



## Flotation Chemistry

Guest Editors:

**Prof. Dr. Yuehua Hu**

School of Minerals Processing  
and Bioengineering, Central  
South University, Changsha  
410083, China

**Prof. Dr. Zhiyong Gao**

School of Minerals Processing  
and Bioengineering, Central  
South University, Changsha  
410083, China

Deadline for manuscript  
submissions:

**closed (31 January 2018)**

### Message from the Guest Editors

Dear Colleagues,

We invite contributions to this Special Issue on aspects listed in the keywords, covering recent advances and innovations in flotation chemistry, which will be of direct interest to researchers and practitioners in the mineral processing field. Contributions reporting on mineral surface chemistry, the development and design of novel reagents, and mechanism exploration of mineral/reagent interactions using advanced tools and instruments, are especially welcome.

Keywords

- Minerals (sulfide oxides, silicates, sparingly soluble minerals, iron minerals, rare earth minerals, etc.)
- Mineral chemistry (surface reactivity, surface broken bonds, surface energy, wettability, surface hydration, surface charge, etc.)
- Reagents (collectors, depressants, dispersants, etc.)
- Reagent chemistry (QSAR, molecular design, assembly, etc.)
- Mineral/reagent interaction (molecular dynamics simulation, quantum chemistry simulation, AFM, XPS, QCM-D, SFG, etc.)
- Flotation

Dr. Zhiyong Gao  
Prof. Yuehua Hu  
*Guest Editors*





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## Editor-in-Chief

**Prof. Dr. Leonid Dubrovinsky**  
Bayerisches Geoinstitut,  
University Bayreuth, D-95440  
Bayreuth, Germany

## Message from the Editor-in-Chief

*Minerals* welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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## Contact Us

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*Minerals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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