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- Mixed Quantum/Classical Theory for Collisional Energy Transfer
- Computational Study of Vibrational Qubits in Ion Traps

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- Serendipity by Design: Bifunctional Catalysts for Asymmetric Carbon-Carbon Bond Formation

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- Synthetic Chemistry Relevant to Nonheme Iron Dioxygenases Involved in Bioremediation

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- Properties and Reactivity of Redox-Active N,N,N-Pincer Ligands

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- New Antibacterial Drug Target: Analyzing Inhibitor Binding to a Bacterial Metallohydrolase

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- Structure-Function Analyses of photocatalytic hybrid materials for solar energy conversion

James Kincaid* (james.kincaid@mu.edu; 288-3539)
- Looking at Fleeting Intermediates in the Reaction Cycles of Heme Proteins
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- Proteins as Molecular Machines: An NMR Perspective

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- Electronic Communication Through Cofacially-Arrayed Polybenzenoid Molecular Wires

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- Photochemically Removable Protecting Groups

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- S-Nitrosothiols: From Electronic Structure to Biological Function

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- Analytical Applications of Room Temperature Ionic Liquids
- Supramolecular Polysaccharide Composite Materials: Recyclable Synthesis and Applications

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