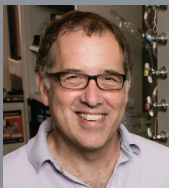


Inorganic Chemistry

Department of Chemistry
University of Illinois at Urbana-Champaign

For more information, visit
chemistry.illinois.edu



Andrew A. Gewirth

Structure and reactivity of surfaces, materials, and interfaces relevant to catalysis, electrodes, and batteries

chemistry.illinois.edu/agewirth



Gregory S. Girolami

Synthesis of transition metal and f-metal complexes and their use in catalysis, as precursors for the chemical vapor deposition of micro- and nanoelectronic devices, in energy applications, and for the reprocessing of nuclear fuel

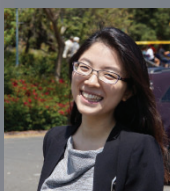
chemistry.illinois.edu/ggirolam



Damien S. Guironnet

Development and implementation of organometallic complexes as polymerization and/or depolymerization catalysts

chemistry.illinois.edu/guironne



Hee-Sun Han

Development of microfluidics & imaging technologies for systems biology; modeling the ensemble behavior of complex biological systems; imaging-based spatial omics; microfluidics-based high-resolution assays; bottom-up construction of synthetic cells

chemistry.illinois.edu/hshan



Liviu M. Mirica

Synthetic and mechanistic inorganic and organometallic chemistry applied to energy catalysis and oxidative organic transformations; study of the role of transition metal ions in neurodegenerative diseases

chemistry.illinois.edu/mirica



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also see reverse side

rev. 10/2022

Inorganic Chemistry

Other faculty with interests in
Inorganic Chemistry

Scott E. Denmark
Transition-metal and main-group chemistry

Jefferson Chan
Coordination chemistry, metal ion sensing and
PET imaging

Walter G. Klemperer (emeritus faculty)
Porous inorganic solids; polyoxometalates;
platinum chemistry; multinuclear NMR

Eric Oldfield
Metalloproteins as drug targets

Thomas B. Rauchfuss (emeritus faculty)
Synthesis and mechanistic studies of
catalysis

Stephen G. Sligar (emeritus faculty)
Nanobiotechnology; drug discovery

Kenneth S. Suslick (emeritus faculty)
Sonochemistry; sensor arrays

Wilfred A. van der Donk
Metalloenzyme catalysis

M. Christina White
Transition-metal-mediated reactions for organic
synthesis



Catherine J. Murphy

Synthesis of inorganic nanoparticles of controlled shape and size; use of inorganic nanoparticles for optical sensing and imaging with biological and environmental applications

chemistry.illinois.edu/murphycj



Lisa Olshansky

Synthesis and study of switchable coordination complexes and artificial metalloproteins for applications in energy conversion, catalysis, and biomedical imaging

chemistry.illinois.edu/lolshans



Benjamin Snyder

Synthesis and characterization of porous materials for heterogeneous catalysis and adsorptive separations; inorganic spectroscopy and electronic structure; chemistry of zeolites and metal-organic frameworks

chemistry.illinois.edu/bsnyder



Josh Vura-Weis

Femtosecond X-ray spectroscopy of catalytic reaction intermediates

chemistry.illinois.edu/vuraweis



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