Christina Moberg

List of Publications by Year
in descending order

43	1,282	393982	344852
papers	citations	19 h-index	36 g-index

48	48	48	973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solution coordination chemistry of actinides: Thermodynamics, structure and reaction mechanisms. Coordination Chemistry Reviews, 2006, 250, 784-815.	9.5	177
2	Solvent Effects on Uranium(VI) Fluoride and Hydroxide Complexes Studied by EXAFS and Quantum Chemistry. Inorganic Chemistry, 2001, 40, 3516-3525.	1.9	138
3	The Mechanism for Water Exchange in [UO2(H2O)5]2+and [UO2(oxalate)2(H2O)]2-, as Studied by Quantum Chemical Methods. Journal of the American Chemical Society, 2001, 123, 11999-12008.	6.6	123
4	Rates and Mechanisms of Water Exchange of UO22+(aq) and UO2(oxalate)F(H2O)2-:Â A Variable-Temperature17O and19F NMR Study. Inorganic Chemistry, 2000, 39, 799-805.	1.9	102
5	Structure and Bonding in Solution of Dioxouranium(VI) Oxalate Complexes:Â Isomers and Intramolecular Ligand Exchange. Inorganic Chemistry, 2003, 42, 1982-1993.	1.9	68
6	Kinetics of Ligand Exchange Reactions for Uranyl(2+) Fluoride Complexes in Aqueous Solution. Inorganic Chemistry, 1996, 35, 2036-2044.	1.9	55
7	Potentiometric and Multinuclear NMR Study of the Binary and Ternary Uranium(VI)â^'Lâ^'Fluoride Systems, Where L Is Î±-Hydroxycarboxylate or Glycine. Inorganic Chemistry, 2000, 39, 5036-5043.	1.9	46
8	Combinatorial Multinuclear NMR and X-ray Diffraction Studies of Uranium(VI)-Nucleotide Complexes. Journal of the American Chemical Society, 2005, 127, 15236-15247.	6.6	42
9	Reactivity of the a€œyla€•Bond in Uranyl(VI) Complexes. 1. Rates and Mechanisms for the Exchange between the trans-dioxo Oxygen Atoms in (UO₂)₂(OH)₂²⁺ and Mononuclear UO₂(OH)_n²⁻ⁿ Complexes with Solvent Water. Inorganic Chemistry, 2007, 46, 9372-9378.	1.9	38
10	Rates and Mechanism of Fluoride and Water Exchange in UO2F53-and [UO2F4(H2O)]2-Studied by NMR Spectroscopy and Wave Function Based Methods. Inorganic Chemistry, 2002, 41, 5626-5633.	1.9	37
11	On the Mechanism of Oxygen Exchange Between Uranyl(VI) Oxygen and Water in Strongly Alkaline Solution as Studied by ¹⁷O NMR Magnetization Transfer. Inorganic Chemistry, 2010, 49, 4928-4933.	1.9	37
12	Structure, Isomerism, and Ligand Dynamics in Dioxouranium(VI) Complexes. Inorganic Chemistry, 1997, 36, 5369-5375.	1.9	33
13	Chemical equilibria in the uranyl(vi)â€“peroxideâ€“carbonate system; identification of precursors for the formation of poly-peroxometallates. Dalton Transactions, 2012, 41, 11635.	1.6	29
14	Mechanisms of Ligand Substitution Reactions in Ternary Dioxouranium(VI) Complexes. Inorganic Chemistry, 1998, 37, 6214-6221.	1.9	28
15	Experimental and quantum chemical studies of structure and reaction mechanisms of dioxouranium(vi) complexes in solution. Dalton Transactions, 2004, , 3799-3807.	1.6	26
16	Structure and dynamics in the complex ion (UO2)2(CO3)(OH)3â^'. Dalton Transactions RSC, 2000, , 3158-3161.	2.3	22
17	Complexation of Th(iv) and various lanthanides(iii) by glycolic acid; potentiometric,13C-NMR and EXAFS studies. Dalton Transactions RSC, 2002, , 3805-3812.	2.3	22
18	The structure and bonding of Y, Eu, U, Am and Cm complexes as studied by quantum chemical methods and X-ray crystallography. Dalton Transactions, 2010, 39, 7666.	1.6	21

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19	New nepenthone and thevinone derivatives. Bioorganic and Medicinal Chemistry, 1997, 5, 369-382.	1.4	19
20	Oneâ€Pot, Twoâ€Step Protocol for the Catalytic Asymmetric Synthesis of Optically Active N,Oâ€•and O,Oâ€Acetals. ChemCatChem, 2013, 5, 1334-1339.	1.8	18
21	Reaction of morphinan-6,8-dienes with azadienophiles. Tetrahedron, 1996, 52, 2449-2464.	1.0	16
22	Studies on the synthesis of Î²-thevinone derivatives. Tetrahedron, 1998, 54, 9143-9152.	1.0	16
23	Equilibria and dynamics in binary and ternary uranyl oxalate and acetate/fluoride complexesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 1311-1318.	1.1	14
24	Alkali-metal ion coordination in uranyl(<scp>vi</scp>) poly-peroxide complexes in solution. Part 1: the Li⁺, Na⁺ and K⁺ â€“ peroxideâ€“hydroxide systems. Dalton Transactions, 2015, 44, 1549-1556.	1.6	13
25	Meta-studtite stability in aqueous solutions. Impact of HCO₃^{â^'}, H₂O₂ and ionizing radiation on dissolution and speciation. Dalton Transactions, 2021, 50, 6568-6577.	1.6	13
26	Application of19F NMR spectroscopy to the study of equilibrium dynamics of uranyl(2+)-fluoride complexes. Magnetic Resonance in Chemistry, 1995, 33, 20-26.	1.1	12
27	Structure, equilibrium and ligand exchange dynamics in the binary and ternary dioxouranium(vi)â€“glyphosateâ€“fluoride system. A multinuclear NMR study. Dalton Transactions RSC, 2002, , 4242.	2.3	12
28	Kinetic Analysis as an Optimization Tool for Catalytic Esterification with a Moisture-Tolerant Zirconium Complex. Journal of Organic Chemistry, 2020, 85, 6959-6969.	1.7	12
29	Structure, equilibrium and ligand exchange dynamics in the binary and ternary dioxouranium(vi)-ethylenediamine-N,Nâ€²-diacetic acid-fluoride system: a potentiometric, NMR and X-ray crystallographic study. Dalton Transactions, 2006, , 5176-5183.	1.6	8
30	Structure and dynamics of binary and ternary lanthanide(iii) and actinide(iii) tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedione] (TTA) complexes. Part 2, the structure and dynamics of binary and ternary complexes in the Y(iii)/Eu(iii) â€“TTA â€“ tributylphosphate (TBP) system in chloroform as studied by NMR spectroscopy. Dalton Transactions, 2010, 39, 10944.	1.6	8
31	Alkaliâ€“metal ion coordination in uranyl(<scp>vi</scp>) poly-peroxo complexes in solution, inorganic analogues to crown-ethers. Part 2. Complex formation in the tetramethyl ammonium-, Li⁺-, Na⁺- and K⁺-uranyl(<scp>vi</scp>)â€“peroxideâ€“carbonate systems. Dalton Transactions, 2015, 44, 16565-16572.	1.6	8
32	Synthesis of New Nepenthone Derivatives. Liebigs Annalen, 1996, 1996, 1653-1656.	0.8	7
33	Structure and dynamics of binary and ternary lanthanide(iii) and actinide(iii) tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedione] (TTA) â€“ tributylphosphate (TBP) complexes. Part 3, the structure, thermodynamics and reaction mechanisms of 8- and 9-coordinated binary and ternary Y-TTA-TBP complexes studied by quantum chemical methods. Dalton Transactions, 2011, 40, 3154.	1.6	7
34	Synthesis, biochemical, pharmacological characterization and in silico profile modelling of highly potent opioid orvinol and thevinol derivatives. European Journal of Medicinal Chemistry, 2020, 191, 112145.	2.6	7
35	Formation and Outâ€ofâ€Equilibrium, High/Low State Switching of a Nitroaldol Dynamer in Neutral Aqueous Media. Angewandte Chemie - International Edition, 2020, 59, 3434-3438.	7.2	6
36	The protonation state and binding mode in a metal coordination complex from the charge measured in solution by electrophoretic NMR. Analytical Methods, 2013, 5, 1648.	1.3	5

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37	Interdisciplinary Round-Robin Test on Molecular Spectroscopy of the U(VI) Acetate System. ACS Omega, 2019, 4, 8167-8177.	1.6	5
38	Isomerization Reactions of 7-Substituted 6,14-Bridged Thebaine Derivatives (Bentley Compounds).. Acta Chemica Scandinavica, 1998, 52, 1234-1238.	0.7	5
39	Conformational studies on B/C-cis- and B/C-trans-morphinan derivatives. Magnetic Resonance in Chemistry, 1995, 33, 913-916.	1.1	3
40	Fused 1,2,4-triazole heterocycles.IV. Synthesis of four new heterocyclic ring systems of [1,2,4]triazolo[1,3]thiazinoquinolines. Journal of Heterocyclic Chemistry, 1997, 34, 1275-1281.	1.4	3
41	NMR Analysis of a Series of 6,14â€Ethenomorphinan Derivatives as PET Precursors and Reference Substances**. ChemistrySelect, 2021, 6, 5994-6005.	0.7	3
42	Stability of Studtite in Saline Solution: Identification of Uranylâ€“Peroxoâ€“Halo Complex. Inorganic Chemistry, 2022, 61, 8455-8466.	1.9	3
43	Experimental and Quantum Chemical Studies of Structure and Reaction Mechanisms of Dioxouranium(VI) Complexes in Solution. ChemInform, 2005, 36, no.	0.1	0