Helmut Sigel

List of Publications by Year
in descending order

267 papers	12,817 citations	19657 61 h-index	30087 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: (<i>S</i>)-9-[3-hydroxy-2-(phosphonomethoxy)propyl]adenine (HPMPA). New Journal of Chemistry, 2022, 46, 6484-6493.	2.8	3
2	Coordination Chemistry of Nucleotides and Antivirally Active Acyclic Nucleoside Phosphonates, including Mechanistic Considerations. Molecules, 2022, 27, 2625.	3.8	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. European Journal of Inorganic Chemistry, 2019, 2019, 3892-3903.	2.0	4
4	The bio-relevant metals of the periodic table of the elements. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 461-471.	0.7	13
5	Metal ion complexes of nucleoside phosphorothioates reflecting the ambivalent properties of lead(<scp>ii</scp>). New Journal of Chemistry, 2018, 42, 7551-7559.	2.8	6
6	Metal-ion binding properties of (S)-1-[3-hydroxy-2-(phosphonomethoxy)propyl]cytosine (HPMPC,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472, 283-294.	2.4	5
7	Intramolecular Ï€-stacks in mixed-ligand copper(II) complexes formed by heteroaromatic amines and antivirally active acyclic nucleotide analogs carrying a hydroxy-2-(phosphonomethoxy)propyl residue^{â€¡}. Journal of Coordination Chemistry, 2018, 71, 1910-1934.	2.2	4
8	11. Complex Formation of Lead(II) with Nucleotides and Their Constituents. , 2017, 17, 319-402.		2
9	Lead â€“ Its Effects on Environment and Health. , 2017, , .		10
10	Acidâ€“base and metal ion-binding properties of thiopyrimidine derivatives. Coordination Chemistry Reviews, 2016, 327-328, 200-220.	18.8	5
11	(N7)-Platination and its effect on (N1)H-acidification in nucleoside phosphate derivatives. Inorganica Chimica Acta, 2016, 452, 137-151.	2.4	4
12	Extent of intramolecular Ï€ 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. Polyhedron, 2016, 103, 248-260.	2.2	5
13	Connectivity patterns and rotamer states of nucleobases determine acidâ€“base properties of metalated purine quartets. Journal of Inorganic Biochemistry, 2015, 148, 93-104.	3.5	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). Canadian Journal of Chemistry, 2014, 92, 771-780.	1.1	6
15	Comparison of the Ï€-stacking properties of purine versus pyrimidine residues. Some generalizations regarding selectivity. Journal of Biological Inorganic Chemistry, 2014, 19, 691-703.	2.6	17
16	Complex Formation of Cadmium with Sugar Residues, Nucleobases, Phosphates, Nucleotides, and Nucleic Acids. Metal Ions in Life Sciences, 2013, 11, 191-274.	2.8	21
17	Intrinsic Acidâ€“Base Properties of a Hexaâ€2â€²â€deoxynucleoside Pentaphosphate, d(ApGpGpCpCpT): Neighboring Effects and Isomeric Equilibria. Chemistry - A European Journal, 2013, 19, 8163-8181.	3.3	19
18	Extent of Intramolecular Ï€ Stacks in Aqueous Solution in Mixedâ€Ligand Copper(II) Complexes Formed by Heteroaromatic Amines and 1â€[2â€(Phosphonomethoxy)ethyl]cytosine (PMEC), a Relative of Antivirally Active Acyclic Nucleotide Analogues (Part 72)^[1, 2]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1661-1673.	1.2	6

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19	Extent of Intramolecular <i>Ï€</i>â€Stacks in Aqueous Solution in Mixedâ€Ligand Copper(II) Complexes Formed by Heteroaromatic Amines and Several 2â€Aminopurine Derivatives of the Antivirally Active Nucleotide Analog 9â€[2â€(Phosphonomethoxy)ethyl]adenine (PMEA). Chemistry and Biodiversity, 2012, 9, 2008-2034.	2.1	12
20	Steric guiding of metal ion binding to a purine residue by a non-coordinating amino group: Examplified 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. Coordination Chemistry Reviews, 2012, 256, 260-278.	18.8	21
21	Probing the Metal-Ion-Binding Strength of the Hydroxyl Group. Chemical Reviews, 2011, 111, 4964-5003.	47.7	53
22	Preface: metals in the brain. Monatshefte FÃ¼r Chemie, 2011, 142, 323-324.	1.8	0
23	Stability and Structure of Mixedâ€Ligand Metal Ion Complexes That Contain Ni 2+ , Cu 2+ , or Zn 2+ , and Histamine, as well as Adenosine 5â€²â€Triphosphate (ATP 4â^') or Uridine 5â€²â€Triphosphate (UTP 4â^'): An Intricate Network of Equilibria. Chemistry - A European Journal, 2011, 17, 5393-5403.	3.3	23
24	Understanding the Acidâ€“Base Properties of Adenosine: The Intrinsic Basicities of N1, N3 and N7. Chemistry - A European Journal, 2011, 17, 8156-8164.	3.3	70
25	Structural and catalytic roles of metal ions in RNA. Metal Ions in Life Sciences, 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. Accounts of Chemical Research, 2010, 43, 974-984.	15.6	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. Dalton Transactions, 2010, 39, 6344.	3.3	17
28	Xanthosine 5â€²-monophosphate (XMP). Acidâ€“base and metal ion-binding properties of a chameleon-like nucleotide. Chemical Society Reviews, 2009, 38, 2465.	38.1	29
29	Intramolecular Ï€â€“Ï€ 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). Inorganica Chimica Acta, 2009, 362, 799-810.	2.4	21
30	Influence of decreasing solvent polarity (1,4-dioxane/water mixtures) on the stability and structure of complexes formed by copper(II), 2,2â€²-bipyridine or 1,10-phenanthroline and guanosine 5â€²-diphosphate: evaluation of isomeric equilibria. Journal of Coordination Chemistry, 2009, 62, 23-39.	2.2	20
31	Acidâ€“base and metal ion binding properties of 2-thiocytidine in aqueous solution. Journal of Biological Inorganic Chemistry, 2008, 13, 663-674.	2.6	10
32	Comparison of the Surprising Metalâ€Ionâ€Binding Properties of 5â€•and 6â€Uracilmethylphosphonate (5Umpa^{2â^'} and 6Umpa^{2â^'}) in Aqueous Solution and Crystal Structures of the Dimethyl and Di(isopropyl) Esters of H₂(6Umpa). Chemistry - A European Journal, 2008, 14, 10036-10046.	3.3	11
33	Inosylyl(3â€²â†'5â€²)inosine (Iplâ€"). Acidâ€"Base and Metal Ion-Binding Properties of a Dinucleoside Monophosphate in Aqueous Solution. Inorganic Chemistry, 2008, 47, 2641-2648.	4.0	10
34	Dynamics of Biomineralization and Biodemineralization. , 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, , .	3.5	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 2â€²-Deoxyguanylyl(5â€²â†'3â€²)-2â€²-deoxy-5â€²-guanylate (d(pGpG)3â^'): Isomeric Equilibria Including Macrochelated Complexes Relevant for Nucleic Acids. Chemistry - A European Journal, 2007, 13, 1804-1814.	3.3	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 2,2â€²-Bipyridine (Bpy) and Phosphocholine (PChâ€“) or the Quaternary 1-(2-Phosphonomethoxy)ethyl Derivative of 2,4-Diaminopyrimidine (PMEDAPyâ€“). European Journal of Inorganic Chemistry, 2007, 2007, 1867-1873.	2.0	7
72	Extent of metal ionâ€“sulfur binding in complexes of thiouracil nucleosides and nucleotides in aqueous solution. Journal of Inorganic Biochemistry, 2007, 101, 727-735.	3.5	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.	3.3	23
74	Acidâ€"base properties of the nucleic-acid model 2â€²-deoxyguanylyl(5â€²â†'3â€²)-2â€²-deoxy-5â€²-guanylate, d(pGpG)3â€", and of related guanine derivatives. Organic and Biomolecular Chemistry, 2006, 4, 1085.	2.8	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€"Base 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.	3.3	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 5â€²-triphosphates: self-association, acidâ€“base, and metal ion-binding properties in solution. Chemical Society Reviews, 2005, 34, 875.	38.1	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. Helvetica Chimica Acta, 2005, 88, 406-425.	1.6	26
93	Nucleoside 5â€²-Triphosphates: Self-Association, Acidâ€"Base, and Metal Ion-Binding Properties in Solution. ChemInform, 2005, 36, no.	0.0	0
94	Metal ion-binding properties of (N3)-deprotonated uridine, thymidine, and related pyrimidine nucleosides in aqueous solution. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7459-7464.	7.1	67
95	Acidâˆ'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. Inorganic Chemistry, 2005, 44, 5104-5117.	4.0	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. Bioinorganic Chemistry and Applications, 2004, 2, 331-352.	4.1	10
97	A quantitative appraisal of the ambivalent metal ion binding properties of cytidine in aqueous solution and an estimation of the antiâ€"syn energy barrier of cytidine derivatives. Journal of Biological Inorganic Chemistry, 2004, 9, 365-373.	2.6	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). Journal of Biological Inorganic Chemistry, 2004, 9, 961-972.	2.6	12
99	Two Metal Ions Coordinated to a Purine Residue Tolerate Each Other Well. Angewandte Chemie - International Edition, 2004, 43, 3793-3795.	13.8	38
100	Metal Ion Complexes of Antivirally Active Nucleotide Analogues. Conclusions Regarding Their Biological Action. ChemInform, 2004, 35, no.	0.0	0
101	Perturbation of the NH2 pKa Value of Adenine in Platinum(II) Complexes: Distinct Stereochemical Internucleobase Effects. Chemistry - A European Journal, 2004, 10, 1046-1057.	3.3	43
102	Acidâ€"Base Properties of Xanthosine 5â€²-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. Chemistry - A European Journal, 2004, 10, 5129-5137.	3.3	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]adenineâ˜†. Journal of Inorganic Biochemistry, 2004, 98, 2114-2124.	3.5	18
104	Metal Ion-Binding Properties of (1H-Benzimidazol-2-yl-methyl)phosphonate (Bimp2-) in Aqueous Solution.âŠ¥Isomeric Equilibria, Extent of Chelation, and a New Quantification Method for the Chelate Effect. Inorganic Chemistry, 2004, 43, 1311-1322.	4.0	52
105	Metal ion complexes of antivirally active nucleotide analogues. Conclusions regarding their biological action. Chemical Society Reviews, 2004, 33, 191.	38.1	69
106	Solution Structures of Binary and Ternary Metal Ion Complexes of 9-(5-Phosphonopentyl)adenine (3â€²-deoxa-PEEA). A Nucleotide Analogue Related to the Antivirally Active 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). European Journal of Inorganic Chemistry, 2003, 2003, 2937-2947.	2.0	4
107	Stabilities and Isomeric Equilibria in Aqueous Solution of Monomeric Metal Ion Complexes of Adenosine 5â€²-Diphosphate (ADP3) in Comparison with Those of Adenosine 5â€²-Monophosphate (AMP2). Chemistry - A European Journal, 2003, 9, 881-892.	3.3	85
108	Complex Formation of Divalent Metal Ions with Uridine 5â€²-O-Thiomonophosphate or Methyl Thiophosphate: Comparison of Complex Stabilities with Those of the Parent Phosphate Ligands. ChemBioChem, 2003, 4, 593-602.	2.6	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 (PMEDAPyâˆ’). Properties of an acyclic nucleotide analogue. Polyhedron, 2003, 22, 1067-1076.	2.2	17
110	Stability constants of metal ion complexes formed with N3-deprotonated uridine in aqueous solution. Inorganic Chemistry Communication, 2003, 6, 90-93.	3.9	26
111	Intrinsic Acidâˆ’Base Properties of Purine Derivatives in Aqueous Solution and Comparison of the Acidifying Effects of Platinum(II) Coordinated to N1 or N7:Â Acidifying Effects Are Reciprocal and the Proton â€œOutrunsâ€•Divalent Metal Ions. Inorganic Chemistry, 2003, 42, 32-41.	4.0	71
112	Acidâˆ’Base and Metal Ion Binding Properties of Guanylyl(3â€˜â†’5â€˜)guanosine (GpG-) and 2â€˜-Deoxyguanylyl(3â€˜â†’5â€˜)-2â€˜-deoxyguanosine [d(GpG)-] in Aqueous Solution. Inorganic Chemistry, 2003, 42, 3475-3482.	4.0	53
113	Synthesis and acidâ€“base properties of (1H-benzimidazol-2-yl-methyl)phosphonate (Bimp2âˆ’). Evidence for intramolecular hydrogen-bond formation in aqueous solution between (N-1)H and the phosphonate group. Organic and Biomolecular Chemistry, 2003, 1, 1819-1826.	2.8	19
114	Comparison of the acidâ€“base properties of purine derivatives in aqueous solution. Determination of intrinsic proton affinities of various basic sitesElectronic supplementary information (ESI) available:		

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127	Evaluation of intramolecular equilibria in complexes formed between substituted imidazole ligands and nickel(II), copper(II) or zinc(II). Journal of Inorganic Biochemistry, 2000, 78, 129-137.	3.5	33
128	Quantification of isomeric equilibria for metal ion complexes formed in solution by phosphate or phosphonate ligands with a weakly coordinating second site. Coordination Chemistry Reviews, 2000, 200-202, 563-594.	18.8	63
129	Intramolecular stacking interactions in mixed ligand complexes formed by copper(II), 2,2â€²-bipyridine or 1,10-phenanthroline, and monoprotonated or deprotonated adenosine 5â€²-diphosphate (ADP3â^'). Evaluation of isomeric equilibria. Inorganica Chimica Acta, 2000, 300-302, 487-498.	2.4	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). Metal-Based Drugs, 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. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2000, 55, 1141-1152.	0.7	5
132	Intramolecular chelate formation involving the carbonyl oxygen of acetyl phosphate or acetonylphosphonate in mixed ligand copper(II) complexes containing also 2,2â€²-bipyridine or 1,10-phenanthroline. A decreased solvent polarity favours the metal ionâ€"carbonyl oxygen recognitionâ€Šâ€. Dalton Transactions RSC, 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. Dalton Transactions RSC, 2000, , 2077-2084.	2.3	30
134	Isomeric Equilibria in Aqueous Solution Involving Aromatic Ring Stacking in the Sexternary Complexes Formed by the Quaternarycis-(NH3)2Pt(2â€˜-deoxyguanosine-N7)(dGMP-N7) Complex and the Binary Cu(2,2â€˜-bipyridine)2+or Cu(1,10-phenanthroline)2+Complexes (dGMP2-= 2â€˜-Deoxyguanosine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	20
135	Lead(II)-Binding Properties of the 5â€˜-Monophosphates of Adenosine (AMP2-), Inosine (IMP2-), and Guanosine (GMP2-) in Aqueous Solution. Evidence for Nucleobaseâ^'Lead(II) Interactions. Inorganic Chemistry, 2000, 39, 5985-5993.	4.0	45
136	Metal Ion-Binding Properties of the Diphosphate Ester Analogue, Methylphosphonylphosphate, in Aqueous Solution. Metal-Based Drugs, 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. Collection of Czechoslovak Chemical Communications, 1999, 64, 613-632.	1.0	26
138	On the Metal-Ion-Coordinating Properties of the Benzimidazolate Residue in Aqueous Solution â€" Extent of Acidification of Benzimidazole-(N3)H Sites by (N1)-Coordinated Divalent Metal Ions. European Journal of Inorganic Chemistry, 1999, 1999, 1781-1786.	2.0	8
139	Acid-Base and Metal-Ion-Coordinating Properties of Benzimidazole and Derivatives (=) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 Chemistry - A European Journal, 1999, 5, 1794-1802.	3.3	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‰]. Chemistry - A European Journal, 1999, 5, 2374-2387.	3.3	116
141	Extent of intramolecular stacking interactions in the mixed-ligand complexes formed in aqueous solution by copper(II), 2,2â€²-bipyridine or 1,10-phenanthroline and 2â€²-deoxyguanosine 5â€²-monophosphateâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 357-366.	1.1	34
142	Aspects of the co-ordination chemistry of the antiviral nucleotide analogue, 9-[2-(phosphonomethoxy)ethyl]-2,6-diaminopurine (PMEDAP). Journal of the Chemical Society Dalton Transactions, 1999, , 3661-3671.	1.1	30
143	Why is the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine in its diphosphorylated form (PMEApp4â^') initially a better substrate for polymerases than (2â€²-deoxy)adenosine 5â€²-triphosphate (dATP4â^'/ATP4â^')? Considerations on the mechanism of nucleic acid polymerases. Chemical Communications, 1999, , 743-744.	4.1	22
144	Acidâ^'Base and Metal Ion-Coordinating Properties of Pyrimidine-Nucleoside 5â€˜-Diphosphates (CDP, UDP,) Tj ETQq0 0 0 rgBT /Overloc Stability and Diphosphate Basicity. Inorganic Chemistry, 1999, 38, 439-448.	4.0	63

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145	Stability and Structure of Metal Ion Complexes Formed in Solution with Acetyl Phosphate and Acetonylphosphonate:Â Quantification of Isomeric Equilibria. Journal of the American Chemical Society, 1999, 121, 6248-6257.	13.7	59
146	Stability of binary and ternary copper(II) complexes of the diphosphate analogue, methylphosphonylphosphate, in aqueous solution. Inorganica Chimica Acta, 1998, 273, 101-105.	2.4	18
147	Metal ion-coordinating properties of imidazole and derivatives in aqueous solution: interrelation between complex stability and ligand basicity. Inorganica Chimica Acta, 1998, 280, 50-56.	2.4	66
148	Ternary complexes in solution. Intramolecular stacking interactions in mixed ligand complexes formed by copper(II), 2,2â€²-bipyridyl or 1,10-phenanthroline and a pyrimidine-nucleoside 5â€²-diphosphate (CDP3âˆ’, UDP3âˆ’, dTDP3âˆ’). Inorganica Chimica Acta, 1998, 283, 193-201.	2.4	23
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