European Journal</i> , 2011, 17, 5393-5403.		23
24	Understanding the Acid-Base Properties of Adenosine: The Intrinsic Basicities of N1, N3 and N7. <i>Chemistry - A European Journal</i> , 2011, 17, 8156-8164.	1.7	70
25	Structural and catalytic roles of metal ions in RNA. <i>Metal Ions in Life Sciences</i> , 2011, 9, vii-ix.	2.8	7
26	A Stability Concept for Metal Ion Coordination to Single-Stranded Nucleic Acids and Affinities of Individual Sites. <i>Accounts of Chemical Research</i> , 2010, 43, 974-984.	7.6	206
27	Metal ion-binding properties of 9-[(2-phosphonomethoxy)ethyl]-2-aminopurine (PME2AP), an isomer of the antiviral nucleotide analogue 9-[(2-phosphonomethoxy)ethyl]adenine (PMEA). Steric guiding of metal ion-coordination by the purine-amino group. <i>Dalton Transactions</i> , 2010, 39, 6344.	1.6	17
28	Xanthosine 5'-monophosphate (XMP). Acid-base and metal ion-binding properties of a chameleon-like nucleotide. <i>Chemical Society Reviews</i> , 2009, 38, 2465.	18.7	29
29	Intramolecular $\pi$ - $\pi$ stacking interactions in aqueous solution in mixed-ligand copper(II) complexes formed by heteroaromatic amines and the nucleotide analogue 9-[(2-phosphonomethoxy)ethyl]-2-aminopurine (PME2AP), an isomer of the antivirally active 9-[(2-phosphonomethoxy)ethyl]adenine (PMEA). <i>Inorganica Chimica Acta</i> , 2009, 362, 799-810.	1.2	21
30	Influence of decreasing solvent polarity (1,4-dioxane/water mixtures) on the stability and structure of complexes formed by copper(II), 2,2'-bipyridine or 1,10-phenanthroline and guanosine 5'-diphosphate: evaluation of isomeric equilibria. <i>Journal of Coordination Chemistry</i> , 2009, 62, 23-39.	0.8	20
31	Acid-base and metal ion binding properties of 2-thiocytidine in aqueous solution. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 663-674.	1.1	10
32	Comparison of the Surprising Metal-Ion-Binding Properties of 5'- and 6'-Uracilmethylphosphonate (5Umpa <sup>2-</sup> and 6Umpa <sup>2-</sup> ) in Aqueous Solution and Crystal Structures of the Dimethyl and Di(isopropyl) Esters of H <sub>2</sub> (6Umpa). <i>Chemistry - A European Journal</i> , 2008, 14, 10036-10046.	1.7	11
33	Inosyl(3 <sup>+</sup> 5 <sup>2-</sup> )inosine (Ipl <sup>+</sup> ). Acid-Base and Metal Ion-Binding Properties of a Dinucleoside Monophosphate in Aqueous Solution. <i>Inorganic Chemistry</i> , 2008, 47, 2641-2648.	1.9	10
34	Dynamics of Biomineralization and Biode-mineralization. , 2008, 4, 413-456.		12
35	Cytochrome P450 and Steroid Hormone Biosynthesis. , 2007, , 361-396.		21
36	The Electrochemistry of Cytochrome P450. , 2007, , 127-155.		1

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37	Carbon-Carbon Bond Cleavage by P450 Systems. , 2007, , 397-435.		5
38	Drug Metabolism as Catalyzed by Human Cytochrome P450 Systems. , 2007, , 561-589.		6
39	Chemical Defense and Exploitation. Biotransformation of Xenobiotics by Cytochrome P450 Enzymes. , 2007, , 477-560.		7
40	Design and Engineering of Cytochrome P450 Systems. , 2007, , 437-476.		3
41	Structures of P450 Proteins and Their Molecular Phylogeny. , 2007, , 57-96.		9
42	Structural and Functional Mimics of Cytochromes P450. , 2007, , 27-55.		4
43	Cytochrome P450-Catalyzed Hydroxylations and Epoxidations. , 2007, , 319-359.		2
44	Extent of metal ion-sulfur binding in complexes of thiouracil nucleosides and nucleotides in aqueous solution. Journal of Inorganic Biochemistry, 2007, , .	1.5	0
45	Diversities and Similarities in P450 Systems: An Introduction. , 2007, , 1-26.		7
46	Aquatic P450 Species. , 2007, , 97-126.		1
47	Beyond Heme-Thiolate Interactions: Roles of the Secondary Coordination Sphere in Cytochrome P450 Systems. , 2007, , 267-284.		2
48	Leakage in Cytochrome P450 Reactions in Relation to Protein Structural Properties. , 2007, , 187-234.		6
49	Cytochrome P450 Enzymes: Observations from the Clinic. , 2007, , 591-617.		0
50	Cytochromes P450 - Structural Basis for Binding and Catalysis. , 2007, , 235-265.		3
51	Interactions of Cytochrome P450 with Nitric Oxide and Related Ligands. , 2007, , 285-317.		0
52	P450 Electron Transfer Reactions. , 2007, , 157-185.		1
53	Metal-Ion-Coordinating Properties of the Dinucleotide 2'-Deoxyguanylyl(5'-phosphoryl)-2'-deoxy-5'-guanylate (d(pCpG)3 <sup>2-</sup> ): Isomeric Equilibria Including Macrochelated Complexes Relevant for Nucleic Acids. Chemistry - A European Journal, 2007, 13, 1804-1814.	1.7	24
54	Biogeochemistry of Nickel and Its Release into the Environment. , 2007, , 1-29.		20

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55	Nickel Superoxide Dismutase. , 2007, , 417-443.		9
56	Biochemistry of the Nickel-Dependent Glyoxalase I Enzymes. , 2007, , 445-471.		6
57	Nickel in Acireductone Dioxygenase. , 2007, , 473-500.		18
58	The Nickel-Regulated Peptidyl Prolyl cis/trans Isomerase SlyD. , 2007, , 501-518.		1
59	Chaperones of Nickel Metabolism. , 2007, , 519-544.		7
60	The Role of Nickel in Environmental Adaptation of the Gastric Pathogen Helicobacter pylori. , 2007, , 545-579.		2
61	Nickel-Dependent Gene Expression. , 2007, , 581-618.		3
62	Nickel Toxicity and Carcinogenesis. , 2007, , 619-660.		12
63	Nickel in the Environment and Its Role in the Metabolism of Plants and Cyanobacteria. , 2007, , 31-62.		18
64	Nickel Ion Complexes of Amino Acids and Peptides. , 2007, , 63-107.		10
65	Complex Formation of Nickel(II) with Sugar Residues, Nucleobases, Phosphates, Nucleotides, and Nucleic Acids. , 2007, , 109-180.		6
66	Synthetic Models for the Active Sites of Nickel-Containing Enzymes. , 2007, , 181-239.		1
67	Urease: Recent Insights on the Role of Nickel. , 2007, , 241-277.		11
68	Nickel Iron Hydrogenases. , 2007, , 279-322.		14
69	Methyl-Coenzyme M Reductase and its Nickel Corphin Coenzyme F430 in Methanogenic Archaea. , 2007, , 323-356.		20
70	Acetyl-coenzyme A Synthases and Nickel-Containing Carbon Monoxide Dehydrogenases. , 2007, , 357-415.		13
71	New Ternary Complexes of Copper(II) with 2,2'-Bipyridine (Bpy) and Phosphocholine (PCh <sup>+</sup> ) or the Quaternary 1-(2-Phosphonomethoxy)ethyl Derivative of 2,4-Diaminopyrimidine (PMEDAP <sup>+</sup> ). European Journal of Inorganic Chemistry, 2007, 2007, 1867-1873.	1.0	7
72	Extent of metal ion-sulfur binding in complexes of thiouracil nucleosides and nucleotides in aqueous solution. Journal of Inorganic Biochemistry, 2007, 101, 727-735.	1.5	26

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73	Evidence for intramolecular aromatic-ring stacking in the physiological pH range of the monodeprotonated xanthine residue in mixed-ligand complexes containing xanthosinate 5â€²-monophosphate (XMP). Dalton Transactions, 2006, , 5521-5529.	1.6	23
74	Acidâ€²base properties of the nucleic-acid model 2â€²-deoxyguanylyl(5â€²â€²3â€²)-2â€²-deoxy-5â€²-guanylate, d(pCpG)3â€², and of related guanine derivatives. Organic and Biomolecular Chemistry, 2006, 4, 1085.	1.5	29
75	The Role of Aluminum in Neurotoxic and Neurodegenerative Processes. , 2006, , 371-393.		5
76	Metallic Prions: Mining the Core of Transmissible Spongiform Encephalopathies. , 2006, , 89-114.		0
77	The Malfunctioning of Copper Transport in Wilson and Menkes Diseases. , 2006, , 207-225.		1
78	Copper-Zinc Superoxide Dismutase and Familial Amyotrophic Lateral Sclerosis. , 2006, , 179-205.		0
79	In Vivo Assessment of Iron in Huntington's Disease and Other Age-Related Neurodegenerative Brain Diseases. , 2006, , 151-177.		1
80	Protein Folding, Misfolding, and Disease. , 2006, , 9-60.		3
81	Iron and its Role in Neurodegenerative Diseases. , 2006, , 227-279.		2
82	The Chemical Interplay between Catecholamines and Metal Ions in Neurological Diseases. , 2006, , 281-320.		7
83	Neurodegenerative Diseases and Metal Ions. A Concluding Overview. , 2006, , 427-435.		2
84	The Role of Metal Ions in Neurology. An Introduction. , 2006, , 1-7.		7
85	Metal Ion Binding Properties of Proteins Related to Neurodegeneration. , 2006, , 61-87.		1
86	The Role of Metal Ions in the Amyloid Precursor Protein and in Alzheimer's Disease. , 2006, , 115-123.		0
87	The Role of Iron in the Pathogenesis of Parkinson's Disease. , 2006, , 125-149.		11
88	Acidâ€²Base and Metal-Ion-Binding Properties of Xanthosine 5â€²-Monophosphate (XMP) in Aqueous Solution: Complex Stabilities, Isomeric Equilibria, and Extent of Macrochelation. Chemistry - A European Journal, 2006, 12, 8106-8122.	1.7	20
89	Zinc Metalloneurochemistry: Physiology, Pathology, and Probes. , 2006, , 321-370.		13
90	Neurotoxicity of Cadmium, Lead, and Mercury. , 2006, , 395-425.		5

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91	Nucleoside 5'-triphosphates: self-association, acid-base, and metal ion-binding properties in solution. <i>Chemical Society Reviews</i> , 2005, 34, 875.	18.7	217
92	Influence of Decreasing Solvent Polarity (1,4-Dioxane/Water Mixtures) on the Acid-Base and Copper(II)-Binding Properties of Guanosine 5'-Diphosphate. <i>Helvetica Chimica Acta</i> , 2005, 88, 406-425.	1.0	26
93	Nucleoside 5'-Triphosphates: Self-Association, Acid-Base, and Metal Ion-Binding Properties in Solution. <i>ChemInform</i> , 2005, 36, no.	0.1	0
94	Metal ion-binding properties of (N3)-deprotonated uridine, thymidine, and related pyrimidine nucleosides in aqueous solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7459-7464.	3.3	67
95	Acid-Base and Metal-Ion-Binding Properties of 9-[2-(2-Phosphonoethoxy)ethyl]adenine (PEEA), a Relative of the Antiviral Nucleotide Analogue 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). An Exercise on the Quantification of Isomeric Complex Equilibria in Solution. <i>Inorganic Chemistry</i> , 2005, 44, 5104-5117.	1.9	38
96	Nickel(II), Copper(II) and Zinc(II) Complexes of 9-[2-(Phosphonomethoxy)ethyl]-8-azaadenine (9,8aPMEA), the 8-Aza Derivative of the Antiviral Nucleotide Analogue 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). Quantification of Four Isomeric Species in Aqueous Solution. <i>Bioinorganic Chemistry and Applications</i> , 2004, 2, 331-352.	1.8	10
97	A quantitative appraisal of the ambivalent metal ion binding properties of cytidine in aqueous solution and an estimation of the anti-syn energy barrier of cytidine derivatives. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 365-373.	1.1	29
98	Quantification of isomeric equilibria formed by metal ion complexes of 8-[2-(phosphonomethoxy)ethyl]-8-azaadenine (8,8aPMEA) and 9-[2-(phosphonomethoxy)ethyl]-8-azaadenine (9,8aPMEA). Derivatives of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA). <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 961-972.	1.1	12
99	Two Metal Ions Coordinated to a Purine Residue Tolerate Each Other Well. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3793-3795.	7.2	38
100	Metal Ion Complexes of Antivirally Active Nucleotide Analogues. Conclusions Regarding Their Biological Action. <i>ChemInform</i> , 2004, 35, no.	0.1	0
101	Perturbation of the NH2 pKa Value of Adenine in Platinum(II) Complexes: Distinct Stereochemical Internucleobase Effects. <i>Chemistry - A European Journal</i> , 2004, 10, 1046-1057.	1.7	43
102	Acid-Base Properties of Xanthosine 5'-Monophosphate (XMP) and of Some Related Nucleobase Derivatives in Aqueous Solution: Micro Acidity Constant Evaluations of the (N1)H versus the (N3)H Deprotonation Ambiguity. <i>Chemistry - A European Journal</i> , 2004, 10, 5129-5137.	1.7	17
103	Intramolecular stacking interactions in ternary copper(II) complexes formed by a heteroaromatic amine and 9-[2-(2-phosphonoethoxy)ethyl]adenine, a relative of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 2114-2124.	1.5	18
104	Metal Ion-Binding Properties of (1H-Benzimidazol-2-yl-methyl)phosphonate (Bimp2-) in Aqueous Solution. Isomeric Equilibria, Extent of Chelation, and a New Quantification Method for the Chelate Effect. <i>Inorganic Chemistry</i> , 2004, 43, 1311-1322.	1.9	52
105	Metal ion complexes of antivirally active nucleotide analogues. Conclusions regarding their biological action. <i>Chemical Society Reviews</i> , 2004, 33, 191.	18.7	69
106	Solution Structures of Binary and Ternary Metal Ion Complexes of 9-(5-Phosphonopentyl)adenine (3'-deoxa-PEEA). A Nucleotide Analogue Related to the Antivirally Active 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2937-2947.	1.0	4
107	Stabilities and Isomeric Equilibria in Aqueous Solution of Monomeric Metal Ion Complexes of Adenosine 5'-Diphosphate (ADP3) in Comparison with Those of Adenosine 5'-Monophosphate (AMP2). <i>Chemistry - A European Journal</i> , 2003, 9, 881-892.	1.7	85
108	Complex Formation of Divalent Metal Ions with Uridine 5'-O-Thiomonophosphate or Methyl Thiophosphate: Comparison of Complex Stabilities with Those of the Parent Phosphate Ligands. <i>ChemBioChem</i> , 2003, 4, 593-602.	1.3	29

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109	Stability and structure of binary and ternary metal ion complexes in aqueous solution of the quaternary 1-[2-(phosphonomethoxy)ethyl] derivative of 2,4-diaminopyrimidine (PMEDAPy <sup>+</sup> ). Properties of an acyclic nucleotide analogue. <i>Polyhedron</i> , 2003, 22, 1067-1076.	1.0	17
110	Stability constants of metal ion complexes formed with N3-deprotonated uridine in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2003, 6, 90-93.	1.8	26
111	Intrinsic Acid-Base Properties of Purine Derivatives in Aqueous Solution and Comparison of the Acidifying Effects of Platinum(II) Coordinated to N1 or N7: Acidifying Effects Are Reciprocal and the Proton Outranks Divalent Metal Ions. <i>Inorganic Chemistry</i> , 2003, 42, 32-41.	1.9	71
112	Acid-Base and Metal Ion Binding Properties of Guanylyl(3 <sup>'</sup> 5 <sup>'</sup> )guanosine (GpG-) and 2 <sup>'</sup> -Deoxyguanylyl(3 <sup>'</sup> 5 <sup>'</sup> )-2 <sup>'</sup> -deoxyguanosine [d(GpG)-] in Aqueous Solution. <i>Inorganic Chemistry</i> , 2003, 42, 3475-3482.	1.9	53
113	Synthesis and acid-base properties of (1H-benzimidazol-2-yl-methyl)phosphonate (Bimp2 <sup>-</sup> ). Evidence for intramolecular hydrogen-bond formation in aqueous solution between (N-1)H and the phosphonate group. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1819-1826. Comparison of the acid-base properties of purine derivatives in aqueous solution. Determination of intrinsic proton affinities of various basic sites Electronic supplementary information (ESI) available:	1.5	19

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127	Evaluation of intramolecular equilibria in complexes formed between substituted imidazole ligands and nickel(II), copper(II) or zinc(II). <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 129-137.	1.5	33
128	Quantification of isomeric equilibria for metal ion complexes formed in solution by phosphate or phosphonate ligands with a weakly coordinating second site. <i>Coordination Chemistry Reviews</i> , 2000, 200-202, 563-594.	9.5	63
129	Intramolecular stacking interactions in mixed ligand complexes formed by copper(II), 2,2'-bipyridine or 1,10-phenanthroline, and monoprotonated or deprotonated adenosine 5'-diphosphate (ADP3 <sup>-</sup> ). Evaluation of isomeric equilibria. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 487-498.	1.2	27
130	Ternary Copper(II) Complexes in Solution [1,2] Formed With 8-Aza Derivatives of the Antiviral Nucleotide Analogue 9-[2-(Phosphonomethoxy)Ethyl]Adenine (PMEA). <i>Metal-Based Drugs</i> , 2000, 7, 313-324.	3.8	14
131	Properties of the Ternary (Dien)Pt(PMEA-N7) Complex Containing Diethylenetriamine (Dien) and the Antiviral 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). Synthesis, Biological Screening, Acid-Base Behaviour, and Metal Ion-Binding in Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000, 55, 1141-1152.	0.3	5
132	Intramolecular chelate formation involving the carbonyl oxygen of acetyl phosphate or acetylphosphonate in mixed ligand copper(II) complexes containing also 2,2'-bipyridine or 1,10-phenanthroline. A decreased solvent polarity favours the metal ion-carbonyl oxygen recognition. <i>Dalton Transactions RSC</i> , 2000, , 899-904.	2.3	15
133	Metal ion-binding properties of 9-(4-phosphonobutyl)adenine (dPMEA), a sister compound of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA), and quantification of the equilibria involving four Cu(PMEA) isomers. <i>Dalton Transactions RSC</i> , 2000, , 2077-2084.	2.3	30
134	Isomeric Equilibria in Aqueous Solution Involving Aromatic Ring Stacking in the Sexternary Complexes Formed by the Quaternary cis-(NH <sub>3</sub> ) <sub>2</sub> Pt(2'-deoxyguanosine-N7)(dGMP-N7) Complex and the Binary Cu(2,2'-bipyridine) <sub>2</sub> + or Cu(1,10-phenanthroline) <sub>2</sub> + Complexes (dGMP <sub>2</sub> -= 2'-Deoxyguanosine) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	1.9	20
135	Lead(II)-Binding Properties of the 5'-Monophosphates of Adenosine (AMP <sup>2-</sup> ), Inosine (IMP <sup>2-</sup> ), and Guanosine (GMP <sup>2-</sup> ) in Aqueous Solution. Evidence for Nucleobase-Lead(II) Interactions. <i>Inorganic Chemistry</i> , 2000, 39, 5985-5993.	1.9	45
136	Metal Ion-Binding Properties of the Diphosphate Ester Analogue, Methylphosphonylphosphate, in Aqueous Solution. <i>Metal-Based Drugs</i> , 1999, 6, 321-328.	3.8	6
137	Metal Ion-Binding Properties of the Nucleotide Analogue 1-[2-(Phosphonomethoxy)ethyl]cytosine (PMEC) in Aqueous Solution. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 613-632.	1.0	26
138	On the Metal-Ion-Coordinating Properties of the Benzimidazole Residue in Aqueous Solution - Extent of Acidification of Benzimidazole-(N3)H Sites by (N1)-Coordinated Divalent Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1781-1786.	1.0	8
139	Acid-Base and Metal-Ion-Coordinating Properties of Benzimidazole and Derivatives (=) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 25</i> <i>Chemistry - A European Journal</i> , 1999, 5, 1794-1802.	1.7	67
140	Effects of (N7)-Coordinated Nickel(II), Copper(II), or Platinum(II) on the Acid-Base Properties of Guanine Derivatives and Other Related Purines[â%]. <i>Chemistry - A European Journal</i> , 1999, 5, 2374-2387.	1.7	116
141	Extent of intramolecular stacking interactions in the mixed-ligand complexes formed in aqueous solution by copper(II), 2,2'-bipyridine or 1,10-phenanthroline and 2'-deoxyguanosine 5'-monophosphate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 357-366.		34
142	Aspects of the co-ordination chemistry of the antiviral nucleotide analogue, 9-[2-(phosphonomethoxy)ethyl]-2,6-diaminopurine (PMEDAP). <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3661-3671.	1.1	30
143	Why is the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine in its diphosphorylated form (PMEApp <sup>4-</sup> ) initially a better substrate for polymerases than (2'-deoxy)adenosine 5'-triphosphate (dATP <sup>4-</sup> /ATP <sup>4-</sup> )? Considerations on the mechanism of nucleic acid polymerases. <i>Chemical Communications</i> , 1999, , 743-744.	2.2	22
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