Barry L. Westcott, Ph.D.
Curriculum Vita

Department of Chemistry & Biochemistry 860.832.2677.
Central Connecticut State University westcottb@ccsu.edu

Professional Experience

2006-present Professor, Department of Chemistry & Biochemistry, CCSU
2017-2019 Associate to the Dean, School of Engineering, Science & Technology, CCSU
2011-2015 Chair, Department of Chemistry & Biochemistry, CCSU
2001-2006 Associate Professor, Department of Chemistry, CCSU
1997-2001 Assistant Professor, Department of Chemistry, CCSU

Education

Ph.D., Chemistry, August 1997, The University of Arizona, "Investigation of molybdenum sulfur interactions via single crystal EPR and photoelectron spectroscopy: Implications to molybdoenzymes," John H. Enemark, advisor.

B.S., Chemistry, with Honors and Distinction, May 1994, The Pennsylvania State University at Erie, The Behrend College.

Leadership and Service

Chair, Honors Program Curriculum Revision (2022)

The CCSU Honors Program had remained essentially unchanged for over 30 years. The current program has students taking 36 prescribed credits and writing a literature-based thesis in their junior year, with no involvement with the program in their senior year. This large encumbrance of credits proved onerous for students in "high credit" programs—e.g., engineering, nursing, education—and was credit heavy in faculty load. I was asked to chair a committee to propose revisions. I spent time looking at recommendations of the National Collegiate Honors Council, curricula of member institutions, honors programs in institutions outside of that consortium, and honors programs at other CSUs and UConn. After an initial proposal based on what were considered best practices and several meetings of a small, diverse committee, we held several open forums with honors faculty and students before holding a vote of the honors faculty. Last fall the curriculum we developed passed the shared governance process and will be implemented for incoming freshmen in Fall 2023.

Ad hoc *committee to review chair election of Educational Leadership, Policy & Instructional Technology (ELPIT) Department (2021-22)*

The ELPIT Department in the School of Education & Professional Studies had a difficult history and contentious chair election that—after several attempts—resulted in no winner deemed suitable by the Dean, Provost, President, or faculty of the department. Per Faculty Senate bylaws, an *ad hoc* committee was formed to review the election and recommend a chair for the department. Over the winter break, we interviewed willing faculty members and relevant administrators while reviewing all available documentation. We found numerous violations of policies, procedures, and practices by both department members and administrators and crafted a report with our recommendation to the Faculty Senate and University President. I acted as *de facto* secretary of the committee, writing and revising all official reports.

Associate to the Dean, CCSU School of Engineering, Science & Technology (2017-2019)

In this role I was responsible for all facilities, equipment, and safety issues in SEST. In addition to working with the 11 individual departments, I also represented the Dean in meetings with Facilities and Environmental Health & Safety personnel. I developed a new process for long-term equipment, space, and

staffing needs in SEST; this assessment and subsequent ranked proposals served as the foundation for the new five-year plan for the school. I worked with the university Environmental Health & Safety Officer to update the university-wide shop & lab safety protocols and the university chemical hygiene plan. I left this position in July 2019 as I had been granted a sabbatical.

Co-Chair, Chemistry Transfer Articulation Program (TAP), Connecticut State Colleges and Universities (CSCU) (2014-2018)

In August 2011, the State Government of Connecticut merged the 4 regional universities, 12 community colleges, and 1 online institution into a single system. Part of this mandate required streamlining the curriculum offered at these 17 institutions to lead to a smoother transfer for students who begin their academic careers at community colleges. TAP was a legislative mandate requiring every 4-year university to draft equivalency courses for community colleges students to enter a BS or BA program with junior-level standing after completion of an associate degree at a community college. I co-chaired the process for chemistry (the other co-chair was a colleague from one of the community colleges). The mandate required the same pathway for entry into *any* of the four-year universities, which meant finding commonalities not only for chemistry courses, but also for supporting courses (such as math and physics), and for all general-education courses, which often differ significantly at the 17 institutions depending upon faculty expertise and timing of course offerings. Once we came to common agreement, I was responsible for drafting the report and defending our decisions to the TAP Managers and the CSCU Board of Regents Curriculum Subcommittee. I then shepherded the document through various individual campus processes (with help from colleagues at each institution). The final document received approval by the full Board of Regents and CSCU President in the Fall of 2016. This work continues with periodic reviews of the curricula and course offerings at all CSCU institutions.

Chair, CCSU Department of Chemistry and Biochemistry (2011-2015)

As Chair, I had responsibility for the evaluation and course scheduling for all full- and part-time faculty, a chemical technician, and secretary. I acted as advisor for the majority of chemistry and biochemistry majors. I was responsible for the departmental budget and acted as liaison between the faculty and administration, and between CCSU and the American Chemical Society, our department's professional accrediting body. As chair I worked to streamline course offerings for the over 1000 students (each semester) in our service courses while maintaining enough faculty load to ensure upper-division course offerings for chemistry and biochemistry majors, initiated an outreach program for recruiting potential majors (no such recruiting existed prior to 2012), and worked to modernize our chemical inventory system, department website, and chemical instrumentation. I further worked with the chairs in the other STEM disciplines to present a united front in the face of difficult budget decisions, encouraging my fellow chairs to streamline offerings and consider interdisciplinary approaches to content delivery to allow for better prepared graduates. Despite difficult budgetary challenges, I was able to justify additional expenditures to upgrade department instrument holdings, which had remained stagnant since 2007.

CCSU Study Group for Formation of a STEM School (2013)

In spring of 2013, the CCSU President formed a study group to explore a reorganization of the academic structure at CCSU. This change grew naturally from the emergence of CCSU as a leader in engineering and technology within the State University structure. I was asked to serve on this committee, and I was tasked with drafting our findings. After extensive discussion, we recommended a merging of the Science, Technology, Engineering and Mathematics (STEM) disciplines at CCSU into a single organization structure. The previous structure—which had STEM disciplines across multiple Schools—was unwieldy and disadvantaged the STEM departments by failing to exploit the commonality and synergy amongst the CCSU physical science and mathematics departments, as well as the natural relationship between the physical sciences, mathematics, engineering, and technology disciplines. I served on the subsequent

committee to determine the mission, vision, budgetary, and academic structure of the new school, which began functioning in July 2014.

Chair, CCSU Undergraduate Research and Creative Achievement Program (URCAP) (1998-2009; 2012-2013)
When I arrived at CCSU, no program existed to recognize research and creative activity of undergraduate students at CCSU. A colleague and I approached the Dean of Arts and Sciences, who agreed to provide $200 for food for such an event. Over the years, I worked with her successor and 5 different Provosts at CCSU to expand the event from the initial two hours of poster presentations to a program that rewards 4 senior students annually with a cash prize and a trip to the National Conference on Undergraduate Research (NCUR) to present their results, and a full-day event at CCSU with concurrent oral sessions and a poster session with lunch for all attendees. The internal budget increased 20-fold during this time period, and I worked with our VP of Institutional Advancement to secure additional funds from an external agency, more than doubling the budget of the program, thus providing funds for students to present their research at field-specific conferences.

Chair, Connecticut Valley Section of the American Chemical Society (2008-2009; 2012)
The local section of the ACS encompasses most of Connecticut and Western Massachusetts. As chair I was responsible for coordinating annual business for a section of dues-paying members, running executive board meetings, filing appropriate reports to our national organization, and managing our $35,000 annual budget and additional $150,000 in reserves. In preparation for my tenure as Chair, I attended the American Chemical Society Leadership Development Weekend, which focused on developing skills to be a more effective leader.

Connecticut Department of Higher Education Nanotechnology Initiative (2007-2008)
This committee, formed through a legislative act, brought together members of academia, government, and industry to develop post-secondary nanotechnology programs in Connecticut. My role was to develop curriculum for nanochemistry and nanomaterials courses that could be implemented at any of the state's four-year public and private institutions. During this process, I learned a great deal about the challenges of working with government agencies, especially from the perspective of a primarily state-funded institution.

Chair, CCSU ad hoc *Committee on Promotion and Tenure (2006-2007)*
During AY 2005-2006, administrative flux led to widespread faculty concerns regarding promotion and tenure. The process as it existed provided only broad guidelines to junior faculty trying to achieve important career milestones. Inconsistent application of these vague standards led to concerns over perceived discriminatory practices within the P&T process. The CCSU faculty senate—in conjunction with the AAUP and President's Office—formed an *ad hoc* committee to review the entire P&T process; I chaired that committee. The committee collected relevant data through surveys, interviews with faculty and staff, and open forums. We then submitted recommendations to the faculty senate on changes to the process to ensure a more open and fair process. I presented our findings to the faculty senate, acting as the voice of the committee, defending our positions, and crafting compromises. What ultimately emerged from this process (and was accepted by the CCSU president) represented a substantial improvement over the previous system. Now, each department must develop discipline-specific guidelines and mentoring practices for junior faculty that include explicit criteria for promotion and tenure. These departmental guidelines must be approved by the faculty senate, appropriate academic dean, and provost, ensuring that all stakeholders in the evaluative process are represented.

Additional University Service (CCSU)

2021-2023	Academic Advising Committee
2020-2022	Chair, Department Evaluation Committee

2011-2014 Faculty Advisor, Chemistry Club
2006-2009 Faculty Representative, CCSU Facilities Planning Committee
2006-2007 Vice President, Faculty Senate
2003-2005 University Textbook Review Committee
2002-2004 Faculty Advisor, The Circle
2001-2005 Mediation Committee
1998-2000, 2001-2004 Academic Standards Committee, (Vice-Chair, 1998, 2002-2003; Chair, 1999-2000)
1998-2000, 2002-2013 Library Committee

Research Grants

External

2006-2008 NSF MRI Grant (#0520982) ($223,596)
2004-2007 NSF MRI Grant (#0420322) ($335,850)

Internal

Between 1998 and 2023 I have received 25 CSU-AAUP Faculty Research Grants along with multiple Curriculum Development, Faculty Development, and Student-Faculty Research grants.

Publications (student researchers marked with *)

30. B.L. Westcott, G. Crundwell, N.L. Alicea-Velazquez, "Tetraaqua[3-oxo-1,3-bis(pyridinium-2-yl)propan-1- olato]nickel(II) tribromide dehydrate," *Acta Cryst. E* **2020**, *76*, 270-272.

29. H. I. Crundwell*, R. I. Grimmett*, G. Crundwell, B. L. Westcott, "1,4-*bis*(2-nitrobenzyl)piperazine," *IUcr Data*, **2019**, *4*, x191468.

28. M. Gioia*, G. Crundwell, B. L. Westcott, "Tetraaqua[2,6-diacetylpyridine*bis*(semicarbazone)] samarium(III) trinatrate," *IUCr Data,* **2018**, *10,* x181454.

27. B. L. Westcott, G. Crundwell, M. Remesic*, K. M. Knopf*, K. Chandler*, J. McMaster, E. S. Davies, "Crystal structure and magnetic properties of di-copper and di-zinc complexes of di-2-pyridyl ketone oxime," *Inorg. Chem. Commun.* **2016**, *74,* 79-81.

26. K. M. Knopf*, G. Crundwell, B. L. Westcott, "Crystal structure of hexaaquadichloridoytterbium (III) chloride," *Acta Cryst. E* **2015**, *71*, i5.

25. B. L. Westcott, T. J. Seguin*, N E. Gruhn, "Photoelectron spectra of several lanthanide β-diketonates," *J. Electron. Spectrosc. Relat. Phenom,* **2014**, *193*, 100-101.

24. G. Crundwell, S. Cantalupo*, P. D. C. Foss*, B. McBurney*, K. Kopp*, B. L. Westcott, J. Updegraff, III, M. Zeller, A. D. Hunter, "Molecular and electronic structure of several 2,3-dithenylquinoxalines and their 2:1 complexes with silver(I) nitrate,"*Open. J. Inorg. Chem.* **2014**, *4*, 10-17.

23. S. A. A. Nami, A. Husain, K. S. Siddiqi, B. L. Westcott, K. Kopp-Vaughan*, "Synthesis, spectroscopic, magnetic and thermal properties of bimetallic salts, [Ni(L)][MCl4] {where M= Co(II), Zn(II), Hg(II) and L = 3,7-bis(2-aminoethyl)-1,3,5,7-tetraazabicyclo(3.3.1)nonane}. X-ray structure of Ni(L)][$CoCl_4$]," *Spectrochim. Acta A,* **2010**, *75*, 444-447.

22. K. L. Brown*, G. Crundwell, B. L. Westcott, "*Bis*(di-2-pyridylmethanediol-κ^4N,O,N')copper(II)*bis*(tetrafluoridoborate) dehydrate," *Acta Cryst. E* **2009***, 65*, m642.

21. B. L. Westcott, K. M. Kopp-Vaughn*, L. M. Daniels, M. Zeller, "Di-μ-bromido-bis[bromido(di-2-

pyridylmethanediol-κ^2N,N')copper(II)] dihydrate," *Acta Cryst E*. **2008**, *64*, m1122–m1123.

20. M. Zeller, B. L. Westcott, K. M. Kopp-Vaughn*, A. D. Hunter, "*catena*-Poly[[*μ*-bromido-(*μ*-hydroxydi-2-pyridylmethanolato-κ^4N,O:O,N)dicopper(II)(Cu—Cu)]-di-*μ*-bromido]," *Acta Cryst E*. **2008**, *64*, m1121.

19. B. McBurney*, P. C. D. Foss*, E. M. Reed*, T. D. Shine, N. M. Glagovich, B. L. Westcott, G. Crundwell, M. Zeller, A. D. Hunter, "1-ethoxy-4-nitrobenzene," *Acta Cryst.* **2004**, *E60,* o2179-o2180.

18. C. Kanaras*, B. L. Westcott, G. Crundwell, J. B. Updegraff III, M. Zeller, A. D. Hunter, S. O. Sommerer, "Crystal Structures of (di-2-pyridyl ketone)zincdibromide and diiodide, $Zn(C_{11}H_8N_2O_2)X_2$ (X = Br, I), *Z. Kristallogr. NCS* **2004**, *219,*393-394.

17. B. L. Westcott, G. Crundwell, T. R. Burkholder, L. J. Michelsen*, C. B. Gardner*, N. E. Gruhn, M. Zeller, P. Miner, A. Hunter, "The Molecular and Electronic Structure of *N,N*'-ethylene *bis*(acetylacetonylideiminato)oxovanadium (IV) and the Electronic Structure of its Thio Analogue," *J. Electron. Spectrosc. Relat. Phenom.* **2004**, *135*, 1-5.

16. H. K. Joshi, M. E. Arvin, J. C. Durivage, N. E. Gruhn, M. D. Carducci, B. L. Westcott, D. L. Lichtenberger, J. H. Enemark, "Photoelectron Spectra of Potassium Salts of Hydrotris(pyrazol-1-yl)borates: Electronic Structure of the Electron Withdrawing Scorpionates $Tp^{(CF3)2}$, Tp^{*Cl}, and Comparison to Tp^* and Tp," *Polyhedron* **2004**, *23*, 429-438.

15. G. Crundwell, B. L. Westcott, R. Coffey*, M. Zeller, A. Hunter, "Crystal Structures of Two Different Cobalt(III) Complexes with Di-2-pyridyl Ketone Grown from Methanol— *Bis*(methoxy-bis(2-pyridyl)methanolato-*O,N,N'*)-cobalt(III) Nitrate Trihydrate and (Hydroxy-bis(2-pyridyl)methanolato-*O,N,N'*)-(methoxy-bis(2-pyridyl)methanolato-*O,N,N'*)-cobalt(III) Nitrate Trihydrate," *Inorg. Chim Acta* **2003**, *355C*, 432-437.

14. N. E. Gruhn, L. J. Michelsen*, B. L. Westcott, "Photoelectron Spectroscopy of *Bis*(2,4-Pentanedione)-Oxovanadium(IV) [VO(acac)2] and its Derivatives: Substituent Effects on the 2,4-Pentanedione Donor," *Inorg. Chem* **2002**, *41*, 5907-5911.

13. J. Woltz*, B. L. Westcott, G. Crundwell, M. Zeller, A. Hunter, S. O. Sommerer, "Bis(di-2-pyridylmethanediol-κ^2-*N,N'*)iron(III) nitrate dihydrate," *Acta Cryst* **2002**, *E58,* 609-610.

12. B. L. Westcott, N. E. Gruhn, L. J. Michelsen*, D. L. Lichtenberger, "Experimental Observation of Non-Aufbau Behavior: Photoelectron Spectra of Vanadyloctaethylporphyrinate and Vanadylphthalocyanine," *J. Am. Chem. Soc.* **2000**, *122*, 8083-4.

11. B. L. Westcott, J. H. Enemark, "Transition Metal Nitrosyls," in *Inorganic Electronic Structure and Spectroscopy-Volume II*, A. B. P. Lever and E. I. Solomon, eds., John Wiley and Sons, New York, **1999**, 403-450.

10. F. E. Inscore, R. McNaughton, B. L. Westcott, M. E. Helton, R. Jones, I. K. Dhawan, J. H. Enemark, M. L. Kirk, "Spectroscopic Evidence for a Unique Bonding Interaction in Oxo-Molybdenum Dithiolate Complexes: Implications for σ Electron Transfer Pathways in the Pyranopterin Dithiolate Centers of Enzymes," *Inorg. Chem.* **1999**, *38*, 1401-10.

9. B. L. Westcott, N. E. Gruhn, J. H. Enemark, "Evaluation of Molybdenum-Sulfur Interactions in Molybdoenzyme Model Complexes by Gas-Phase Photoelectron Spectroscopy. The Electronic Buffer Effect," *J. Am. Chem. Soc.* **1998**, *120*, 3382-6.

8. B. L. Westcott, J. H. Enemark, "Formal Oxidation States vs. π-Effects in Isostructural Low-Symmetry $[MoNO]^{3+}$ and $[MoO]^{3+}$ Complexes: A Photoelectron Spectroscopy Study," *Inorg. Chem.* **1997**, *36*, 5404-5.

7. S. O. Sommerer, A. J. Jircitano, B. L. Westcott, K. A. Abboud, J. A. Krause Bauer, "The Structures of *bis*(di-2-pyridylmethanediol-*N,N'*)palladium(II) dichloride tetrahydrate and dichloro(di-2-pyridylmethanediol-*N,N'*)gold(III) chloride," *Acta Cryst.* **1997**, *C53*, 707-9.

6. S. O. Sommerer, B. L. Westcott, A. J. Jircitano, K. A. Abboud, "The Structure of *catena*-Poly[Silver(I)-μ-(di-2-pyridyl ketone)-*N,O:N',O*] Tetrafluoroborate," *Acta Cryst.* **1996**, *C52*, 1426-28.

5. S. O. Sommerer, B. L. Westcott, K. A. Abboud, "The Synthesis and Structure of Two Novel Metal Di-2-pyridyl Ketone Oxime Dimers," *Inorg. Chim. Acta* **1995**, *238*, 149-53.

4. S. O. Sommerer, B. L. Westcott, K. A. Abboud, T. L. Friebe, "The Structure of Di(2-pyridinium)methanediol Nitrate," *Acta Cryst.* **1994**, *C50*, 2013-15.

3. A. J. Jircitano, S. O. Sommerer, J. J. Shelley, B. L. Westcott, I. Suh, "The Self-Condensation of a Derivative of *o*-Aminobenzaldehyde. Structure of the Polycyclic Bisanhydro Trimer of 2-Amino-5-bromobenzaldehyde," *Acta Cryst.* **1994**, *C50*, 445-7.

2. S. O. Sommerer, B. L. Westcott, K. A. Abboud, "Structures of *catena*-Poly[(nitrato-*O,O'*)-Silver(I)-μ-(di-2-pyridyl ketone-*N:N'*)] and Di-2-pyridyl ketone," *Acta Cryst.* **1994**, *C50*, 48-52.

1. S. O. Sommerer, B. L. Westcott, T. R. Cundari, J. A. Krause, "A Structural and Computational Study of Tetraaqua[2,6-diacetylpyridinebis-(semicarbazone)]gadolinium(III) trinitrate," *Inorg. Chim. Acta* **1993**, *209*, 101-4.

Presentations (Presenter listed first, student researchers marked with *)

30. M. Youkhateh*, B. L. Westcott, "Structural comparison of computational predicted proteins to their crystalline form," Spring 2021 Meeting of the American Chemical Society, April 5-30, Virtual.

29. H. Crundwell*, G. Crundwell, R.I. Grimmett*, B. L. Westcott, "Schiff-base multidentate ligands using 2,2'-(piperazine-1,4-diylbis(methylene)dianiline and their chelating effects on lanthanide(III) metals," Spring 2020 Meeting of the American Chemical Society, March 21-25, Virtual.

28. M. Gioia*, B. L. Westcott, "Synthesis and characterization of novel lanthanides with a macrocyclic ligand," 255th Meeting of the American Chemical Society, March 18-22, 2018, New Orleans.

27. L. Thompson*, B. L. Westcott, "Analyzing heavy metal contamination of abandoned cobalt mine in Chatham, Connecticut, using handheld XRF," 255th Meeting of the American Chemical Society, March 18-22, 2018, New Orleans.

26. K. Knopf*, B. L. Westcott, "Synthesis and characterization of di-2-pyridyl ketone oxime complexes with transition and lanthanide metals," 249th Meeting of the American Chemical Society, March 22-26, 2015, Denver, CO.

25. K. Chandler*, B. L. Westcott, G. Crundwell, "Molecular structure and spectroscopy of novel transition metal complexes with di-2-pyridyl ketone oxime," 247th Meeting of the American Chemical Society, March 16-20, 2014, Dallas, TX.

24. M. Remesic*, B. L. Westcott, "Kinetics of formation of transition-metal complexes of di-2-pyridyl ketone oxime," 245th Meeting of the American Chemical Society, April 7-11, 2013, New Orleans.

23. B.L. Westcott, J. McMaster, T. S. Davies, "Dicopper centers of di-2-pyridyl ketone oxime", 243rd Meeting of the American Chemical Society, March 25-29, 2012, San Diego.

22. C. Singh*, B. L. Westcott, M. Evans, "Analysis of trace metals in stream sediments near an abandoned copper mine, Bristol, Connecticut," 47th Northeast Regional Meeting, Geological Society of America, March 18-20, 2012, Hartford, CT.

21. H. Katz*, B. L. Westcott, "Lanthanide complexes of 2-dithienyl quinoxaline," 242nd Meeting of the American Chemical Society, March 27-31, 2011, Anaheim.

20. B. L. Westcott, D. Miller, "Curve fitting of gas phase ultraviolet photoelectron spectra," 239th Meeting of the American Chemical Society, March 21-25, 2010, San Francisco.

19. M. Accetura*, B. L. Westcott, N. Gruhn, "Photoelectron Spectra of $Ln(acac)_3$ Complexes," 235th Meeting of the American Chemical Society, April 6-10, 2008, New Orleans.

18. B. L. Westcott, "The Traditional Inorganic Survey without the Mind-Numbing Boredom," 234th Meeting of the American Chemical Society, August, 2007, Boston.

17. B. L. Westcott, K. Kopp*, A. D. Hunter, M. Zeller, "The Serendipitous Synthesis, Isolation, and Characterization of Three Complexes of Cu with the Ligand Di-2-pyridylmethanediol," 229th Meeting of the American Chemical Society, March 13-17, 2005, San Diego.

16. K. Kopp*, G. Crundwell, J. C. Durivage, N. E. Gruhn, A. Pierpont*, P. C. D. Foss*, B. McBurney*, T. R. Burkholder, M. Zeller, A. D. Hunter, B. L. Westcott, "Electronic Structure of Thienyl Quinolxalines," 229th Meeting of the American Chemical Society, March 13-17, 2005, San Diego.

15. A.D. Hunter, J. L. Payton, M. Zeller, C. Perrine, B. L. Westcott, N. E. Gruhn "Computational and Photoelectron Spectroscopic Investigations of $(Arene)Cr(CO)_3$ Complexes - Structure/Property Relationships," 228th Meeting of the American Chemical Society, August 22-26, 2004, Philadelphia, PA.

14. A.D. Hunter, M. Zeller, C. Perrine, J. L. Payton, J. L. Woolcock, B. L. Westcott "Organometallic Nanostars from Ferrocenyl Isonitrile to Metal Phosphine Building Blocks," 228th Meeting of the American Chemical Society, August 22-26, 2004, Philadelphia, PA.

13. A D. Hunter, M. Zeller, J. L. Payton, E. Lazich, J. B. Updegraff, B. L. Westcott "Isonitrile Bridged Organometallic Building Blocks and Nanowires," 228th Meeting of the American Chemical Society, August 22-26, 2004, Philadelphia, PA.

12. C. Kanaras*, B. L. Westcott, G. Crundwell, "Structural Studies of Zinc Di-2-pyridyl Ketone Complexes, 225th Meeting of the American Chemical Society, March 24-April 1, 2004, Anaheim, CA.

11. N. E. Gruhn, M. T. Ashby, J. H. Enemark, F. E. Inscore, H. K. Joshi, D. L. Lichtenberger, K. R. Ruddick, W. A. Schenk, B. L. Westcott, "Organometallic and Bioinorganic Metal-thiolate Bonding: Insight from Gas-Phase Photoelectron Spectroscopy," 20th International Symposium on the Organic Chemistry of Sulfur, July 14-19, 2002, Flagstaff, AZ.

10. J. Woltz*, B. L. Westcott, "Kinetics of Formation of Transition Metal Compounds with a Novel Diol," 221st Meeting of the American Chemical Society, April 1-5, 2001, San Diego.

9. D. L. Lichtenberger, N. E Gruhn, L. J. Michelsen*, B. L. Westcott, "Density Functional Theory Calculations on Molecules with Non-Aufbau Behavior: Vanadyl Octaethylporphyrinate and Vanadyl Phthalocyanine," 220th Meeting of the American Chemical Society, August 20-24, 2000, Washington, D. C.

8. B. L. Westcott, L. J. Michelsen*, N. E. Gruhn, "Electronic Structure of the Vandayl Moiety in Mixed Ligand Environments," 219th Meeting of the American Chemical Society, March 26-30, 2000, San Francisco.

7. B. L. Westcott, L. J. Michelsen*, N. E. Gruhn, "Photoelectron Spectra of Vanadyl Porphyrins: Models for Petroleum Impurities," 217th Meeting of the American Chemical Society, March 21-25, 1999, Anaheim.

6. F. E. Inscore, M. L. Kirk, C. G. Young, J. P. Hill, J. H. Enemark, B. L. Westcott, "Electronic Structure Studies of Mo and W Dithiolates," 217th Meeting of the American Chemical Society, March 21-25, 1999, Anaheim.

5. L. J. Michelsen*, N. E. Gruhn, B. L. Westcott, "Photoelectron Spectra of Vanadyl Porphyrins: Models for Petroleum Impurities," 216th Meeting of the American Chemical Society, August 23-27, 1998, Boston.

4. B.L. Westcott, J.H. Enemark, "Comparison of the photoelectron spectra of LMo(X)(3,4-toluenedithiol) [L = hydrotris(3,5-dimethylpyrazolyl)borate]: The reintroduction of NeI as a suitable ionizing source, 213th Meeting of the American Chemical Society, April 13-17, 1997, San Francisco.

3. B.L. Westcott, I. Dhawan, A. Raitsimring, J.H. Enemark, "Single crystal EPR studies of LMo(O)(1,2-benzenedithiol) (L = hydrotris(3,5-dimethylpyrazolyl)borate): Implications for the molybdenum center of sulfite oxidase," 213th Meeting of the American Chemical Society, April 13-17, 1997, San Francisco.

2. S.O. Sommerer, B.L. Westcott, K.A. Abboud, "Crystal structures of several transition-metal complexes with di-2-pyridyl ketone," National Meeting of the American Crystallographic Association, June 25-July 1, 1994, Atlanta.

1. S.O. Sommerer, B.L. Westcott, K.A. Abboud, "Structural studies of silver(I) containing polymers," 207th Meeting of the American Chemical Society, March 13-17, 1994, San Diego.