Lech ChmurzyÅ„ski

List of Publications by Year
in descending order

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170	2,016	346980	445137
papers	citations	22 h-index	33 g-index

171	171	171	2244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Effect of pH, Temperature, and Surfactant Structure on Bovine Serum Albuminâ€“Cationic/Anionic/Nonionic Surfactants Interactions in Cacodylate Bufferâ€“Fluorescence Quenching Studies Supported by UV Spectrophotometry and CD Spectroscopy. International Journal of Molecular Sciences, 2022, 23, 41.	1.8	11
2	Fluorescence Quenching Studies on the Interactions between Chosen Fluoroquinolones and Selected Stable TEMPO and PROXYL Nitroxides. International Journal of Molecular Sciences, 2021, 22, 885.	1.8	12
3	Physicochemical nature of sodium dodecyl sulfate interactions with bovine serum albumin revealed by interdisciplinary approaches. Journal of Molecular Liquids, 2021, 340, 117185.	2.3	10
4	Key role of histidine residues orientation in affinity binding of model pentapeptides with Ni2+ ions: A theoretical supported experimental study. Journal of Molecular Liquids, 2021, 341, 117414.	2.3	3
5	Effect of Tetraphenylborate on Physicochemical Properties of Bovine Serum Albumin. Molecules, 2021, 26, 6565.	1.7	7
6	Iminodiacetate complex of cobalt(II) â€“ Structure, physicochemical characteristics, biological properties and catalytic activity for 2-chloro-2-propen-1-ol oligomerization. Polyhedron, 2020, 175, 114168.	1.0	10
7	Acidic-basic properties of arginine-rich peptide fragments derived from the human Pin1 protein. Journal of Molecular Liquids, 2020, 312, 113379.	2.3	2
8	The oxydiacetate and iminodiacetate complexes of oxidovanadium(IV) as the new series of the catalysts for the oligomerization of beta-olefin derivatives. Polyhedron, 2020, 180, 114409.	1.0	3
9	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiolâ€“induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. Redox Biology, 2020, 32, 101522.	3.9	10
10	A Pentapeptide with Tyrosine Moiety as Fluorescent Chemosensor for Selective Nanomolar-Level Detection of Copper(II) Ions. International Journal of Molecular Sciences, 2020, 21, 743.	1.8	15
11	Interactions of AÎ²1-42 Peptide and Its Three Fragments (AÎ²8-12, AÎ²8-13, and AÎ²5-16) with Selected Nonsteroidal Drugs and Compounds of Natural Origin. Symmetry, 2020, 12, 1579.	1.1	0
12	Dihydroxy-Substituted Coumarins as Fluorescent Probes for Nanomolar-Level Detection of the 4-Amino-TEMPO Spin Label. International Journal of Molecular Sciences, 2019, 20, 3802.	1.8	11
13	The effect of vanadium(IV) complexes on development of Arabidopsis thaliana subjected to H2O2-induced stress. Functional Plant Biology, 2019, 46, 942.	1.1	11
14	A review of new approaches to analytical methods to determine the structure and morphology of polymers. TrAC - Trends in Analytical Chemistry, 2019, 118, 470-476.	5.8	17
15	Formation of 2-chloroallyl alcohol oligomers using a new crystalline dipicolinate complex of Cr(III) as a catalyst. Journal of Catalysis, 2019, 375, 287-293.	3.1	9
16	Probing the binding selected metal ions and biologically active substances to the antimicrobial peptide LL-37 using DSC, ITC measurements and calculations. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4523-4529.	2.0	11
17	MALDI-MS for polymer characterization â€“ Recent developments and future prospects. TrAC - Trends in Analytical Chemistry, 2019, 115, 121-128.	5.8	15
18	Antimicrobial, cytotoxic, and antioxidant activities and physicochemical characteristics of chromium(III) complexes with picolinate, dipicolinate, oxalate, 2,2â€²-bipyridine, and 4,4â€²-dimethoxy-2,2â€²-bipyridine as ligands in aqueous solutions. Journal of Molecular Liquids, 2019, 282, 441-447.	2.3	13

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19	Aquation reaction of iminodiacetate complex of oxidovanadium(IV) with 2,2â€™-bipyridine induced by Fe(III) ions: Kinetic studies. Progress in Reaction Kinetics and Mechanism, 2019, 44, 300-306.	1.1	0
20	Characterization of polymers based on differential scanning calorimetry based techniques. TrAC - Trends in Analytical Chemistry, 2019, 110, 51-56.	5.8	38
21	Copper(II) coordination properties of GxG peptides: Key role of side chains of central residues on coordination of formed systems; combined potentiometric and ITC studies. Journal of Chemical Thermodynamics, 2019, 128, 336-343.	1.0	4
22	New type of highly active chromium(III) catalysts containing both organic cations and anions designed for polymerization of beta-olefin derivatives. Scientific Reports, 2018, 8, 2315.	1.6	19
23	Antioxidant and Cytoprotective Activity of Oxydiacetate Complexes of Cobalt(II) and Nickel(II) with 1,10-Phenantroline and 2,2â€²-Bipyridine. Biological Trace Element Research, 2018, 185, 244-251.	1.9	11
24	Investigation of the Binding Properties of the Cosmetic Peptide Argireline and Its Derivatives Towards Copper(II) Ions. Journal of Solution Chemistry, 2018, 47, 80-91.	0.6	3
25	Crystal structure and isothermal titration calorimetry studies of new cobalt(II) complex with 2-methylnitrilotriacetate ion. Inorganica Chimica Acta, 2018, 482, 554-560.	1.2	0
26	Geometric isomerism effect on catalytic activities of bis(oxalato)diaquochromates(III) for 2-chloroallyl alcohol oligomerization. Journal of Chemical Sciences, 2018, 130, 1.	0.7	11
27	Kinetics and thermodynamic of reaction of oxydiacetate copper(II) complex with 2,2â€²-bipyridine and 1,10-phenanthroline in anionic and cationic surfactant solutions. Journal of Molecular Liquids, 2018, 264, 470-475.	2.3	2
28	The impact of environmental contamination on the generation of reactive oxygen and nitrogen species â€“ Consequences for plants and humans. Environment International, 2018, 119, 133-151.	4.8	36
29	Copper(II) complexation by fragment of central part of FBP28 protein from Mus musculus. Biophysical Chemistry, 2018, 241, 55-60.	1.5	13
30	The influence of the type of substituents and the solvent on the interactions between different coumarins and selected TEMPO analogues â€“ Fluorescence quenching studies. Chemical Physics, 2018, 513, 188-194.	0.9	14
31	Oligomerization of 2-chloroallyl alcohol by 2-pyridinecarboxylate complex of chromium(III) - new highly active and selective catalyst. Scientific Reports, 2018, 8, 8632.	1.6	12
32	Conformation-dependent affinity of Cu(II) ions peptide complexes derived from the human Pin1 protein. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1431-1443.	2.0	8
33	Structure and characterization of physicochemical and magnetic properties of new complex containing monobridged oxygen copper(II) dinuclear cation. Polyhedron, 2017, 127, 144-152.	1.0	5
34	Characterization and cytotoxic effect of aqua-(2,2â€²,2â€²â€²-nitrilotriacetato)-oxo-vanadium salts on human osteosarcoma cells. BioMetals, 2017, 30, 261-275.	1.8	10
35	Structures, physicochemical and cytoprotective properties of new oxidovanadium(IV) complexes -[VO(mIDA)(dmbipy)]Â·1.5H 2 O and [VO(IDA)(dmbipy)]Â·2H 2 O. Journal of Molecular Structure, 2017, 1143, 515-525.	1.8	1
36	Structural characterization and biological properties of a new dinuclear oxidovanadium(IV) N -(phosphonomethyl)iminodiacetate complex with the 4-amino-2-methylquinolinium cation. Polyhedron, 2017, 133, 75-81.	1.0	3

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37	Method for detection of hydrogen peroxide in HT22 cells. Scientific Reports, 2017, 7, 45673.	1.6	9
38	Structure, Physicochemical and Biological Properties of an Aqua (2,2â€²,2â€²â€²-Nitrilotriacetato)â€oxidovanadium(IV) Salt with 4â€Methylpyridinium Cation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 501-510.	0.6	3
39	Kinetics and thermodynamics of the reaction of iminodiacetate copper(II) complexes with 1,10-phenanthroline and 2,2â€²-bipyridine in aqueous, anionic, cationic and nonionic surfactants solutions. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 729-740.	0.8	3
40	Bonding interactions in oxydiacetate and thiodiacetate cobalt(II) and nickel(II) complexes. Structural Chemistry, 2017, 28, 1723-1730.	1.0	6
41	Stable cationic coordination polymers of the Cu(II)-vitamin B 6 type: Structural analysis, application abilities and physicochemical properties in the solid state and solutions. Dyes and Pigments, 2017, 136, 278-291.	2.0	4
42	Simultaneous determination of thermodynamic and kinetic parameters of aminopolycarbonate complexes of cobalt(II) and nickel(II) based on isothermal titration calorimetry data. Journal of Molecular Recognition, 2017, 30, e2589.	1.1	7
43	The development of 1,3-diphenylisobenzofuran as a highly selective probe for the detection and quantitative determination of hydrogen peroxide. Free Radical Research, 2017, 51, 38-46.	1.5	49
44	Probing the binding of Cu 2+ ions to a fragment of the AÎ² (1â€“42) polypeptide using fluorescence spectroscopy, isothermal titration calorimetry and molecular dynamics simulations. Biophysical Chemistry, 2016, 216, 44-50.	1.5	13
45	Influence of Primary Ligands (ODA, TDA) on Physicochemical and Biological Properties of Oxidovanadium (IV) Complexes with Bipy and Phen as Auxiliary Ligands. Biological Trace Element Research, 2016, 174, 251-258.	1.9	7
46	Fluorescent and Luminescent Probes for Monitoring Hydroxyl Radical under Biological Conditions. Critical Reviews in Analytical Chemistry, 2016, 46, 160-169.	1.8	19
47	Binding of Cu(II) ions to peptides studied by fluorescence spectroscopy and isothermal titration calorimetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 451-456.	2.0	21
48	Fluorescent Probes Used for Detection of Hydrogen Peroxide under Biological Conditions. Critical Reviews in Analytical Chemistry, 2016, 46, 171-200.	1.8	44
49	Investigations of ternary complexes of Co(II) and Ni(II) with thiodiacetate anion and 1,10-phenanthroline or 2,2â€™-bipyridine in aqueous solutions. Open Chemistry, 2015, 13, .	1.0	1
50	Crystal Structure, Antioxidant Properties and Characteristics in Aqueous Solutions of the Oxidovanadium(IV) Complex [VO(IDA)phen]Â·2H₂O. European Journal of Inorganic Chemistry, 2015, 2015, 3343-3349.	1.0	23
51	The kinetics of substitution reaction of oxydiacetate and thiodiacetate copper(II) complexes with 1,10-phenanthroline and 2,2â€™-bipyridine. Journal of Chemical Sciences, 2015, 127, 1845-1852.	0.7	2
52	Physicochemical properties of ternary oxovanadium(IV) complexes with oxydiacetate and 1,10-phenanthroline or 2,2â€²-bipyridine. Cytoprotective activity in hippocampal neuronal HT22 cells. BioMetals, 2015, 28, 307-320.	1.8	23
53	Thermodynamical Studies of an Example Peptide Containing Metaaminobenzoic Acid (MABA) that Promotes Bends in Proteins. Journal of Solution Chemistry, 2015, 44, 223-236.	0.6	0
54	Structural, physico-chemical and antioxidant characteristics of 2,2â€²-bipyridyl(iminodiacetato)oxidovanadium(IV) dihydrate. Polyhedron, 2015, 100, 74-81.	1.0	24

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55	Thermodynamics of sodium dodecyl sulphate (SDS) micellization in the presence of some biologically relevant pH buffers. Journal of Thermal Analysis and Calorimetry, 2015, 121, 257-261.	2.0	22
56	Investigations of copper(II) complexation by fragments of the FBP28 protein using isothermal titration (ITC) and differential scanning calorimetry (DSC). Journal of Thermal Analysis and Calorimetry, 2015, 121, 263-268.	2.0	3
57	Physicochemical and Biological Properties of Oxovanadium(IV), Cobalt(II) and Nickel(II) Complexes with Oxydiacetate Anions. Biological Trace Element Research, 2015, 164, 139-149.	1.9	19
58	Spectrophotometric, potentiometric, and conductometric studies of binary complex formation between copper(II) and three forms of vitamin B₆ in aqueous solutions. Journal of Coordination Chemistry, 2015, 68, 3761-3775.	0.8	6
59	Fluorescence quenching of 7-amino-4-methylcoumarin by different TEMPO derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1875-1880.	2.0	23
60	Cis-[Cr(C2O4)(pm)(OH2)2]+ Coordination Ion as a Specific Sensing Ion for H2O2 Detection in HT22 Cells. Molecules, 2014, 19, 8533-8543.	1.7	15
61	Kinetics of aquation of [Co(ODA)(H2O)3] induced by Fe(III). Open Chemistry, 2014, 13, .	1.0	0
62	Coordination mode and reactivity of nickel(II) with vitamin B6. Journal of Coordination Chemistry, 2014, 67, 2885-2897.	0.8	7
63	Thermal properties of [Co(en)2Cl2]Cl in solid state. Cisâ€“trans isomerization of the [Co(en)2Cl2]+ complex ion in methanol. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 321-331.	0.8	9
64	Transâ€“cis isomerization of [(C6H5)3P]2PtCl2 complex in dimethylformamide solutions. Journal of Molecular Structure, 2014, 1075, 620-624.	1.8	1
65	A Study of the Influence of Charged Residues on Î²-Hairpin Formation by Nuclear Magnetic Resonance and Molecular Dynamics. Protein Journal, 2014, 33, 525-535.	0.7	10
66	Analysis of Fluorescence Quenching of Coumarin Derivatives by 4-Hydroxy-TEMPO in Aqueous Solution. Journal of Fluorescence, 2014, 24, 713-718.	1.3	35
67	Investigations of ternary complexes of Co(II) and Ni(II) with oxydiacetate anion and 1,10-phenanthroline or 2,2â€²-bipyridine in solutions. Open Chemistry, 2014, 12, 107-114.	1.0	8
68	Preliminary studies on trigonelline as potential anti-Alzheimer disease agent: Determination by hydrophilic interaction liquid chromatography and modeling of interactions with beta-amyloid. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 968, 101-104.	1.2	33
69	Studies of conformational preferences of derivatives fragments of protein G (1IGD) using temperature dependent potentiometric titration methodology. Journal of Chemical Thermodynamics, 2014, 70, 88-94.	1.0	2
70	Fluorescence quenching of fluoroquinolone antibiotics by 4-hydroxy-TEMPO in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 887-891.	2.0	18
71	Platinum(II) and Palladium(II) Complex Compounds as Anti-cancer Drugs. Methods of Cytotoxicity Determination. Current Pharmaceutical Analysis, 2014, 10, 2-9.	0.3	26
72	Analytical Methods for Determination of Reactive Oxygen Species. Current Pharmaceutical Analysis, 2014, 10, 293-304.	0.3	22

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73	Kinetics of the reaction between 1,3-diphenylisobenzofuran and nitrogen dioxide studied by steady-state fluorescence. Research on Chemical Intermediates, 2013, 39, 3023-3031.	1.3	9
74	Potassium trans-[bis(oxalato)diaquacobaltate(II)] tetrahydrate: synthesis, structure, potentiometric and thermal studies. Open Chemistry, 2013, 11, 8-15.	1.0	6
75	Quenching of Fluorescence of Polycyclic Aromatic Hydrocarbons by 4-OH-TEMPO. Analytical Letters, 2013, 46, 349-355.	1.0	16
76	Electrochemical and Biological Studies on Reactivity of [VO(oda)(H2O)2], [Co(oda)(H2O)2]Â·H2O, and [Ni(oda)Â(H2O)3]Â·1.5H2O Towards Superoxide Free Radicals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1795-1799.	0.6	20
77	Analytical Methods for Determination of CO and CO2 and their Applicability in Biological Studies. Current Pharmaceutical Analysis, 2013, 9, 226-235.	0.3	2
78	Influence of the Length of the Alanine Spacer on the Acidicâ€“Basic Properties of the Acâ€“Lysâ€“(Ala) n â€“Lysâ€“NH2 Peptides (nÂ=Â0, 1, 2, â€¦, 5). Journal of Solution Chemistry, 2012, 41, 1738-1746.	0.6	5
79	Thermal properties of potassium bis(oxalato)diaquochromates(III) in solid state. Transâ€“cis isomerization of the [Cr(C2O4)2(OH2)2]â^' complex ion in aqueous solutions. Structural Chemistry, 2012, 23, 333-340.	1.0	8
80	Thermodynamics of the Protonation Equilibria of Two Fragments of N-Terminal Î²-Hairpin of FPB28 WW Domain. Journal of Physical Chemistry B, 2012, 116, 653-659.	1.2	4
81	Analytical Methods for Determination of Â·NO and Â·NO2 and their Applicability in Biological Studies. Current Pharmaceutical Analysis, 2012, 8, 115-134.	0.3	3
82	Likeâ€charged residues at the ends of oligoalanine sequences might induce a chain reversal. Biopolymers, 2012, 97, 240-249.	1.2	8
83	Kinetic studies of aquation for oxalate in [Cr(C2O4)2(Lâ€“L)]â^' and [Cr(C2O4)(Lâ€“L)(H2O)2]+ induced by Fe3+. Journal of Coordination Chemistry, 2011, 64, 2834-2847.	0.8	2
84	Stopped-Flow Spectrophotometric Study of the Kinetics and Mechanism of CO2 Uptake by cis-[Cr(C2O4)(BaraNH2)(OH2)2]+ Cation and the Acid-Catalyzed Decomposition of cis-[Cr(C2O4)(BaraNH2)OCO2]â^' Anion in Aqueous Solution. Molecules, 2011, 16, 7746-7761.	1.7	3
85	Physicochemical characteristics of 2-, 3- and 4-methylpyridinium tetrachloroferrates(III). Open Chemistry, 2011, 9, 1096-1101.	1.0	1
86	Kinetic studies of acid-catalyzed hydrolysis of the cis-[Cr(oxalate)(pyridoxamine)CO3]â^'coordination anion. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 11.	0.8	0
87	A Novel Biosensor for Evaluation of Apoptotic or Necrotic Effects of Nitrogen Dioxide during Acute Pancreatitis in Rat. Sensors, 2010, 10, 280-291.	2.1	15
88	Conformational studies of alanineâ€rich peptide using CD and FTIR spectroscopy. Journal of Peptide Science, 2008, 14, 283-289.	0.8	59
89	Kinetics and Mechanism of Formation and Acidâ€“Catalyzed Decomposition of the [Co(NH₃)₄CO₃]⁺ Complex Cation in Aqueous Solution. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 137-141.	0.6	0
90	Acidicâ€basic properties of three alanineâ€based peptides containing acidic and basic side chains: Comparison between theory and experiment. Biopolymers, 2008, 90, 724-732.	1.2	18

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91	Influence of charge and size of terminal aminoâ€acid residues on local conformational states and shape of alanineâ€based peptides. Biopolymers, 2008, 90, 772-782.	1.2	18
92	Determination of protolytic equilibria for methyl 3-azido-6-iodo-2,3,6-trideoxy-Î±-d-arabino-hexopyranoside by ab initio and spectrophotometric methods. Journal of Molecular Structure, 2008, 892, 140-145.	1.8	0
93	Nitric Dioxide as Biologically Important Radical and its Role in Molecular Mechanism of Pancreatic Inflammation. Current Pharmaceutical Analysis, 2008, 4, 183-196.	0.3	11
94	Coordinate cis-[Cr(C2O4)(pm)(OH2)2]+ Cation as Molecular Biosensor of Pyruvateâ€™s Protective Activity Against Hydrogen Peroxide Mediated Cytotoxity. Sensors, 2008, 8, 4487-4504.	2.1	11
95	Further Evidence for the Absence of Polyproline II Stretch in the XAO Peptide. Biophysical Journal, 2007, 92, 2904-2917.	0.2	51
96	Potentials of Mean Force of Two Hydrophobic Amino-Acid Side Chain Models Dependent on Orientation. AIP Conference Proceedings, 2007, , .	0.3	1
97	Crystal structures of ethyl 3-azido-2,3-dideoxy-d-arabino-hexopyranoside anomers. Carbohydrate Research, 2007, 342, 1450-1455.	1.1	3
98	Basicity comparison for di-substituted 4-nitropyridine derivatives in polar non-aqueous media. Journal of Chemical Thermodynamics, 2007, 39, 1667-1674.	1.0	4
99	Bis(8-methylquinolinium) tetrabromidoferrate(III) bromide. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1727-m1728.	0.2	3
100	Stoppedâ€flow Spectrophotometric Study on the Reaction between Carbon Dioxide and [Co(NH 3) 4 (H 2) Tj ETQq0 0 0 rgBT /Overlock 1493-1499.	0.6	3
101	A potentiometric study of (acid+base) equilibria in substituted 4-nitropyridine N-oxide systems in methanol and dimethyl sulfoxide. Journal of Chemical Thermodynamics, 2007, 39, 309-315.	1.0	4
102	Experimental and theoretical studies of solvent effects on the hydrogen bonds in homoconjugated cations of substituted 4-halo (Cl,Br) pyridine N-oxide derivatives. Journal of Chemical Thermodynamics, 2007, 39, 1272-1278.	1.0	4
103	Assessment of Two Theoretical Methods to Estimate Potentiometric Titration Curves of Peptides:Â Comparison with Experiment. Journal of Physical Chemistry B, 2006, 110, 4451-4458.	1.2	16
104	Reactions of NO2 with chromium(III) complexes with histamine and pyridoxamine ligands studied by the stopped-flow technique. Analytical Biochemistry, 2006, 350, 256-262.	1.1	9
105	Potentiometric and ab initio studies of acidâ€“base interactions of substituted 4-halo(Cl,Br)pyridine N-oxide systems. Journal of Chemical Thermodynamics, 2006, 38, 1584-1591.	1.0	8
106	A Stopped-flow Study on the Kinetics and Mechanism of CO2 Uptake by the cis-[Cr(1,10-phenanthroline)2(OH2)2]3+ Complex Ion. Transition Metal Chemistry, 2006, 31, 111-117.	0.7	3
107	Acid-catalyzed Hydrolysis of the cis-[Cr(1,10-phenanthroline)2(O2CO)]+ Ion Studied by the u.v.â€“vis Stopped Flow Method. Transition Metal Chemistry, 2006, 31, 575-579.	0.7	2
108	Stopped-flow study of H+ induced CO2 release from a non-peptide analogue of decarboxylase-substrate mimicking cis-[Cr(C2O4)(AaraNH2)(O2CO)]â^. Transition Metal Chemistry, 2006, 31, 1045-1051.	0.7	3

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109	Potentiometric studies of acidâ€“base interactions in substituted 4-nitropyridine N-oxide systems. Journal of Chemical Thermodynamics, 2006, 38, 554-558.	1.0	4
110	Investigations of (acid+base) equilibria in systems modelling interactions occurring in biomolecules. Journal of Chemical Thermodynamics, 2006, 38, 599-605.	1.0	15
111	A potentiometric study of molecular heteroconjugation equilibria in (n-butylamine+acetic acid) systems in binary (acetonitrile +1,4-dioxane) solvent mixtures. Journal of Chemical Thermodynamics, 2006, 38, 606-610.	1.0	7
112	Polyproline II conformation is one of many local conformational states and is not an overall conformation of unfolded peptides and proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1744-1749.	3.3	156
113	Determination of the protonation and deprotonation centres for isomers of methyl 3-azido-2,3-dideoxyhexopyranosides. Computational and Theoretical Chemistry, 2005, 714, 1-6.	1.5	9
114	Ab initio study of the energetics of protonation and deprotonation of the methyl 3-amino-2,3-dideoxyhexopyranosides isomers. Computational and Theoretical Chemistry, 2005, 718, 87-92.	1.5	7
115	Theoretical studies on acid-base interactions in the substituted 4-nitropyridines and their N-oxides systems. Computational and Theoretical Chemistry, 2005, 731, 193-199.	1.5	3
116	Ab initio studies of acidâ€“base reactions in the substituted 4-nitropyridine N-oxide systems. Computational and Theoretical Chemistry, 2005, 756, 1-9.	1.5	4
117	Crystal structure of methyl 3-amino-2,3-dideoxy-Î²-d-arabino-hexopyranoside. Stabilization of the crystal lattice by a double network of Nâ€“Hâ‹¯O, Oâ€“Hâ‹¯N and Oâ€“Hâ‹¯O interactions. Carbohydrate Research, 2005, 340, 2201-2205.	1.1	8
118	Theoretical calculations of homoconjugation equilibrium constants in systems modeling acid-base interactions in side chains of biomolecules using the potential of mean force. Journal of Computational Chemistry, 2005, 26, 235-242.	1.5	8
119	Interplay of charge distribution and conformation in peptides: Comparison of theory and experiment. Biopolymers, 2005, 80, 214-224.	1.2	8
120	Potentiometric investigations of molecular heteroconjugation equilibria of substituted phenol+n-butylamine systems in dimethyl sulfoxide. Journal of Chemical Thermodynamics, 2005, 37, 778-782.	1.0	2
121	Potentiometric investigations of (acid+base) equilibria in (n-butylamine+acetic acid) systems in binary (acetone+cyclohexane) solvent mixtures. Journal of Chemical Thermodynamics, 2005, 37, 783-790.	1.0	3
122	A stopped-flow study on the kinetics and mechanism of CO2 uptake by chromium(III) complexes with histamine and pyridoxamine. Transition Metal Chemistry, 2005, 30, 209-216.	0.7	13
123	Pivotal participation of nitrogen dioxide in l-arginine induced acute necrotizing pancreatitis: protective role of superoxide scavenger 4-OH-TEMPO. Biochemical and Biophysical Research Communications, 2005, 326, 313-320.	1.0	37
124	X-ray and conformational analysis of methyl 3-amino-2,3-dideoxy-Î±-d-arabino-hexopyranoside. Carbohydrate Research, 2004, 339, 1195-1199.	1.1	13
125	Kinetics and mechanisms of the CO2 and SO2 uptake by coordinate ion, cis-[Cr(C2O4)(Lâ€“L)(OH2)2]+ {(Lâ€“L)=methyl 3-amino-2,3-dideoxy-Î±-d-arabino-hexopyranoside} as studied by stopped-flow spectrophotometry. Inorganica Chimica Acta, 2004, 357, 4467-4475.	1.2	14
126	Ab initio study of the energetics of molecular heteroconjugation reactions in systems modeling side chains of biomolecules. Computational and Theoretical Chemistry, 2004, 672, 183-190.	1.5	2

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127	Ab initio study of the energetics of protonation, deprotonation and homocomplexed cations and anions formation in systems modeling side chains of biomolecules. Computational and Theoretical Chemistry, 2004, 674, 61-67.	1.5	4
128	Ab Initio Studies on Acidâ^'Base Equilibria of Substituted Phenols. Journal of Physical Chemistry A, 2004, 108, 10354-10358.	1.1	12
129	Theoretical Calculations of Heteroconjugation Equilibrium Constants in Systems Modeling Acidâ^'Base Interactions in Side Chains of Biomolecules Using the Potential of Mean Force. Journal of Physical Chemistry B, 2004, 108, 12222-12230.	1.2	15
130	A potentiometric study of acidâ€“base properties of the (phenol+phenolate) systems in acetonitrile and, (acetonitrile+cyclohexane) solvent system. Journal of Chemical Thermodynamics, 2003, 35, 77-89.	1.0	20
131	Potentiometric investigation of acid dissociation and anionic homoconjugation equilibria of substituted phenols in dimethyl sulfoxide. Journal of Chemical Thermodynamics, 2003, 35, 1645-1655.	1.0	11
132	A study of the energetics of asymmetric OHN+/NHO+ hydrogen bridge formation using ab initio methods. Computational and Theoretical Chemistry, 2003, 621, 149-155.	1.5	0
133	Experimental and Theoretical Studies of Acidâ^'Base Equilibria of Substituted 4-Nitropyridine N-Oxides. Journal of Physical Chemistry A, 2003, 107, 6293-6300.	1.1	21
134	An ab initio study of the energetics of protonation of some N-Î²-d-glucopyranosylamine derivatives. Computational and Theoretical Chemistry, 2002, 579, 247-256.	1.5	1
135	Potentiometric studies of cationic heteroconjugation equilibria in systems involving free and protonated pyridine derivatives in dimethyl sulfoxide. Journal of Chemical Thermodynamics, 2002, 34, 391-400.	1.0	12
136	Ab initio study of the energetics of asymmetric hydrogen bridge formation in substituted pyridines. Computational and Theoretical Chemistry, 2002, 587, 147-157.	1.5	1
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138	A study of the tendency of organic bases towards cationic heteroconjugation in polar non-aqueous solvents. Perkin Transactions II RSC, 2001, , 1844-1849.	1.1	7
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