

Faculty Name: Gina M. Chiarella **Work Address:** P.O. Box 519; MS 1060
Prairie View, TX 77446

Position Title: Adjunct Assistant Professor
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D. in Inorganic Chemistry	State University of New York at Stony Brook	August 2006
	M.S. Chemistry	Pontificia Universidad Catolica del Peru	December 1984
	B.S. Chemistry	Universidad Peruana Cayetano Heredia, Peru	January 1980

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Adjunct Assistant Professor	Prairie View A&M University	2012-present
	Partial-time Professor	College of Natural Science, Blinn College	2011-2112
	Teaching Assistant	Department of Chemistry, State University of New York at Stony Brook	2001-2002 2005-2006
	Associate Professor	School of Chemistry, Universidad Nacional de Ingenieria, Lima, Peru	1989-2001
	Assistant Professor	Department of Chemistry, Universidad Peruana Cayetano Heredia, Peru	1988- 1989
	Full Professor	Universidad Nacional de Ancash "Santiago Antunez de Mayolo", Huaraz, Peru.	1986-1988
	Assistant Professor	Universidad Nacional de Educacion "Enrique Guzman y Valle", Peru	1979-1984

Professional Publications: Gina M.; Chiarella, Carlos A Murillo,.; Mark D.Young, 2016. "Soluble paramagnetic Ru6+2 paddlewheels with alkyl-substituted bicyclic guanidines". *Polyhedron*, 103(Part_A), 15-20.

Gina M. Chiarella, F. Albert Cotton, Carlos A. Murillo, Karen Ventura, Dino Villagran and Wang, Xiaoping. 2014. "Manipulating Magnetism: Ru₂⁵⁺ Paddlewheels Devoid of Axial Interactions". *Journal of the American Chemical Society*. 136, 9580-9589

Gina M. Chiarella, F. Albert Cotton, Jason C. Durivage, Dennis L. Lichtenberger and Carlos A. Murillo. 2013. "Solubilizing the Most Easily Ionized Molecules and Generating Powerful Reducing Agents". *Journal of the American Chemical Society* 135, 17889–17896.

Gina M. Chiarella, F. Albert Cotton, Sergey A. Ibragimov, Carlos A. Murillo, Chad C. Wilkinson and Mark D. Young. 2013. "Increasing the solubility of dimetal-paddlewheel compounds with

alkylated bicyclic guanidinate ligands: Structural characterization of the ligands and a dipalladium paddlewheel". *Polyhedron*. 58, 7-12.

Gina M. Chiarella, F. Albert Cotton, Naresh S. Dalal, Carlos A. Murillo, Zhenxing Wang and Mark D. Young. 2012. "Direct Evidence from EPR for Additional Configurations in Uncommon Paddlewheel Re²⁷⁺ Units Surrounded by an Unsymmetrical Bicyclic Guanidinate". *Inorganic Chemistry*. 51, 5257-5263.

Lane, Andrew C.; Vollmer, Matthew V.; Laber, Charles H.; Melgarejo, Doris Y.; Chiarella, Gina M.; Fackler, John P. Jr.; Yang, Xinzhen; Baker, Gary A.; Walensky, Justin R.. 2014. "Multinuclear Copper(I) and Silver(I) Amidinate Complexes: Synthesis, Luminescence, and CS₂ Insertion Reactivity". *Inorganic Chemistry* 53(21), 11357-11366.

Gina M. Chiarella, F. Albert Cotton, Carlos A. Murillo, and Qinliang Zhao. 2014. "A Strong Metal-to-Metal Interaction in an Edge-Sharing Biocuboctahedral Compound that Leads to a Very Short Tungsten-Tungsten Double Bond". *Inorganic Chemistry*. 53, 2288-2295.

Doris Y. Melgarejo, Gina M. Chiarella, and John P. Fackler, Jr. 2011. "Novel Mixed Coordination of N and C Donors to Gold-Gold Centers". *Organometallics*. 30, 5374-5380.

Gina M. Chiarella, F. Albert Cotton and Carlos A. Murillo. 2011. "An Uncommon highly oxidized multiple bonded Re²⁸⁺ species". *Chemical Communications*. 47(31), 8940-8942.

Additional Trainings/Skills:

Spectroscopic techniques: Infrared, Raman, Ultraviolet-visible, Proton, Carbon, Phosphorous and fluorine Nuclear magnetic resonance, Luminescence measurements.

X-ray single crystal diffraction techniques.

Electrochemistry techniques: cyclic voltammetry and control potential electrode in aqueous and non-aqueous solvents.

Synthetic techniques: Argon and Nitrogen Glove box, High pressure hydrogenation reaction, inert atmosphere preparations, cluster synthesis, di metal paddlewheel compound synthesis.

Modeling techniques of metal-enzyme active sites.