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Specialities by Associate Editors Report

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

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)

Bolfan-Casanova, Nathalie

Primary:

- Water in nominally hydrous and anhydrous minerals (Special Collection)

Broekmans, Maarten

Primary:

- Cement research
- Crystal chemistry
- Diffraction
- Sedimentary petrology

Brownlee, Sarah

Primary:

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



Burns, Peter

Primary:

Nuclear materials (special collection)

C [Top](#)

Celestian, Aaron

Primary:

Crystal chemistry

Crystallography

zeolites

Clynnne, 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

Cuadros, Javier

Primary:

Earth Analogs (special collections)

D [Top](#)

Des Marais, David

Primary:

Geochemistry

Martian Rocks and Minerals: Perspectives from Rovers, Orbiters, and Meteorites (Special Collection)

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](#)

Farrand, William

Primary:

Martian Rocks and Minerals: Perspectives from Rovers, Orbiters, and Meteorites (Special Collection)

Fernandez-Martinez, Alejandro

Primary:

Amorphous materials

Biomineralization

Environmental mineralogy

Mineral surfaces

Nanominerals

Nanoscale

Pair distribution analysis

Synchrotron



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
Nanominerals
Nanominerals and Mineral Nanoparticles (Special Collection)

Gunter, Mickey

Primary:

MHB (minerals in the human body special collection)

H [Top](#)

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](#)

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)

Kojitani, Hiroshi

Primary:

Spinel renaissance (special collection)

Kovacs, Istvan

Primary:

Clay minerals
Experimental petrology
Petrology
Spectroscopy/Infrared
Synchrotron
Water in nominally hydrous and anhydrous minerals (Special Collection)

Kung, Jennifer

Primary:

Deep Earth
Diffraction
High pressure
Mineral physics

L

[Top](#)

Lane, Melissa

Primary:

Martian Rocks and Soil
planetary geochemistry

Leshner, Charles

Primary:

Experimental petrology
Igneous petrology
Petrology

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](#)

McHenry, Lindsay

Primary:

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

Meeker, Gregory

Primary:

MHB (minerals in the human body special collection)

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)

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)

Petrone, Chiara Maria

Primary:

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

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, Steve

Primary:
 Meteorites
 Planetary materials
 planetary geochemistry

Singer, David

Primary:
 Environmental Geochemistry
 Fluids and aqueous geochemistry
 Mineral surfaces
 Nanominerals and Mineral Nanoparticles (Special Collection)

Sobron, Pablo

Primary:
 Earth Analogs (special collections)

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

V [Top](#)

Vielzeuf, Daniel

Primary:

- Biominalization
- Nanomaterials
- Nanoscale

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
- Nanomaterials
- 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
- Nanomaterials
- Nanomaterials 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