

John K. Gibson - Publications

130. "Ligated Tetrapositive Pu⁴⁺ Ion in the Gas Phase: Formation and Fragmentation," Y. Gong, G. Tian, L. Rao, J. K. Gibson, Submitted
129. "Activation of Uranyl: From an Oxo to a Nitrido Complex," Y. Gong, V. Vallet, M. C. Michelini, D. Rios, J. K. Gibson, Submitted
128. "Synthesis and Properties of Uranium Sulfide Cations. An Evaluation of the Stability of Thio-Uranyl, {S=U=S}²⁺," C. C. L. Pereira, M. C. Michelini, J. Marçalo, Y. Gong, J. K. Gibson, Submitted
127. "Experimental and Theoretical Studies on the Fragmentation of Gas-Phase Uranyl-, Neptunyl- and Plutonyl-Diglycolamide Complexes," Y. Gong, H.-S. Hu, L. Rao, J. Li, J. K. Gibson, J. Phys. Chem. A, Web-Published on Sept. 9, 2013 (DOI: 10.1021/jp4076977).
126. "Thorium and Uranium Carbide Cluster Cations in the Gas Phase: Similarities and Differences between Th and U," C.C.L. Pereira, R. Maurice, A.F. Lucena, S. Hu, A.P. Gonçalves, J. Marçalo, J.K. Gibson, L. Andrews, L. Gagliardi. Inorganic Chemistry, Web-published on Sept. 18, 2013 (DOI: 10.1021/ic401058b).
125. "A Tetrapositive Metal Ion in the Gas Phase: Th⁴⁺ Coordinated by Neutral Tridentate Ligands," Y. Gong, H.S. Hu, G. Tian, L. Rao, J. Li, J.K. Gibson, Angew. Chem. Int. Ed. 52 (2013) 6885-6888.
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123. "Proton Transfer in Th(IV) Hydrate Clusters: A Link to Hydrolysis of Th(OH)₂²⁺ to Th(OH)₃⁺ in Aqueous Solution," P.X. Rutkowski, M.C. Michelini, J.K. Gibson, J. Phys. Chem A 117 (2013) 451-459.
122. "Gas-Phase Studies of Dipositive Hafnium Oxide Ions - Generation of the Peroxide HfO₂²⁺," C. Lourenço, M. C. Michelini, J. Marçalo, J. K. Gibson, M. C. Oliveira, J. Phys. Chem. A 116 (2012) 12399-12405.
121. "Solving the Riddles of Uranyl Acetone Complexes: Water-Elimination and 'Hypercoordination'," D. Rios, G. Schoendorff, M. J. Van Stipdonk, M. S. Gordon, T. L. Windus, J. K. Gibson, W. A. de Jong, Inorganic Chemistry 51 (2012) 12768-12775.
120. "Circularly Polarized Luminescence of Curium: A New Characterization of the 5f Actinide Complexes," G. L. Law, C. M. Andolina, J. Xu, V. Luu, P. X. Rutkowski, G. Muller, D. K. Shuh, J. K. Gibson, K. N. Raymond, J. Am. Chem. Soc. 134 (2012) 15545-15549.
119. "The Origins of Faster Oxo-Exchange for Uranyl(V) versus Plutonyl(V)," D. Rios, M. C. Michelini, A. F. Lucena, J. Marçalo, J. K. Gibson, J. Am. Chem. Soc., 134 (2012) 15488-15496.
118. "Gas-Phase Uranyl, Neptunyl and Plutonyl: Hydration and Oxidation Studied by Experiment and Theory," D. Rios, M. C. Michelini, A. F. Lucena, J. Marçalo, T. H. Bray, J. K. Gibson, Inorganic Chemistry, 51 (2012) 6603-6614.
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116. "Activation of Gas-Phase Uranyl Diacetone Alcohol Coordination Complexes by Spectator Ligand Addition," D. Rios, J.K. Gibson, Eur. J. Inorg. Chem. (2012) 1054-1060.
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(September, 2013)