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Richard J. Staples

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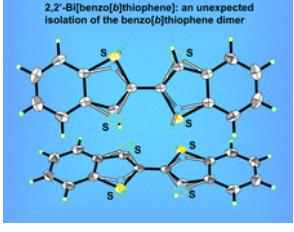
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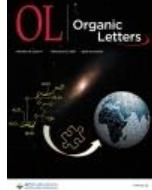
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358. "Influence of metal on coordination geometry and solution dynamics in complexes of *cis*-ethylenebis(diphenylphosphine oxide) and Ln(OTf)₃ (Ln = La, Sm, Lu) X-ray crystal structures and NMR titration studies." G.G. Sands, G. Ertle, J. Mugemana, R.J. Staples, J. E. Binder, S.M. Biros *Polyhedron*, **2023**, 245, 116659. <https://doi.org/10.1016/j.poly.2023.116659>
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360. "*Ortho*-Alkoxy-benzamide Directed Formation of a Single Crystalline Hydrogen-bonded Crosslinked Organic Framework and Its Boron Trifluoride Uptake and Catalysis." F. Li, E. Li, K. Samanta, Z. Zheng, L. Wu, A.D. Chen, O.K. Farha, R.J. Staples, J. Niu, K. Schmidt-Rohr, C. Ke *Angew. Chem. Int. Ed.*, **2023**, e20311601. <https://doi.org/10.1002/anie.202311601>

361. "Manipulating nitration and stabilization to achieve high energy." J. Singh, R.J. Staples, J.M. Shreeve *Science Advances*, **2023**, 9(46), eadk3754.
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SELECTED PRESENTATIONS:

1. "Largest Problem: Getting a crystal and what is it worth to the researcher to have the structure." R.J. Staples, *Invited Speaker*, as part of: "**Economics of Crystallography**" Session, American Crystallographic Annual Meeting **July, 2021**.
2. "The Good, the Challenging and the Fast" R.J. Staples, *Invited Speaker*, Rigaku US Meeting, April 2021.
3. "Instrument Repair to Data Collection to Colleague" R.J. Staples, *Invited Speaker*, ACS Spring Meeting, 2019, In Honor of Dr. Rybak-Akimova. INOR-0860.
4. "Applications of Single Crystal X-ray Diffraction Techniques and How to get the Crystals. A tool to help answer chemical questions" R.J. Staples, *Invited Speaker*, Grand Valley State University, Feb 24, 2017.
5. "Crystallography for Undergraduate Research Universities through Collaborations" R.J. Staples, *invited speaker*, American Crystallographic Annual Meeting, July 2016.
6. "Applications of Single Crystal X-ray Diffraction Techniques and How to get the Crystals. A tool to help answer chemical questions" R.J. Staples, *invited speaker*, Amgen Inc, and Eisai Research Inc, Feb. 2016.
7. "Applications of X-ray Crystallographic Techniques. A tool to help answer chemical questions" R.J. Staples, *invited speaker*, Department of Chemistry, Michigan State University, April 2014.
8. "Crystal Growth and Mounting", 2010, Webinar Speaker, Bruker AXS, <http://www.bruker-webinars.com>.
9. "Applications of X-ray Crystallographic Techniques. A tool to help answer chemical questions" R.J. Staples, *invited speaker*, NES-APS/AAPT Fall Meeting, November 2-3, 2001, The Convergence of Chemistry and Physics.
10. "Getting Crystals Your Crystallographer Will Treasure" R.J. Staples, *invited speaker*, Third Annual MIT/Bruker Symposium on Crystallographic Chemical Analysis, January 31, 1998.
11. "The Unique Chemistry of Gold(I)" R.J. Staples, Industry-University Cooperative Chemistry Program, Texas A&M University, Sept. 1994, *Outstanding Oral Presentation Winner*.
12. "Dinuclear Gold(I) Complexes: Structural Comparison of [Au₂(\square -dithiolate)(trialkylphosphine)₂] Complexes" R.J. Staples; R.M. Dávila, L.J. Kyle; C.E. Anderson; J.P. Fackler, Jr. 49th ACS Southwest Regional Meeting, October, 1993, Austin, TX, abstract # 113.

13. "Investigation of the Chemistry of Linear Trinuclear Metal Complexes, $[Au_2Pt(MTP)_4]$ and $[Au_2Pb(MTP)_4]$." R.J. Staples; R.G. Raptis; S. Wang; J.P. Fackler, Jr. 206th ACS National Meeting, Chicago, IL Aug. 1993, abstract # 561.
14. "Metal-Metal Interactions" R.J. Staples, Industry-University Cooperative Chemistry Program, Texas A&M University, Sept. 1993.
15. "Photoluminescent Properties of Mononuclear and Dinuclear Gold(I) Phosphine(Thio) Complexes: Comparison of Solid State vs. Solution State." R.J. Staples; Z. Assefa; J.P. Fackler, Jr. 48th ACS Southwest Regional Conference, Poster Session, Lubbock, TX, Oct. 1992, abstract # 174.
16. "Reaction Chemistry of Trinuclear Methylenethiophosphinate (MTP) Complexes: Anchimeric Metal Participation." R.J. Staples; T.F. Carlson; J.P. Fackler, Jr. 47th ACS Southwest Regional Conference, San Antonio, TX abstract # 150.
17. "Formation of Cu(I), Ag(I) and a Cu(I)-Ag(I) Mixed Butterfly Clusters with 2-mercatothiazoline" C.A. López; R.J. Staples; R.E.P. Winpenny; S. Wang; J.P. Fackler, Jr. and R. Lattimer(BF Goodrich) **Gordon Conference on Inorganic Chemistry**, July 1991.
18. "Structural Isomers of Diphenylphosphinate Cobalt Polymers and Formation of a Pyridine Adduct, $[Co(O_2PPh_2)_2]_n$, $[Co_2(O_2PPh_2)_4]_n$, $[Co(O_2PPh_2)Py]_n$." R.J. Staples; S.-J. Liu; J.P. Fackler, Jr. ACA Annual Meeting, University of Toledo, Toledo, Ohio, July 1991, abstract # PE11.
19. "Reactivity of Electrochemically Generated Platinum Phosphine Complexes" J.A. Davies; R.J. Staples. Sigma Xi Research Symposium, University of Toledo, Toledo, Ohio, May 1988 and May 1989.

SELECTED INVITED ACTIVITIES:

1. 2006, 2011, 2015, NSF MRI Proposal Review Board. Proposal review panels