



Jakub Plášil, Jiří Sejkora

Foreword to the thematic set on 'Uranium: mineralogy, crystallography and geochemistry.
A special issue honoring the 85th birthday of Jiří Čejka' 97

Jakub Plášil

Oxidation–hydration weathering of uraninite: the current state-of-knowledge 99

Sergey V. Krivovichev

$K_2Na_8(UO_2)_8Mo_4O_{24}[(S,Mo)O_4]$, the first uranium molybdosulfate: synthesis, crystal structure,
and comparison to related compounds 115

Vladislav V. Gurzhiy, Olga S. Tyumentseva, Ilya V. Korniyakov, Sergey V. Krivovichev, Ivan G. Tananaev

The role of potassium atoms in the formation of uranyl selenates: the crystal structure and synthesis
of two novel compounds 123

Sergey V. Krivovichev, Peter C. Burns

The modular structure of the novel uranyl sulfate sheet in $[Co(H_2O)_6]_3[(UO_2)_5(SO_4)_8(H_2O)](H_2O)_5$ 135

Jakub Plášil, Anthony R. Kampf, Anatoly V. Kasatkin, Joe Marty

Bluelizardite, $Na_7(UO_2)_4(SO_4)_4Cl(H_2O)_2$, a new uranyl sulfate mineral from the Blue Lizard mine,
San Juan County, Utah, USA 145

