

List of Publications: Etsuko Fujita

1. Isolation and X-ray Structures of Four Rh(PCP) Complexes Including a Rh(I) Dioxygen Complex with a Short O–O Bond, Hayashi, Y.; Szalda, D. J.; Grills, D. C.; Hanson, J.; Huang, K. -W.; Muckerman, J. T.; Fujita, E. *Polyhedron* (Michelle Millar Special Issue), in revision.
2. Nickel(II) Macrocycles: Highly Efficient Electrocatalysts for the Selective Reduction of CO₂ to CO, Schneider, J.; Jia, H.; Kobiro, K.; Cabelli, D.; Muckerman, J. T.; Fujita, E. *Energy Environ. Sci.*, **2012**, ASAP, DOI: 10.1039/c2ee22528j
3. Kinetics and Thermodynamics of Small Molecule Binding to Pincer-PCP Rhodium(I) Complexes, Doherty, M. D.; Grills, D. C.; Huang, K.-W.; Muckerman, J. T.; Polyansky, D.; Fujita, E. *Inorg Chem.*, in revision.
4. Thermodynamic and Kinetic Hydricity of Ruthenium(II) Hydride Complexes, Matsubara, Y.; Fujita, E.; Doherty, M. D.; Muckerman, J. T.; Creutz, C. *J. Am. Chem. Soc.*, **2012**, ASAP, DOI: 10.1021/ja302937q
5. Carbon Dioxide Capture and Activation, Vol. 8, *Comprehensive Inorganic Chemistry II*, Jacob Schneider and Etsuko Fujita, Eds. Ken Poeppelmeier and Jan Reedijk, Elsevier, Oxford, England, **2012**, in press.
6. Calculation of Thermodynamic Hydricities and the Design of Hydride Donors for CO₂ Reduction, Muckerman, J. T.; Achord, P.; Creutz, C. A.; Fujita, E. *Proc. Nat. Acad. Sci. USA*, **2012**, ASAP, DOI: 10.1073/pnas.1201026109.
7. Exploring the Structural and Electronic Properties of Pt/Ceria-Modified TiO₂ and its Photocatalytic Activity for Water Splitting under Visible Light, Kundu, S.; Ciston, J.; Senanayake, S. D.; Arena, D.; Fujita, E.; Stacchiola, D.; Rodriguez, J. A. *J. Phys. Chem. C*, **2012**, *116*, 14062-14070.
8. Exploring the Intermediates of Photochemical CO₂ Reduction: Reaction of Re(dmb)(CO)₃COOH with CO₂, Agarwal, J.; Sanders, B. C.; Fujita, E.; Schaefer III, H. F.; Harrop, T. C.; Muckerman, J. T. *Chem. Commun.*, **2012**, 48, 6797-6799.
9. Combined Ligand Effects Enhance Iridium(III)-Catalyzed Homogeneous Hydrogenation of Carbon Dioxide in Water near Ambient Temperature and Pressure, Wang, W.-H.; Hull, J. F.; Muckerman, J. T.; Fujita, E.; Himeda, Y. *Energy Environ. Sci.*, **2012**, *5*, 7923-7926.
10. Highly Efficient D₂ Generation by Dehydrogenation of Formic Acid in D₂O via H⁺/D⁺ Exchange on Iridium Catalyst. Application to Synthesis of Deuterated Compounds by Transfer Deuteration, Wang, W.-H.; Hull, J. F.; Muckerman, J. T.; Fujita, E.; Hirose, T.; Himeda, Y. *Chem. Eur. J.* **2012**, *18*, 9397-9404.

11. Mechanisms for CO Production from CO₂ Using Re(bpy)(CO)₃X Catalysts in the Absence of Tertiary Amines, Jay Agarwal, Etsuko Fujita, Henry F. Schaefer III, James T. Muckerman, *J. Am. Chem. Soc.* **2012**, *134*, 5180-5186.
12. Thermodynamics and Kinetics of CO₂, CO and H⁺ Binding to a Metal Center of CO₂ Reduction Catalysts, Schneider, J.; Jia, H.; Muckerman, J. T.; Fujita, E. *Chem. Soc. Rev.* **2012**, *41*, 2036 – 2051.
13. Reversible Hydrogen Storage using CO₂ and a Proton-Switchable Iridium Catalyst in Aqueous Media under Mild Temperatures and Pressures, Hull, J. F.; Himeda, Y.; Wang, W.-H.; Hashiguchi, B.; Szalda, D. J.; Muckerman, J. T.; Fujita, E. *Nature Chemistry*, **2012**, *4*, 383-388.
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