GÃ¡bor Peintler

List of Publications by Year
in descending order

43 papers	797 citations	567281 15 h-index	526287 27 g-index
43 all docs	43 docs citations	43 times ranked	670 citing authors

#	Article	IF	Citations
1	Formation of mono- and binuclear complexes of Nd3+ with d-gluconate ions in hyperalkaline solutions â€“ Composition, equilibria and structure. Journal of Molecular Liquids, 2022, 346, 117047.	4.9	2
2	Coordination motifs of binary neodymium(III) D-gluconate, D-galactonate and L-gulonate complexes and the transition from inner- to outer-sphere coordination in neutral to strongly alkaline medium. Journal of Molecular Structure, 2022, 1261, 132894.	3.6	2
3	Equilibria and Dynamics of Sodium Citrate Aqueous Solutions: The Hydration of Citrate and Formation of the Na3Cit0 Ion Aggregate. Journal of Physical Chemistry B, 2020, 124, 9604-9614.	2.6	3
4	Stability and structural aspects of complexes forming between aluminum(III) and D-heptagluconate in acidic to strongly alkaline media: An unexpected diversity. Journal of Molecular Liquids, 2020, 314, 113645.	4.9	7
5	Calcium complexing behaviour of lactate in neutral to highly alkaline medium. Journal of Molecular Structure, 2019, 1180, 491-498.	3.6	4
6	Magnesium(II) <scp>d</scp>-Gluconate Complexes Relevant to Radioactive Waste Disposals: Metal-Ion-Induced Ligand Deprotonation or Ligand-Promoted Metal-Ion Hydrolysis?. Inorganic Chemistry, 2019, 58, 6832-6844.	4.0	8
7	Temperature dependence of the acidâ€“base and Ca2+-complexation equilibria of d-gluconate in hyperalkaline aqueous solutions. Polyhedron, 2019, 158, 117-124.	2.2	7
8	Configuration-dependent complex formation between Ca(II) and sugar carboxylate ligands in alkaline medium: Comparison of L-gulonate with D-gluconate and D-heptaguconate. Carbohydrate Research, 2018, 460, 34-40.	2.3	6
9	The formation of Ca(II) enolato complexes with Î±- and Î²-ketoglutarate in strongly alkaline solutions. Polyhedron, 2018, 156, 89-97.	2.2	1
10	The acidity and self-catalyzed lactonization of l-gulonic acid: Thermodynamic, kinetic and computational study. Carbohydrate Research, 2018, 467, 14-22.	2.3	3
11	Exploring the boundaries of direct detection and characterization of labile isomers â€“ a case study of copper(ii)â€“dipeptide systems. Dalton Transactions, 2017, 46, 8157-8166.	3.3	0
12	Formation of mono- and binuclear neodymium(<scp>iii</scp>)â€“gluconate complexes in aqueous solutions in the pH range of 2â€“8. Dalton Transactions, 2017, 46, 6049-6058.	3.3	14
13	Clarifying the Equilibrium Speciation of Periodate Ions in Aqueous Medium. Inorganic Chemistry, 2017, 56, 11417-11425.	4.0	33
14	Some aspects of the aqueous solution chemistry of the Na+/Ca2+/OHâˆ’/Cit3âˆ’ system: The structure of a new calcium citrate complex forming under hyperalkaline conditions. Journal of Molecular Structure, 2016, 1118, 110-116.	3.6	8
15	Calcium <scp>l</scp>-tartrate complex formation in neutral and in hyperalkaline aqueous solutions. Dalton Transactions, 2016, 45, 17296-17303.	3.3	6
16	Calcium complexation and acidâ€“base properties of<scp>l</scp>-gulonate, a diastereomer of<scp>d</scp>-gluconate. Dalton Transactions, 2016, 45, 18281-18291.	3.3	5
17	Mn(II)â€“amino acid complexes intercalated in CaAl-layered double hydroxide â€“ Well-characterized, highly efficient, recyclable oxidation catalysts. Journal of Catalysis, 2016, 335, 125-134.	6.2	42
18	Speciation and structure of tin(<scp>ii</scp>) in hyper-alkaline aqueous solution. Dalton Transactions, 2014, 43, 17971-17979.	3.3	15

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19	Multinuclear Complex Formation between Ca(II) and Gluconate Ions in Hyperalkaline Solutions. Environmental Science & Technology, 2014, 48, 6604-6611.	10.0	32
20	Using low-frequency IR spectra for the unambiguous identification of metal ionâ€“ligand coordination sites in purpose-built complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 257-259.	3.9	10
21	Dynamic origin of the surface conduction response in adsorption-induced electrical processes. Chemical Physics Letters, 2014, 607, 1-4.	2.6	4
22	Complexation of Al(iii) with gluconate in alkaline to hyperalkaline solutions: formation, stability and structure. Dalton Transactions, 2013, 42, 13470.	3.3	12
23	Multinuclear complex formation in aqueous solutions of Ca(ii) and heptagluconate ions. Dalton Transactions, 2013, 42, 8460.	3.3	15
24	The solubility of Ca(OH)2 in extremely concentrated NaOH solutions at 25Â°C. Open Chemistry, 2012, 10, 332-337.	1.9	4
25	An improved chemical model for the quantitative description of the front propagation in the tetrathionateâ€“chlorite reaction. Physical Chemistry Chemical Physics, 2010, 12, 2356.	2.8	8
26	Peculiar kinetics of the complex formation in the iron(III)â€“sulfate system. International Journal of Chemical Kinetics, 2008, 40, 114-124.	1.6	3
27	Effect of Chloride Ion on the Kinetics and Mechanism of the Reaction between Chlorite Ion and Hypochlorous Acid. Inorganic Chemistry, 2008, 47, 7914-7920.	4.0	33
28	Inherent Pitfalls in the Simplified Evaluation of Kinetic Curves. Journal of Physical Chemistry A, 2007, 111, 8104-8109.	2.5	16
29	Chemical speciation in concentrated alkaline aluminate solutions in sodium, potassium and caesium media. Interpretation of the unusual variations of the observed hydroxide activity. Dalton Transactions, 2006, , 1858.	3.3	25
30	Matrix rank analysis of spectral studies on the electropolymerisation and discharge process of conducting polypyrrole/dodecyl sulfate films. Electrochimica Acta, 2005, 50, 1529-1535.	5.2	11
31	Kinetic studies of dicopper complexes in catechol oxidase model reaction by using an approximationless evaluating method. Reaction Kinetics and Catalysis Letters, 2004, 81, 143-151.	0.6	11
32	Autocatalysis and Self-Inhibition:Â Coupled Kinetic Phenomena in the Chloriteâ^'Tetrathionate Reaction. Journal of the American Chemical Society, 2004, 126, 6246-6247.	13.7	38
33	Great Structural Variety of Complexes in Copper(II)â^'Oligoglycine Systems:Â Microspeciation and Coordination Modes as Studied by the Two-Dimensional Simulation of Electron Paramagnetic Resonance Spectra. Journal of the American Chemical Society, 2003, 125, 5227-5235.	13.7	44
34	Kinetics and Mechanism of the Decomposition of Chlorous Acid. Journal of Physical Chemistry A, 2003, 107, 6966-6973.	2.5	56
35	Extracting Experimental Information from Large Matrices. 2. Model-Free Resolution of Absorbance Matrices:â€‰ M3. Journal of Physical Chemistry A, 2002, 106, 3899-3904.	2.5	12
36	Improved calibration and use of stopped-flow instruments. Physical Chemistry Chemical Physics, 2000, 2, 2575-2586.	2.8	20

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37	MRA combined spectroelectrochemical studies on the redox stability of PPy/DS films. Journal of Electroanalytical Chemistry, 1999, 462, 1-11.	3.8	17
38	Extracting Experimental Information from Large Matrixes. 1. A New Algorithm for the Application of Matrix Rank Analysis. Journal of Physical Chemistry A, 1997, 101, 8013-8020.	2.5	72
39	A Family of Magnetic Field Dependent Chemical Waves. Inorganic Chemistry, 1994, 33, 2077-2078.	4.0	11
40	Effect of electrophilic and nucleophilic substituents on the protonation microequilibria of tyrosine derivatives. International Journal of Peptide and Protein Research, 1992, 39, 207-210.	0.1	2
41	Effect of magnetic fields on a propagating reaction front. Nature, 1990, 347, 749-751.	27.8	30
42	Systematic design of chemical oscillators. 60. Kinetics and mechanism of the reaction between chlorite ion and hypochlorous acid. The Journal of Physical Chemistry, 1990, 94, 2954-2958.	2.9	119
43	Electron spin resonance study of copper(II) complexes of X-glycine and glycyl-X type dipeptides, and related tripeptides. Variation of co-ordination modes with ligand excess and pH in fluid and frozen aqueous solutions. Journal of the Chemical Society Dalton Transactions, 1989, , 1925-1932.	1.1	26