

Books

“Chemistry – The Central Science” 14th Edition T.L. Brown, H.E. LeMay, B.E. Bursten, C.J. Murphy, P.M. Woodward, M.W. Stoltzfus, Pearson, Upper Saddle River, NJ (2018).

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“Using bond valences to model the structures of ternary and quaternary oxides”, M. W. Lufaso and P. M. Woodward in *Structure and Bonding: Bond Valences*, edited by I. D. Brown and K. R. Poeppelmeier, Springer, New York, NY (2014).

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“The electronic structure of metal oxides”, P.M. Woodward, H. Mizoguchi, Y.I. Kim, M.W. Stoltzfus in *Metal Oxides: Chemistry and Applications*, edited by J.L.G Fierro, CRC Press, Boca Raton, FL (2005).

Complete Publications List:

1. “Cs₄Cd_{1-x}Mn_xBi₂Cl₁₂ – A Vacancy Ordered Halide Perovskite Phosphor with High Efficiency Orange-Red Emission” N. P. Holzapfel, J. D. Majher, T. A. Strom, C. E. Moore, P. M. Woodward, *Chem. Mater.* (accepted).
2. “Broadband white emission in Cs₂AgIn_{1-x}Bi_xCl₆ phosphors” M. B. Gray, J. D. Majher, T. A. Strom, P. M. Woodward, *Inorg. Chem.* **58**, 13403–13410 (2019).
3. “Synthesis and reactivity of Zr MOFs assembled from P^NN^NP–Ru pincer complexes” A. A. Kassie, P. Duan, M. B. Gray, K. Schmidt-Rohr, P. M. Woodward, C. R. Wade, *Organometallics* **38**, 3419–3428 (2019).
4. “Cs₂AgBiBr_{6-x}Br_x solid solutions – Band gap engineering with halide double perovskites” M. B. Gray, E. T. McClure, P. M. Woodward, *J. Mater. Chem. C* **7**, 9686–9689 (2019).
5. “Postsynthetic metal exchange in a metal–organic framework assembled from Co(II) phosphine pincer complexes” A. A. Kassie, P. Duan, E. T. McClure, K. Schmidt-Rohr, P. M. Woodward, C. R. Wade *Inorg. Chem.* **58** 3227-3236 (2019).
6. “Cs₂NaBiCl₆:Mn²⁺ – A new orange-red halide double perovskite” J. D. Majher, M. B. Gray, T. Amanda Strom, P. M. Woodward, *Chem. Mater.* **31**, 1738-1744 (2019).

7. "Origin of magnetic excitation gap in double perovskite $\text{Sr}_2\text{FeOsO}_6$ " A. E. Taylor, R. Morrow, M. D. Lumsden, S. Calder, M. H. Upton, A. I. Kolesnikov, M. B. Stone, R. S. Fishman, A. Paramenkanti, P. M. Woodward, A. D. Christianson, *Phys. Rev. B* **98**, 214422 (2018).
8. "Negative and positive thermal expansion-like volume changes due to intermetallic charge transfer based on an ionic crystal model of transition-metal oxides" Y. Shimikawa, M. W. Lufaso, P. M. Woodward, *APL Materials* **6**, 086106 (2018).
9. "A symmetry roadmap to new perovskite multiferroics" P. M. Woodward, *Acta Cryst. A* **74**, 291–292 (2018).
10. "The crystal structure and magnetic behavior of quinary osmate and ruthenate double perovskites $\text{LaABB}'\text{O}_6$ ($A = \text{Ca, Sr}$; $B = \text{Co, Ni}$; $B' = \text{Ru, Os}$)" R. Morrow, M. A. McGuire, J. Yan, P. M. Woodward, *Inorg. Chem.* **57**, 2989–3001 (2018).
11. "Type I antiferromagnetic order in $\text{Ba}_2\text{LuReO}_6$: Exploring the role of structural distortions in double perovskites containing $5d^2$ ions" J. Xiong, J. Yan, A. A. Aczel, P. M. Woodward, *J. Solid State Chem.* **258**, 762–767 (2018).
12. "Spin-orbit coupling controlled $J = 3/2$ electronic ground state in $5d^3$ oxides" A. E. Taylor, S. Calder, R. Morrow, H. L. Feng, M. H. Upton, M. D. Lumsden, K. Yamaura, P. M. Woodward, A. D. Christianson, *Phys. Rev. Lett.* **118**, 207202 (2017).
13. " $\text{Cs}_{1-x}\text{Rb}_x\text{PbCl}_3$ and $\text{Cs}_{1-x}\text{Rb}_x\text{PbBr}_3$ solid solutions: Understanding tilting in lead halide perovskites" M. R. Linaburg, E. T. McClure, J. D. Majher, P. M. Woodward, *Chem. Mater.* **29**, 3507–3514 (2017).
14. "Thin film deposition of double perovskite oxides for multilayer device applications" A. H. Johnson, P. Morris, R. Ricciardo, P. M. Woodward, *Thin Solid Films* **622**, 48–55 (2017).
15. "Evaluating NaREMgWO_6 ($\text{RE} = \text{La, Gd, Y}$) doubly ordered double perovskites as Eu^{3+} phosphor hosts" A. R. Sharits, J. F. Khoury, P. M. Woodward, *Inorg. Chem.* **55**, 12383–12390 (2016).
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17. "Spin-orbit coupling control of anisotropy, ground state and frustration in $5d^2$ $\text{Sr}_2\text{MgOsO}_6$ " R. Morrow, A. E. Taylor, D. J. Singh, J. Xiong, S. Rodan, A. U. B. Wolter, S. Wurmehl, B. Buchner, M. B. Stone, A. I. Kolesnikov, A. A. Aczel, A. D. Christianson, P. M. Woodward, *Sci. Reports* **6**, 32462 (2016).
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19. "Structural, magnetic, and optical properties of $\text{A}_3\text{V}_4(\text{PO}_4)_6$ ($A = \text{Mg, Mn, Fe, Co, Ni}$)" S. H. Porter, J. Xiong, M. Avdeev, D. Merz, P. M. Woodward, Z. Huang, *Inorg. Chem.* **55**, 5772–5779 (2016).
20. "Epitaxial growth of iridate pyrochlore $\text{Nd}_2\text{Ir}_2\text{O}_7$ films" J. C. Gallagher, B. D. Esser, R. Morrow, S. R. Dunsiger, R. E. A. Williams, P. M. Woodward, D. W. McComb, F. Y. Yang *Scientific Reports* **6**, 22282 (2016).
21. "Magnetism in $\text{Ca}_2\text{CoOsO}_6$ and $\text{Ca}_2\text{NiOsO}_6$: Unravelling the mystery of superexchange interactions between $3d$ and $5d$ ions" R. Morrow, K. Samanta, T.

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22. "The Effect of Chemical Pressure on the Structure and Properties of A_2CrOsO_6 ($A = Sr, Ca$) Ferrimagnetic Double Perovskites" R. Morrow, J. R. Soliz, A. J. Hauser, J. C. Gallagher, M. A. Susner, M. D. Sumption, A. A. Aczel, J. Yan, F. Yang, P. M. Woodward, *J. Solid State Chem.* **238**, 46-52 (2016).
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 24. "Incorporation of gallium-68 into the crystal structure of Prussian blue to form $(KGa_xFe_{1-x})^{68}Ga[Fe(CN)_6]$ nanoparticles: Toward a novel bimodal PET/MRI imaging agent" M. S. Kandanapitiye, M. D. Gott, A. Sharits, S. S. Jurisson, P. M. Woodward, S. P. D. Huang, *Dalton Trans.* **45**, 9174-9181 (2016).
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 26. "Effects of chemical pressure on the magnetic ground states of the osmate double perovskites $SrCaCoOsO_6$ and Ca_2CoOsO_6 " R. Morrow, J. Yan, M. A. McGuire, J. W. Freeland, D. Haskel, P. M. Woodward, *Phys. Rev. B* **92**, 094435 (2015).
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