Ottavia GiuffrÃ¨

List of Publications by Year
in descending order

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79 papers	1,572 citations	236925 25 h-index	395702 33 g-index
79 all docs	79 docs citations	79 times ranked	816 citing authors

#	Article	IF	Citations
1	Hydrolysis of Al3+ in Aqueous Solutions: Experiments and Ab Initio Simulations. Liquids, 2022, 2, 26-38.	2.5	6
2	Speciation Study on O-Phosphorylethanolamine and O-Phosphorylcholine: Acidâ€“Base Behavior and Mg2+ Interaction. Frontiers in Chemistry, 2022, 10, 864648.	3.6	6
3	Binding of Arsenic by Common Functional Groups: An Experimental and Quantum-Mechanical Study. Applied Sciences (Switzerland), 2022, 12, 3210.	2.5	3
4	Metal-Based Compounds in Antiviral Therapy. Biomolecules, 2022, 12, 933.	4.0	17
5	Ca2+ Complexation With Relevant Bioligands in Aqueous Solution: A Speciation Study With Implications for Biological Fluids. Frontiers in Chemistry, 2021, 9, 640219.	3.6	10
6	Editorial: Advances in Analytical Techniques and Methodology for Chemical Speciation Study. Frontiers in Chemistry, 2021, 9, 692144.	3.6	1
7	Oxazolidinone Antibiotics: Chemical, Biological and Analytical Aspects. Molecules, 2021, 26, 4280.	3.8	58
8	Understanding the behaviour of carnosine in aqueous solution: an experimental and quantum-based computational investigation on acidâ€“base properties and complexation mechanisms with Ca²⁺and Mg²⁺. New Journal of Chemistry, 2021, 45, 20352-20364.	2.8	7
9	Ab initio molecular dynamics simulations and experimental speciation study of levofloxacin under different pH conditions. Physical Chemistry Chemical Physics, 2021, 23, 24403-24412.	2.8	2
10	Interaction of Ampicillin and Amoxicillin with Mn2+: A Speciation Study in Aqueous Solution. Molecules, 2020, 25, 3110.	3.8	13
11	Binding ability of arsenate towards Cu2+ and Zn2+: thermodynamic behavior and simulation under natural water conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 1731-1742.	3.5	7
12	Complexation of As(III) by phosphonate ligands in aqueous fluids: Thermodynamic behavior, chemical binding forms and sequestering abilities. Journal of Environmental Sciences, 2020, 94, 100-110.	6.1	22
13	Removal of As(III) from Biological Fluids: Mono- versus Dithiolic Ligands. Chemical Research in Toxicology, 2020, 33, 967-974.	3.3	14
14	Arsenicâ€“nucleotides interactions: an experimental and computational investigation. Dalton Transactions, 2020, 49, 6302-6311.	3.3	10
15	Phosphonic Derivatives of Nitrilotriacetic Acid as Sequestering Agents for Ca2+ in Aqueous Solution: A Speciation Study for Application in Natural Waters. ACS Earth and Space Chemistry, 2019, 3, 1942-1954.	2.7	10
16	Interaction between As(III) and Simple Thioacids in Water: An Experimental and ab Initio Molecular Dynamics Investigation. Journal of Physical Chemistry B, 2019, 123, 6090-6098.	2.6	10
17	Interactions of Inosine 5â€²-Monophosphate with Ca2+ and Mg2+: A Thermodynamic and Spectroscopic Study in Aqueous Solution. Journal of Chemical & Engineering Data, 2019, 64, 2859-2866.	1.9	4
18	Thermodynamic Study on the Interaction of Ampicillin and Amoxicillin with Ca²⁺ in Aqueous Solution at Different Ionic Strengths and Temperatures. Journal of Chemical & Engineering Data, 2019, 64, 800-809.	1.9	12

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19	Thermodynamic parameters for the interaction between etidronic acid and inorganic and organic mercury(II). Journal of Chemical Thermodynamics, 2018, 121, 65-71.	2.0	10
20	Sequestration of HEDPA , NTA and phosphonic NTA derivatives towards Al 3+ in aqueous solution. Journal of Molecular Liquids, 2018, 261, 96-106.	4.9	13
21	Study of Al 3+ interaction with AMP , ADP and ATP in aqueous solution. Biophysical Chemistry, 2018, 234, 42-50.	2.8	25
22	Thermodynamic parameters for the protonation and the interaction of arsenate with Mg2+, Ca2+ and Sr2+: Application to natural waters. Chemosphere, 2018, 190, 72-79.	8.2	21
23	Modeling solubility and acid-base properties of some polar side chain amino acids in NaCl and (CH 3) 4 NCl aqueous solutions at different ionic strengths and temperatures. Fluid Phase Equilibria, 2018, 459, 51-64.	2.5	21
24	Effect of the ionic strength and temperature on the arsenic(V) -Fe3+ and -Al3+ interactions in aqueous solution. Fluid Phase Equilibria, 2018, 458, 9-15.	2.5	10
25	Stability of hydrolytic arsenic species in aqueous solutions: As³⁺vs. As⁵⁺. Physical Chemistry Chemical Physics, 2018, 20, 23272-23280.	2.8	30
26	Potentiometric, UV and 1 H NMR study on the interaction of penicillin derivatives with Zn(II) in aqueous solution. Biophysical Chemistry, 2017, 223, 1-10.	2.8	12
27	Thermodynamic and spectroscopic study on Al 3+ -polycarboxylate interaction in aqueous solution. Journal of Molecular Liquids, 2017, 232, 45-54.	4.9	17
28	Removal of di- and tri-alkyltin(IV) compounds by polyphosphonate ligand: A speciation perspective. Journal of Molecular Liquids, 2017, 240, 128-137.	4.9	10
29	Potentiometric, UV and 1 H NMR study on the interaction of Cu 2+ with ampicillin and amoxicillin in aqueous solution. Biophysical Chemistry, 2017, 224, 59-66.	2.8	11
30	Thermodynamic and spectroscopic study of Al 3+ interaction with glycine, l -cysteine and tranexamic acid in aqueous solution. Biophysical Chemistry, 2017, 230, 10-19.	2.8	7
31	Sequestration of Aluminium(III) by different natural and synthetic organic and inorganic ligands in aqueous solution. Chemosphere, 2017, 186, 535-545.	8.2	24
32	Sequestering Ability of Oligophosphate Ligands toward Al³⁺ in Aqueous Solution. Journal of Chemical & Engineering Data, 2017, 62, 3981-3990.	1.9	32
33	Thermodynamics of Al3+-thiocarboxylate interaction in aqueous solution. Journal of Molecular Liquids, 2016, 222, 614-621.	4.9	26
34	Modeling solubility and acidâ€“base properties of some amino acids in aqueous NaCl and (CH3)4NCl aqueous solutions at different ionic strengths and temperatures. SpringerPlus, 2016, 5, 928.	1.2	15
35	On the interaction of N -acetylcysteine with Pb 2+ , Zn 2+ , Cd 2+ and Hg 2+. Journal of Molecular Liquids, 2016, 223, 360-367.	4.9	25
36	Complexation of Hg2+, CH3Hg+, Sn2+ and (CH3)2Sn2+ with phosphonic NTA derivatives. New Journal of Chemistry, 2016, 40, 1443-1453.	2.8	27

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37	Solubility, protonation and activity coefficients of some aminobenzoic acids in NaClaq and (CH3)4NClaq, at different salt concentrations, at T= 298.15 K. Journal of Molecular Liquids, 2015, 212, 825-832.	4.9	16
38	Formation, stability and empirical relationships for the binding of Sn2+ by O-, N- and S-donor ligands. Journal of Molecular Liquids, 2014, 200, 329-339.	4.9	13
39	Acidâ€“base and UV behavior of 3-(3,4-dihydroxyphenyl)-propenoic acid (caffeic acid) and complexing ability towards different divalent metal cations in aqueous solution. Journal of Molecular Liquids, 2014, 195, 9-16.	4.9	29
40	Thermodynamic data for Pb²⁺and Zn²⁺sequestration by biologically important S-donor ligands, at different temperatures and ionic strengths. New Journal of Chemistry, 2014, 38, 3973-3983.	2.8	39
41	Binding ability of glutathione towards alkyltin(IV) compounds in aqueous solution. Journal of Inorganic Biochemistry, 2013, 129, 84-93.	3.5	33
42	Sequestering ability of some chelating agents towards methylmercury(II). Analytical and Bioanalytical Chemistry, 2013, 405, 881-893.	3.7	31
43	Thermodynamics of HEDPA protonation in different media and complex formation with Mg2+ and Ca2+. Journal of Chemical Thermodynamics, 2013, 66, 151-160.	2.0	29
44	Aqueous solution chemistry of alkyltin(IV) compounds for speciation studies in biological fluids and natural waters. Coordination Chemistry Reviews, 2012, 256, 222-239.	18.8	79
45	Methylmercury(ii)-sulfur containing ligand interactions: a potentiometric, calorimetric and 1H-NMR study in aqueous solution. New Journal of Chemistry, 2011, 35, 800.	2.8	26
46	Potentiometric, Calorimetric, and¹H NMR Investigation on Hg²⁺-Mercaptocarboxylate Interaction in Aqueous Solution. Journal of Chemical & Engineering Data, 2011, 56, 1995-2004.	1.9	25
47	Acidâ€“base and UV properties of some aminophenol ligands and their complexing ability towards Zn2+ in aqueous solution. Journal of Molecular Liquids, 2011, 159, 146-151.	4.9	29
48	Interaction of Inorganic Mercury(II) with Polyamines, Polycarboxylates, and Amino Acids. Journal of Chemical & Engineering Data, 2009, 54, 893-903.	1.9	37
49	Thermodynamic Protonation Parameters ofÂsomeÂSulfur-Containing Anions in NaClaq andÂ(CH3)4NClaq atÂt=25â€‰Â°C. Journal of Solution Chemistry, 2009, 38, 1225-1245.	1.2	26
50	Binding of benzene-1,2,3,4,5,6-hexacarboxylate by polyammonium cations. Polyhedron, 2009, 28, 2703-2709.	2.2	2
51	Potentiometric, 1H NMR and ESI-MS investigation on dimethyltin(iv) cationâ€“mercaptocarboxylate interaction in aqueous solution. New Journal of Chemistry, 2009, 33, 2286.	2.8	34
52	The Effect of Different Aqueous Ionic Media on the Acid-Base Properties of Some Open Chain Polyamines. Journal of Solution Chemistry, 2008, 37, 183-201.	1.2	35
53	Interaction of methyltin(IV) compounds with carboxylate ligands. Part 2: formation thermodynamic parameters, predictive relationships and sequestering ability. Applied Organometallic Chemistry, 2008, 22, 30-38.	3.5	12
54	Thermodynamic and spectroscopic study for the interaction of dimethyltin(IV) with Lâ€“cysteine in aqueous solution. Biophysical Chemistry, 2008, 133, 19-27.	2.8	27

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55	Interaction of methyltin(IV) compounds with carboxylate ligands. Part 1: formation and stability of methyltin(IV)-carboxylate complexes and their relevance in speciation studies of natural waters. Applied Organometallic Chemistry, 2006, 20, 89-98.	3.5	21
56	Thermodynamic and spectroscopic study of the binding of dimethyltin(IV) by citrate at 25 Â°C. Applied Organometallic Chemistry, 2006, 20, 425-435.	3.5	24
57	Protonation Constants of Ethylenediamine, Diethylenetriamine, and Spermine in NaCl(aq), NaI(aq), (CH3)4NCl(aq), and (C2H5)4NI(aq) at Different Ionic Strengths and t = 25 Â°C. Journal of Chemical & Engineering Data, 2005, 50, 1917-1923.	1.9	42
58	The Retention of Some Open-Chain Diamines on a Strong Cation-Exchange Resin in Ion Chromatography. Journal of Chromatographic Science, 2004, 42, 161-166.	1.4	3
59	Speciation of organotin compounds in NaCl aqueous solution: interaction of mono-, di- and tri-organotin(IV) cations with nucleotide 5â€² monophosphates. Applied Organometallic Chemistry, 2004, 18, 653-661.	3.5	19
60	Ionic Strength Dependence of Protonation Constants ofN-Alkyl Substituted Open Chain Diamines in NaClaq. Journal of Chemical & Engineering Data, 2004, 49, 109-115.	1.9	29
61	Thermodynamic Parameters for the Protonation of Poly(allylamine) in Concentrated LiCl(aq) and NaCl(aq). Journal of Chemical & Engineering Data, 2004, 49, 658-663.	1.9	24
62	Thermodynamics of Proton Association of Polyacrylates and Polymethacrylates in NaCl(aq). Journal of Solution Chemistry, 2003, 32, 967-976.	1.2	8
63	Speciation of phytate ion in aqueous solution. Non covalent interactions with biogenic polyamines. Chemical Speciation and Bioavailability, 2003, 15, 29-36.	2.0	32
64	The Dependence on Ionic Strength of Enthalpies of Protonation for Polyamines in NaCl(aq). Journal of Chemical & Engineering Data, 2002, 47, 1205-1212.	1.9	12
65	Interaction of L-tartaric acid with alkaline metals and open chain polyammonium cations in aqueous solution. Dalton Transactions RSC, 2002, , 435-440.	2.3	7
66	Interaction of l-malic acid with alkaline metals and open chain polyammonium cations in aqueous solution. Talanta, 2001, 54, 25-36.	5.5	6
67	Thermodynamic parameters for the binding of inorganic and organic anions by biogenic polyammonium cations. Talanta, 2001, 54, 1135-1152.	5.5	42
68	Dependence on Ionic Strength of Protonation Enthalpies of Polycarboxylate Anions in NaCl Aqueous Solution. Journal of Chemical & Engineering Data, 2001, 46, 1417-1424.	1.9	51
69	Dependence on Ionic Strength of Polyamine Protonation in NaCl Aqueous Solution. Journal of Chemical & Engineering Data, 2001, 46, 1425-1435.	1.9	48
70	Chemical speciation of nucleotide 5â€²-monophosphates in the presence of biogenic amines. Chemical Speciation and Bioavailability, 2001, 13, 113-119.	2.0	6
71	Medium effects on the protonation enthalpies of linear diamines in NaCl aqueous solutions at 25Â°C. Thermochimica Acta, 2000, 363, 29-35.	2.7	8
72	Thermodynamics of Protonated Amineâ€“Hexacyanoferrate(II) Complex Formation in Aqueous Solution. Journal of Solution Chemistry, 1998, 27, 655-662.	1.2	1

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73	Thermodynamic parameters for the binding of ATP by protonated open-chain polyamines. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1091-1095.	1.7	23
74	Î”GÂ° and TÎ”SÂ° charge relationships for the binding of carboxylic anions by open-chain polyammonium cations. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2395-2398.	1.7	19
75	Thermodynamic Parameters for the Formation of Pyrophosphate-protonated Polyamine Complexes. Journal of Chemical Research Synopses, 1998, , 480-481.	0.3	3
76	Formation and stability of pyrophosphate complexes with aliphatic amines in aqueous solution. Talanta, 1996, 43, 707-717.	5.5	16
77	Quantitative study of the interactions of ATP with amines and amino acids. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1511-1518.	1.7	21
78	Binding of carboxylic ligands by protonated amines. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4219-4226.	1.7	31
79	Binding of hexacyanoferrate(II) by aliphatic amines in aqueous solution. Journal of Solution Chemistry, 1996, 25, 155-165.	1.2	6