

Complete Publication List

36. Walsh, A., Butler, K. T., **Hendon, C. H.**, *MRS Bulletin*, **2016**

Chemical principles for electroactive metal-organic frameworks

35. **Hendon, C. H.***, Hunt, S. T., Milina, M., Butler, K. T., Walsh, A., Román-Leshkov, Y., *In Review*, **2016**

Realistic Surface Descriptions of Heterometallic Interfaces: The Case of TiWC Coated in Noble Metals

34. **Hendon, C. H.***, Butler, K. T., Ganose, A. M., Román-Leshkov, Y., Scanlon, D. O., Ozin, G. A., Walsh, A., *In Review*, **2016**

Electroactive nanoporous metal oxides and chalcogenides

33. **Hendon, C. H.***, Pradaux-Caggiano, F., Hatcher, L. E., Gee, W. J., Cruickshank, D. L., Wilson, C. C., Carbery, D. R., Walsh, A., Melot, B. C., *In Review*, **2016**

Magnetic Coupling in a Hybrid Mn(II) Acetylene Dicarboxylate

32. Wuttig, A., Liu, C., Peng, Q., Yaguchi, M., **Hendon, C. H.**, Motobayashi, K., Ye, S., Osawa, M., Surendranath, Y., *ACS Cent. Sci.*, **2016**, 2, 522

Tracking a Common Surface-Bound Intermediate during CO₂-to-Fuels Catalysis

31. Wahila, M. J., Butler, K. T., Lebens-Higgins, Z. W., **Hendon, C. H.**, Nandur, A. S., Treharne, R. E., Quackenbush, N. F., Sallis, S., Mason, K., Paik, H., Schlom, D. G., Woicik, J. C., Guo, J., Arena, D. A., White Jr., B. E., Watson, G. W., Walsh, A., Piper, L. F. J., *Chem. Mater.*, **2016**, 28, 4706

Lone-Pair Stabilization in Transparent Amorphous tin Oxides: A Potential Route to p-Type Conduction Pathways

30. **Hendon, C. H.***, Walsh, A., Dincă, M., *Inorg. Chem.*, **2016**, 55, 7265

Frontier orbital engineering of metal-organic frameworks with extended inorganic connectivity: Porous alkaline earth oxides

29. **Hendon, C. H.**, Walsh, A., Akiyama, N., Konno, Y., Kajiwara, T., Ito, T., Kitagawa, H., Sakai, K., *Nat. Commun.*, **2016**, 7, 11950

One-Dimensional Magnus-Type Platinum Double Salts

28. Cruickshank, D. L., **Hendon, C. H.***, Verbeek, M. J. R., Walsh, A., Wilson, C. C., *CrystEngComm*, **2016**, 18, 3456

Polymorphism of the azobenzene dye compound methyl yellow

27. Hunt, S. T., Milina, M., Alba-Rubio, A. C., **Hendon, C.H.**, Dumesic, J. A., Román-Leshkov, Y., *Science*, **2016**, 352, 974

Self-Assembly of Nobel Metal Monolayers on Transitions Metal Carbide Nanoparticle Catalysts

26. Uman, E., Colonna-Dashwood, M., Colonna-Dashwood, L., Perger, M., Klatt, C., Leighton, S., Miller, B., Butler, K. T., Melot, B. C., Speirs, R. W., **Hendon, C.H.***, *Sci. Rep.*, **2016**, 6, 24483

[Highlighted in Nature \(DOI: 10.1038/532417b\)](#)

The effect of bean origin and temperature on grinding roasted coffee

25. Nasalevich, M. A., **Hendon, C.H.**, Santaclara, J. G., Svane, K., van der Linden, B., Veber, S. L., Fedin, M. V., Houtepen, A. J., van der Veen, M. A., Kapteijn, F., Walsh, A., Gascon, J., *Sci. Rep.*, **2016**, 6, 23676

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24. **Hendon, C.H.**, Bonnefoy, J., Quadrelli, E. A., Canivet, J., Chambers, M. B., Rouse, G., Walsh, A., Fontecave, M., Mellot-Draznieks, C., *Chem. Eur. J.*, **2016**, 22, 3713

A Simple and Non-Destructive Method for Assessing Ligand Incorporation of Bipyridine Dicarboxylates as Linkers in Metal-Organic Frameworks

23. Jackson, A. J., Skelton, J. M., **Hendon, C.H.**, Butler, K. T., Walsh, A., *J. Chem. Phys.*, **2015**, 143, 184101

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Crystal structure optimization using an auxiliary equation of state

22. Kieslich, G., Kumagai, S., Butler, K. T., Okamura, T., **Hendon, C.H.**, Sun, S., Yamashita, M., Walsh, A., Cheetham, A. K., *Chem. Commun.*, **2015**, 51, 15538

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21. Sun, L., **Hendon, C.H.**, Minier, M., Walsh, A., Dincă, M., *J. Am. Chem. Soc.*, **2015**, 137, 6164

Million-Fold Electrical Conductivity Enhancement in Fe₂(DEBDC) versus Mn₂(DEBDC) (E = S, O)

20. Murray, A. T., Dowley, M. J. H., Pradaux-Caggiano, F., Baldansuren, A., Fielding, A. J., Tuna, F., **Hendon, C.H.**, Walsh, A., Lloyd-Jones, G. C., John, M. P., Carbery, D. R., *Angew. Chem. Int. Ed.*, **2015**, 127, 9125

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18. **Hendon, C.H.**, Walsh, A., *Chem. Sci.*, **2015**, 6, 3674

[‘Hot Paper’](#)

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17. **Hendon, C.H.**, Wittering, K. E., Chen, T.-H., Kaveevivitchai, W., Popov, I., Butler, K. T., Wilson, C. C., Cruickshank, D. L., Miljanić, O. Š., Walsh, A., *Nano Lett.*, **2015**, 15, 2149

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16. Protesescu, L., Yakunin, S., Bodnarchuk, M. I., Krieg, F., Caputo, R., **Hendon, C. H.**, Yang, R. X., Walsh, A., Kovalenko, M. V., *Nano Lett.*, **2015**, 15, 3692

[ACS Editor's Choice, Cover Art](#)

Nanocrystals of Cesium Lead Halide Perovskites (CsPbX₃, X=Cl, Br, and I): Novel Optoelectronic Materials Showing Bright Emission with Wide Color Gamut

15. Park, S. S., Hontz, E. R., Sun, L., **Hendon, C. H.**, Walsh, A., Van Voorhis, T., Dincă, M., *J. Am. Chem. Soc.*, **2015**, 137, 1774

Cation-Dependent Intrinsic Electrical Conductivity in Isostructural Tetrathiafulvalene-Based Microporous Metal-Organic Frameworks

14. **Hendon, C.H.**, Yang, R. X., Burton, L. A., Walsh, A., *J. Mater. Chem. A*, **2015**, 3, 9067

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12. Butler, K. T., **Hendon, C.H.**, Walsh, A., *ACS Appl. Mater. Interfaces*, **2014**, 6, 22044

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Tunable Trimers: Using Temperature and Pressure to Control Luminescent Emission in Gold(I) Pyrazolate-Based Trimers

10. Tiana, D., **Hendon, C.H.**, Walsh, A., *Chem. Commun.*, **2014**, 50, 13990

Ligand design for long-range magnetic order in metal-organic frameworks

9. **Hendon, C.H.***, Colonna-Dashwood, L., Colonna-Dashwood, M., *J. Agric. Food Chem.*, **2014**, 62, 4947

The role of dissolved cations in coffee extraction

8. Frost, J. M., Butler, K. T., Brivio, F., **Hendon, C.H.**, van Schilfgaarde, M., Walsh, A., *Nano Lett.*, **2014**, 14, 2584

Atomistic origins of high-performance in hybrid halide perovskite solar cells

7. Tiana, D., **Hendon, C.H.**, Walsh, A., Vaid, T. P., *Phys. Chem. Chem. Phys.*, **2014**, 16, 14463

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6. Butler, K. T., **Hendon, C.H.**, Walsh, A., *J. Am. Chem. Soc.*, **2014**, 136, 2703

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5. **Hendon, C.H.**, Carbery, D.R., Walsh, A., *Chem. Sci.*, **2014**, 5, 1390

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2. **Hendon, C.H.**, Tiana, D., Vaid, T. P., Walsh, A., *J. Mater. Chem. C*, **2013**, 1, 95

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Conductive metal-organic frameworks and networks: fact or fantasy?

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Colonna-Dashwood, M., **Hendon, C. H.***, **2015**, ISBN: 978-1-78280-608-0

Water For Coffee

Representative Media Coverage

The Atlantic

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