GEOCHIMICA ET COSMOCHIMICA ACTA
Journal of The Geochemical Society and The Meteoritical Society

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DESCRIPTION

*Geochimica et Cosmochimica Acta* publishes research papers in a wide range of subjects in terrestrial geochemistry, meteoritics, and planetary geochemistry. The scope of the journal includes:

1. Physical chemistry of gases, aqueous solutions, glasses, and crystalline solids
2. Igneous and metamorphic petrology
3. Chemical processes in the atmosphere, hydrosphere, biosphere, and lithosphere of the Earth
4. Organic geochemistry
5. Isotope geochemistry
6. Meteoritics and meteorite impacts
7. Lunar science; and
8. Planetary geochemistry.

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AUDIENCE

Geochemists, including Terrestrial, Planetary and Meteoritical Geochemists and Oceanographers.

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Maud Boyet, Centre National de la Recherche Scientifique (CNRS), Clermont-Ferrand, France
Jochen Brooks, Australian National University, Canberra, Australia
Robert Byrne, University of South Florida, St. Petersburg, USA
Andrew Campbell, University of Chicago, Chicago, USA
Experimental geochemistry both at low and high temperatures, geochemistry of magmatic-hydrothermal metal deposits, thermodynamic modeling of geological fluids and water-mineral interactions, speciation and partitioning of chemical elements and their isotopes in mineral-fluid-vapor-melt systems, and in-situ spectroscopic approaches (in particular X-ray absorption and fluorescence, and Raman spectroscopy).

**Eric Quirico**, Université Joseph Fourier (Grenoble I), Grenoble Cedex 9, France

Cosmochemistry - meteorites - interplanetary dusts - comets - asteroids - organic matter - ices - Raman spectroscopy - Infrared spectroscopy

**Mark Rehkamper**, Imperial College London, London, UK

**Edward Ripley**, Indiana University, Bloomington, USA

**Claire Rolliion-Bard**, Institut de Physique du Globe de Paris, Paris, France

**Sara Russell**, Natural History Museum, London, UK

**Edwin Schauble**, University of California at Los Angeles (UCLA), Los Angeles, USA

**Silke Severmann**, Rutgers University, New Brunswick, USA

**Timothy Shaw**, University of South Carolina, Columbia, USA

**David Shuster**, University of California at Berkeley, Berkeley, USA

**Daniel Sinclair**, Victoria University of Wellington, Wellington, New Zealand

Paleoceanographic reconstruction using tropical corals and deep sea corals, Paleoclimate reconstruction using speleothems, Pacific oceanography and climate over the last 100,000 years, Biomineralization, especially of corals, Carbonate geochemistry: trace element and isotope systematics, geochemical modelling, Mass spectrometry method development: ICP-MS, especially laser-ablation

**Orit Sivan**, Ben-Gurion University of the Negev, Be'er Sheva, Israel

Methane, AOM, stable isotope, redox, porewater, groundwater, interface, early diagenesis

**Carl Steefel**, Lawrence Berkeley National Laboratory, Berkeley, USA

**Brian Stewart**, University of Pittsburgh, Pittsburgh, USA

**Claudine Stirling**, University of Otago, Dunedin, New Zealand

**Andreas Stracke**, Westfälische Wilhelms-Universität Münster, Munster, Germany

**Weidong Sun**, Chinese Academy of Sciences (CAS), Guangzhou, China

**Fang-Zhen Teng**, University of Washington, Seattle, USA

Isotope geochemistry of metals (e.g., Li, Mg, Fe, Cu, Zn etc.); composition and evolution of the continental crust and mantle; global elemental cycling; origin of the early solar system; MC-ICPMS

**Mike Toplis**, Observatoire Midi-Pyrenees, Toulouse, France

**Christophe Tournassat**, BRGM, Orléans, France

**Tina Van de Flierdt**, Imperial College London, UK

**Wim van Westeren**, VU University, Amsterdam, Netherlands

**Mario Villalobos**, Universidad Nacional Autónoma de México (UNAM), Coyoacan, Mexico

Environmental geochemistry; surface chemistry of environmental colloids and nanoparticles; surface complexation modeling; mineral-water interface geochemistry; environmental molecular geochemistry; soil chemistry; water chemistry

**Thomas Wagner**, Newcastle University, Newcastle Upon Tyne, UK

Global biogeochemical cycles; Greenhouse oceans; Late Quaternary climate; Tropical rainforests; Atmosphere-Land-ocean coupling; Paleoceanography/Paleoclimatology; Black shale; Unconventional petroleum resources; Terrestrial organic carbon; Organic geochemistry;

**Richard Walker**, University of Maryland, College Park, USA

**Dominik Weiss**, Imperial College London, London, UK

**Josef Werne**, University of Pittsburgh, Pittsburgh, USA

**Stefan Weyer**, Gottfried Wilhelm Leibniz Universität Hannover, Hannover, Germany

**Jan Wiederhold**, University of Vienna, Vienna, Austria

**Qingzhu Yin**, University of California, Davis, Davis, USA

Cosmochemistry, Meteoritics, Early Solar System, Planet Formation, Core Formation, Isotope Geochemistry, Nucleosynthesis, Isotope Anomalies, Mass Independent Isotope Fractionation, Extinct Radioactivity.

**Chen Zhu**, Indiana University, Bloomington, USA

**Editorial Assistant**

M.A. O’Donnell

**Journal Manager**

AUTHOR INFORMATION PACK 7 Sep 2017 www.elsevier.com/locate/gca
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3. Chemical processes in the atmosphere, hydrosphere, biosphere, and lithosphere of the Earth
4. Organic geochemistry
5. Isotope geochemistry
6. Meteoritics and meteorite impacts
7. Lunar science; and
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