

A

Abdu, Yassir

Primary:

- Meteorites
- Planetary materials
- Spectroscopy/Infrared
- Spectroscopy/Mossbauer
- Spectroscopy/Raman

Acosta-Vigil, Antonio

Primary:

- Experimental petrology
- Geochemistry
- High-grade metamorphism, anatexis, and granite magmatism (special collection)
- Petrology

Almeev, Renat

Primary:

- Glasses and melts
- Rates and Depths of Magma Ascent on Earth

B

Bishop, Janice

Primary:

- Earth Analogs (Special Collection)
- Planetary geochemistry

Broekmans, Maarten

Primary:

- Cement and concrete
- Imaging/Electron microscopy (TEM, SEM, STEM, back-scattered electron imaging, Cathodoluminescence, etc.)
- Sedimentary petrology

Brownlee, Sarah

Primary:

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

Bucholz, Claire

Primary:

- Electron microprobe analysis
- Geochemistry
- Geochronology
- Geology
- High-grade metamorphism, anatexis, and granite magmatism (special collection)

Igneous petrology
Isotope geochemistry
Metamorphic petrology
Metamorphism, crustal melting and granite magmas
Petrology

C

Cannatelli, Claudia

Primary:

Experimental petrology
Melt-fluid inclusions (special collection)
Petrology
Volcanic process

D

De Gregorio, Bradley

Primary:

Origins of Our Solar System and Its Organic Compounds (Special Collection)

Demouchy, Sylvie

Primary:

Mantle
Mantle deformation processes
Olivine
Physics and Chemistry of Earths Deep Mantle and Core (Special Collection)
Rates and Depths of Magma Ascent on Earth
Transport properties
Water in nominally hydrous and anhydrous minerals (Special Collection)

Dolejs, David

Primary:

Experimental petrology
High temperature
Ore deposits and their minerals
Thermodynamics

Dorfman, Susannah

Primary:

Compressibility
Deep Earth
Diffraction
High pressure
High temperature
Mineral physics
Phase equilibria
Phase transitions
Synchrotron
Ultra-high pressure techniques

dos Santos, Antonio

Primary:

Advances in Ultrahigh-Pressure Metamorphism
Compressibility
Crystal-structure determinations
Diffraction
High pressure
Mineral physics
Novel applications of apparatus and technique
Spectroscopy/Elastic Scattering/Neutron diffraction
Spectroscopy/Elastic Scattering/X-ray diffraction
Ultra-high pressure techniques

G

Gatta, G. Diego

Primary:

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

Geiger, Charles

Primary:

Spectroscopy/Infrared
Thermodynamics
Water in nominally hydrous and anhydrous minerals (Special Collection)

Gregory, Daniel

Primary:

Earth Science, general
Fluids and aqueous geochemistry

Geochemistry
Paleo-Ocean Proxies (Special Collection)

Grew, Edward

Primary:
Lithium, beryllium and boron (Special Collection)

H

Harlov, Daniel

Primary:
Apatite
Experimental petrology
Fluids and aqueous geochemistry
Metamorphic petrology
Meteorites
Mineralogy
Monazites/Geochronology
Petrology
Planetary materials
Rare earth elements

Hetherington, Callum

Primary:
Fabric and Textures
Geochemistry
Igneous petrology
Isotope mineralogy
Metamorphic petrology
Monazites/Geochronology
Petrology

Huff, Warren

Primary:
Clay minerals

Hummer, Daniel

Primary:
Crystal chemistry
Crystallography
Deep Earth
Diffraction/X-ray diffraction
Mantle
Mineral chemistry
Mineral physics
Nanominerals
Nucleation and growth

J

Jing, Zhicheng

Primary:
Deep Earth
High pressure
Melts
Mineral physics
Physics and Chemistry of Earths Deep Mantle and Core (Special Collection)

K

Kiseeva, Ekaterina (Kate)

Primary:
Deep Earth
Experimental petrology
Geochemistry
High pressure
High temperature
Igneous petrology
Mantle
Petrology
Planetary processes
Sulfides

Kung, Jennifer

Primary:
Crystal chemistry
High pressure
Mineral chemistry
Physics and Chemistry of Earths Deep Mantle and Core (Special Collection)

L

Lackey, Jade Star

Primary:

Isotopes, Minerals, and Petrology (Special Collection)

Leshner, Charles

Primary:

Igneous petrology

Lotti, Paolo

Primary:

Crystallography

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

Mineralogy

Physics and Chemistry

Zeolites

Lussier, Aaron

Primary:

Crystal chemistry

Crystal-structure determinations

Crystallography

Descriptive mineralogy and new minerals

Diffraction/X-ray diffraction

Electron microprobe analysis

Environmental geochemistry

Imaging/Electron microscopy (TEM, SEM, STEM, back-scattered electron imaging, Cathodoluminescence, etc.)

Mineral chemistry

Mineral nanoparticles

M

McHenry, Lindsay

Primary:

Clay minerals

Diffraction

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

Martian Rocks and Soil

Mineralogy

Planetary geochemistry

Planetary materials

Planets

Zeolites

Mookherjee, Mainak

Primary:

Clay minerals

Crystal chemistry

Crystallography

First principle calculations

Glasses and melts

High pressure

Water in nominally hydrous and anhydrous minerals (Special Collection)

Morizet, Yann

Primary:

Amorphous materials

Glasses and melts

Rheology

Volcanic process

Mueller, Thomas

Primary:

Experimental petrology

Geochemical transport

Metamorphic petrology

N

Nestola, Fabrizio

Primary:

Compressibility

Crystal chemistry

Crystal-structure determinations

Crystallography

Deep Earth

Descriptive mineralogy and new mineral descriptions

- Diffraction
- Mineral physics
- Mineralogy
- Physics and Chemistry

Neuville, Daniel

Primary:

- Amorphous materials
- Glasses and melts
- Magma
- Thermodynamics

P

Parker, Eric

Primary:

- Origins of Our Solar System and Its Organic Compounds (Special Collection)

Peck, William

Primary:

- Isotopes, Minerals, and Petrology (Special Collection)

Peslier, Anne

Primary:

- Igneous petrology
- Planetary geochemistry
- Spectroscopy/Infrared
- Volatile Elements in Differentiated Planetary Interiors (Special Collection)

Petrelli, Maurizio

Primary:

- Dynamics of magmatic processes
- Igneous petrology
- Rates and Depths of Magma Ascent on Earth
- Volcanic petrology

Petrone, Chiara Maria

Primary:

- Dynamics of magmatic processes (Special Collection)
- Geochemistry
- Igneous petrology
- Petrogenesis
- Volcanic petrology

R

Redfern, Simon

Primary:

- Compressibility
- Crystal chemistry
- Crystal-structure determinations
- Crystallography
- Deep Earth
- Diffraction
- Pair distribution analysis
- Phase transitions
- Spontaneous strain analyses
- Synchrotron

Roberge, Julie

Primary:

- From Magmas to Ore Deposits(Special Collection)
- Geochemistry
- Igneous petrology
- Melts
- Petrogenesis
- Rates and Depths of Magma Ascent on Earth
- Volcanic petrology
- Volcanic process

S

Schaen, Allen

Primary:

- Geochemistry
- Geochronology
- Igneous petrology
- Isotopes, Minerals, and Petrology (Special Collection)
- Magma
- Melts

Subduction zone
Volcanic petrology
Volcanic process

Simon, Steven

Primary:
Planetary geochemistry

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

Steele-MacInnis, Matthew

Primary:
Fluids and aqueous geochemistry

T

Teng, Fang-Zhen

Primary:
Geochemistry
Igneous petrology
Isotope mineralogy
Metamorphic petrology
Planetary materials

Thompson, Elizabeth

Primary:
Compressibility
Deep Earth
Diffraction
High pressure
Mineral physics
Volatile Elements in Differentiated Planetary Interiors (Special Collection)

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

Wallace, Adam

Primary:
Biomineralization
Crystallography
Density functional theory (DFT)
Environmental geochemistry
Nucleation and growth

Wang, Jianwei

Primary:
Biomineralization
Clay minerals
Crystallography
Mineral surfaces

Nuclear materials

Watson, Heather

Primary:

Planets

Wu, Di

Primary:

Calorimetry

Clay minerals

Mineral surfaces

Thermal analysis

Thermodynamics

Zeolites

X

Xu, Jie

Primary:

Amorphous materials

Biomineralization

Diffraction/Electron diffraction

Environmental geochemistry

Environmental mineralogy

Nanomaterials

Nucleation and growth

Spectroscopy/NMR

Sulfides

Water in nominally hydrous and anhydrous minerals (Special Collection)