

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)

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
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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

D	Top
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Demouchy, Sylvie

Primary:

Earth mantle (special collection)

Experimental petrology

Olivine petrology (special collection)

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

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

Understanding of Reaction and Deformation Microstructures (Special

Collection)

Water in nominally hydrous and anhydrous minerals (Special Collection)
mantle deformation processes
mineral deformation mechanisms
transport properties

Dumond, Gregory

Primary:

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

Dyar, Melinda

Primary:

Crystal chemistry
Crystallography
Spectroscopy/Mossbauer

E	Top
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Elwood Madden, Andrew

Primary:

Clay minerals
Environmental Geochemistry
Environmental mineralogy
Mineral surfaces
Nanominerals

F	Top
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Fernandez-Martinez, Alejandro

Primary:

Amorphous materials
Biomineralization
Environmental mineralogy
Mineral surfaces
Nanominerals
Nanoscale
Pair distribution analysis
Synchrotron

G	Top
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Gatta, G. Diego

Primary:

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

Grangeon, Sylvain

Primary:

Cement research

Clay minerals

Diffraction

Environmental mineralogy

Nanominerals

Nanominerals and Mineral Nanoparticles (Special Collection)

Gregory, Daniel

Primary:

Earth Science, general

Fluids and aqueous geochemistry

Geochemistry

H	Top
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Hammer, Julia

Primary:

Volcanic Rocks (special collection)

Handley, Heather

Primary:

Subduction Zone (Special Collection)

Harlov, 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
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Jing, Zhicheng

Primary:

Deep Earth

High pressure

Melts

Mineral physics

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

K	Top
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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
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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, jackie

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
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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
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Neuville, Daniel

Primary:

Amorphous Materials (special collection)
Glasses
lava
magma

P	Top
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Peck, William

Primary:

Isotopes, Minerals, and Petrology (Special Collection)

Penniston-Dorland, Sarah

Primary:

Fluids and aqueous geochemistry
Fluids in the Crust (special collection)
Geochemistry
Metamorphic petrology

Peslier, Anne

Primary:

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

Petrelli, Maurizio

Primary:

Dynamics of magmatic processes (Special Collection)

Piazolo, Sandra

Primary:

mineral deformation studies

R	Top
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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
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Teng, Fang-Zhen

Primary:

Geochemistry
Igneous petrology
Isotope mineralogy
Metamorphic petrology
Planetary materials

Thompson, Elizabeth

Primary:

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

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
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Watson, E.
Primary:
Olivine petrology (special collection)

Watson, Heather
Primary:
Building Planets (special collection)

X	Top
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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)