

A [Top](#)

Acosta-Vigil, Antonio

Primary:

- Chemical diffusion
- Experimental petrology
- Geochemistry
- Igneous petrology
- Metamorphism, crustal melting and granite magmas
- Petrogenesis

Almeev, Renat

Primary:

- Experimental petrology
- Glasses
- Phase equilibria
- Rates and Depths of Magma Ascent on Earth (Special Collection)

Ashley, Kyle

Primary:

- melt-fluid inclusions (special collection)

B [Top](#)

Bajt, Sasa

Primary:

- Environmental mineralogy
- Spectroscopy/X-ray (including XRF, XANES, EXAFS, etc.)
- Synchrotron

Baker, Don

Primary:

- Geochemistry
- Igneous petrology

Ballmer, Maxim

Primary:

- Deep Earth
- Earth mantle (special collection)
- Plumes (special collection)

Barnes, Calvin

Primary:

- Crustal Magmas (Special Collection)

Broekmans, Maarten

Primary:

- Cement research
- Crystal chemistry
- Diffraction
- Sedimentary petrology

Brownlee, Sarah

Primary:

- Fabric and Textures
- mineral deformation mechanisms
- mineral deformation studies

C [Top](#)

Cavosie, Aaron

Primary:

Celestian, Aaron

Primary:

- Crystal chemistry
- Crystallography
- zeolites

Clynne, Michael

Primary:

- Geology and Geo-Biology of Lassen Volcanic National Park (special collection)

Colombo, Fernando

Primary:

- Crystal chemistry
- Crystallography
- Descriptive mineralogy and new mineral descriptions

Cordier, Patrick

Primary:

- TEM
- mantle deformation processes
- mineral deformation mechanisms
- rheology

D [Top](#)

Dumond, Gregory

Primary:

- Fabric and Textures
- Geochronology
- Metamorphic petrology
- Monazites/Geochronology (special collection)

Dyar, Melinda

Primary:

- Crystal chemistry
- Crystallography
- Spectroscopy/Mossbauer

E [Top](#)

Elwood Madden, Andrew

Primary:

- Clay minerals
- Environmental Geochemistry
- Environmental mineralogy
- Mineral surfaces
- Nanominerals

F [Top](#)

Fernandez-Martinez, Alejandro

Primary:

- Amorphous materials
- Biom mineralization
- Environmental mineralogy
- Mineral surfaces
- Nanominerals
- Nanoscale
- Pair distribution analysis
- Synchrotron

Fonseca, Raul

Primary:

- Experimental petrology
- Geochemistry
- Igneous petrology
- Isotope mineralogy
- Petrology

G [Top](#)

Gatta, G. Diego

Primary:

- Microporous materials: crystal-chemistry, properties, and utilizations (Special Collection)

Grangeon, Sylvain

Primary:

- Cement research

- Clay minerals
- Diffraction
- Environmental mineralogy
- Nanomaterials
- Nanomaterials and Mineral Nanoparticles (Special Collection)

Gregory, Daniel

Primary:

- Earth Science, general
- Fluids and aqueous geochemistry
- Geochemistry

H [Top](#)

Hammer, Julia

Primary:

- Volcanic Rocks (special collection)

Handley, Heather

Primary:

- Subduction Zone (Special Collection)

Harlow, Daniel

Primary:

- Apatite (Special Section)

Heimann, Robert

Primary:

- Biomaterials - mineralogy meets medicine (Special Collection)

Hetherington, Callum

Primary:

- Fabric and Textures
- Geochemistry
- Igneous petrology
- Isotope mineralogy
- Metamorphic petrology
- Monazites/Geochronology (special collection)
- Petrology

Huff, Warren

Primary:

- Clay minerals

Hummer, Daniel

Primary:

- Crystal chemistry
- Crystallography
- Deep Earth
- Diffraction
- Earth mantle (special collection)
- Fluids and aqueous geochemistry
- Geochemistry
- High pressure
- Melts
- Mineral physics

J [Top](#)

Jolliff, Bradley

Primary:

- Martian Rocks and Minerals

K [Top](#)

Kent, Adam

Primary:

- Geochemistry
- Geochronology
- Igneous petrology

Kiseeva, Kate

Primary:

- Planetary Processes as Revealed by Sulfides and Chalcophile Elements (Special Collection)

Kung, Jennifer

Primary:

- Deep Earth
- Diffraction

High pressure
Mineral physics

L [Top](#)

Lackey, Jade Star

Primary:
Isotopes, Minerals, and Petrology (Special Collection)

Lane, Melissa

Primary:
Martian Rocks and Soil
planetary geochemistry

Lesher, Charles

Primary:
Experimental petrology
Igneous petrology
Petrology

Li, Jie

Primary:
Earth in Five Reactions (Special Collection)

Liu, Haozhe

Primary:
Diffraction
High pressure
Mineral physics
Nanominerals
Phase transitions
Synchrotron
Ultra-high pressure techniques

London, David

Primary:
Chemical diffusion
Experimental petrology
Fabric and Textures
Gems
Glasses
Melts
Mineral occurrences and deposits
Pegmatites
Phase relations

Lotti, Paolo

Primary:
Microporous materials: crystal-chemistry, properties, and utilizations (Special Collection)

M [Top](#)

Mavris, Christian

Primary:
Earth Analogs (Special Collection)

McHenry, Lindsay

Primary:
Clay minerals
Diffraction
Geology and Geo-Biology of Lassen Volcanic National Park (special collection)
Martian Rocks and Soil
Mineralogy

Mercadier, Julien

Primary:
Nuclear materials (special collection)

Mercer, Celestine

Primary:
From Magmas to Ore Deposits(Special Collection)

Mookherjee, Mainak

Primary:
Compressibility
Computational crystallography
Crystal chemistry
High pressure

- Mineral physics
- Planetary materials
- density functional theory (DFT)

Morgan, Dan

Primary:
Dynamics of magmatic processes (Special Collection)

Morizet, Yann

Primary:
Amorphous Materials (special collection)
Amorphous materials
Experimental petrology
Glasses
High pressure
Melts
NMR
Spectroscopy/Raman
rheology
volcanic process (special collection)

Mueller, Thomas

Primary:
Experimental petrology
Geochemical Transport (special collection)
Isotope mineralogy
Metamorphic petrology
Petrology

N [Top](#)

Neuville, Daniel

Primary:
Amorphous Materials (special collection)
Glasses
lava
magma

P [Top](#)

Penniston-Dorland, Sarah

Primary:
Fluids and aqueous geochemistry

Petrelli, Maurizio

Primary:
Dynamics of magmatic processes (Special Collection)

Piazolo, Sandra

Primary:
mineral deformation studies

R [Top](#)

Refson, Keith

Primary:
Mineral physics
density functional theory (DFT)

Roberge, Julie

Primary:
From Magmas to Ore Deposits(Special Collection)
Geochemistry
Igneous petrology
Subduction Zone (Special Collection)
Volcanic Rocks (special collection)
melt-fluid inclusions (special collection)

S [Top](#)

Simon, Steven

Primary:
Meteorites
Planetary materials
planetary geochemistry

Singer, David

Primary:
Environmental Geochemistry
Fluids and aqueous geochemistry

Mineral surfaces
Nanominerals and Mineral Nanoparticles (Special Collection)

Sinmyo, Ryosuke

Primary:
Physics and Chemistry of Earths Deep Mantle and Core (Special Collection)

Sobron, Pablo

Primary:
Earth Analogs (Special Collection)

Speziale, Sergio

Primary:
Deep Earth
Diffraction
High pressure
Mineral physics
Pair distribution analysis

Stalder, Roland

Primary:
Water in nominally hydrous and anhydrous minerals (Special Collection)

Straub, Susanne

Primary:
Subduction Zone (Special Collection)

Swainson, Ian

Primary:
Crystallography
Diffraction
Mineral physics
Nuclear materials (special collection)
Pair distribution analysis
Phase transitions

T [Top](#)

Teng, Fang-Zhen

Primary:
Geochemistry
Igneous petrology
Isotope mineralogy
Metamorphic petrology
Planetary materials

Till, Christy

Primary:
Experimental petrology
Igneous petrology
Nanoscale
Petrogenesis
Phase relations
magma
planetary geochemistry
volcanic petrology

Tomascak, Paul

Primary:
Geochemistry
Isotope mineralogy
Pegmatites
Petrogenesis

Tschauner, Oliver

Primary:
Compressibility
Crystal chemistry
Crystal-structure determinations
Deep Earth
Diffraction
High pressure
Meteorites
Planetary materials
Synchrotron
Ultra-high pressure techniques

W [Top](#)

Watson, E.

Primary:

Olivine petrology (special collection)

Watson, Heather

Primary:

Building Planets (special collection)

Williams, Lynda

Primary:

Clay minerals

Environmental Geochemistry

Geochemistry

Isotope mineralogy

Mineral surfaces

Nanominerals

Sedimentary petrology

X [Top](#)

Xu, Hongwu

Primary:

Crystal-structure determinations

Crystallography

Diffraction

Gems

Thermodynamics

Xu, Jie

Primary:

Amorphous materials

Crystal chemistry

Environmental Geochemistry

Environmental mineralogy

Fluids and aqueous geochemistry

Martian Rocks and Soil

Mineral surfaces

Mineralogy

Nanominerals

Nanominerals and Mineral Nanoparticles (Special Collection)

Z [Top](#)

Zellmer, Georg

Primary:

Crystal chemistry

Geochemistry

Geochronology

Igneous petrology

Melts

Mineralogy

Petrogenesis

Rare earth elements

Rates and Depths of Magma Ascent on Earth (Special Collection)

volcanic petrology