Chemical Reviews

February 13, 2013 Volume 113, Issue 2 Pages 855-1312

REVIEWS

Radiometals for Combined Imaging and Therapy

Cathy S. Cutler, Heather M. Hennkens, Nebiat Sisay, Sandrine Huclier-Markai, and Silvia S. Jurisson

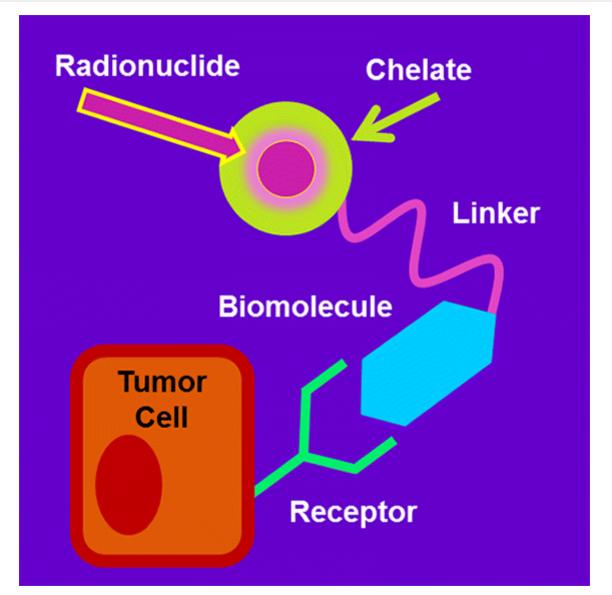
pp 858-883

Publication Date (Web): November 30, 2012 (Review)

DOI: 10.1021/cr3003104

Generation:

Radiation Biochemistry



Nuclear Forensic Science: Correlating Measurable Material Parameters to the History of Nuclear Material

Klaus Mayer, Maria Wallenius, and Zsolt Varga

pp 884-900

Publication Date (Web): November 29, 2012 (Review)

DOI: 10.1021/cr300273f

Consection:

Toxicology



Figure 1 of 17

Recent Advances in Aqueous Actinide Chemistry and Thermodynamics

Marcus Altmaier, Xavier Gaona, and Thomas Fanghänel

pp 901-943

Publication Date (Web): January 31, 2013 (Review)

DOI: 10.1021/cr300379w

Gestion:

Phase Equilibriums, Chemical Equilibriums, and Solutions

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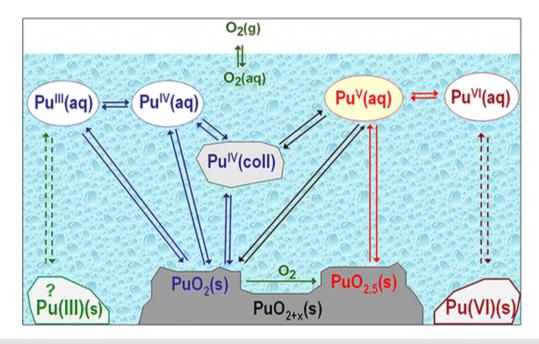


Figure 1 of 53

Solution and Solid-State Structural Chemistry of Actinide Hydrates and Their Hydrolysis and Condensation Products

Karah E. Knope and L. Soderholm

pp 944-994

Publication Date (Web): October 29, 2012 (Review)

DOI: 10.1021/cr300212f

Gestion:

Inorganic Chemicals and Reactions

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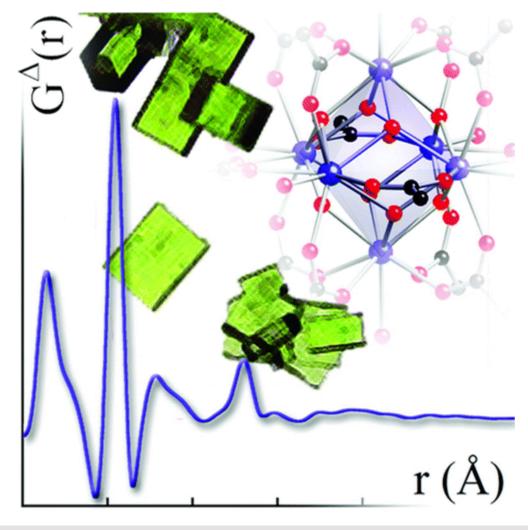


Figure 1 of 46

Actinide Colloids and Particles of Environmental Concern

Clemens Walther and Melissa A. Denecke

pp 995-1015

Publication Date (Web): January 15, 2013 (Review)

DOI: 10.1021/cr300343c

Consection:

Nuclear Technology

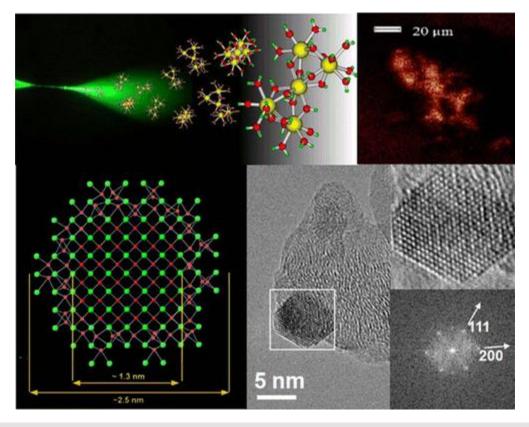


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Mineral–Water Interface Reactions of Actinides

Horst Geckeis, Johannes Lützenkirchen, Robert Polly, Thomas Rabung, and Moritz Schmidt

pp 1016-1062

Publication Date (Web): January 31, 2013 (Review)

DOI: 10.1021/cr300370h

Consection:

Nuclear Technology

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Density Functional Theory Studies of the Electronic Structure of Solid State Actinide Oxides

Xiao-Dong Wen, Richard L. Martin, Thomas M. Henderson, and Gustavo E. Scuseria

pp 1063-1096

Publication Date (Web): December 19, 2012 (Review)

DOI: 10.1021/cr300374y

Generation:

General Physical Chemistry

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Clusters of Actinides with Oxide, Peroxide, or Hydroxide Bridges

Jie Qiu and Peter C. Burns

pp 1097-1120

Publication Date (Web): October 24, 2012 (Review)

DOI: 10.1021/cr300159x

GGSection:

Inorganic Chemicals and Reactions

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Uranyl Bearing Hybrid Materials: Synthesis, Speciation, and Solid-State Structures

Michael B. Andrews and Christopher L. Cahill

pp 1121-1136

Publication Date (Web): August 10, 2012 (Review)

DOI: 10.1021/cr300202a

GGSection:

Inorganic Chemicals and Reactions

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Recent Developments in Synthesis and Structural Chemistry of Nonaqueous Actinide Complexes

Matthew B. Jones and Andrew J. Gaunt

pp 1137-1198

Publication Date (Web): November 7, 2012 (Review)

DOI: 10.1021/cr300198m

Generation:

Inorganic Chemicals and Reactions

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Complexation and Extraction of Trivalent Actinides and Lanthanides by Triazinylpyridine *N*-Donor Ligands

Petra J. Panak and Andreas Geist

pp 1199-1236

Publication Date (Web): January 29, 2013 (Review)

DOI: 10.1021/cr3003399

Constant Section:

Phase Equilibriums, Chemical Equilibriums, and Solutions

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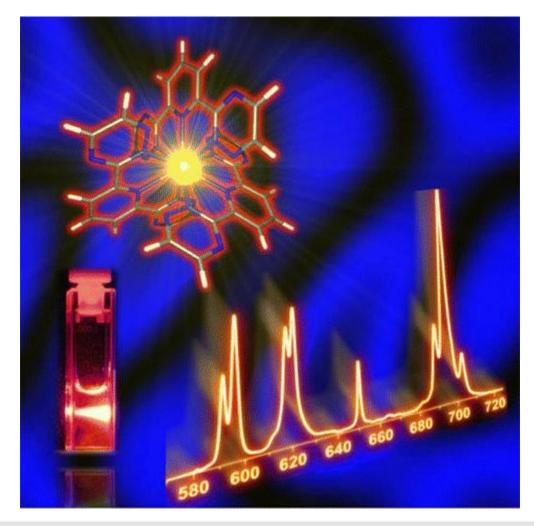


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Advances in the Production and Chemistry of the Heaviest Elements

Andreas Türler and Valeria Pershina

pp 1237-1312

Publication Date (Web): February 13, 2013 (Review)

DOI: 10.1021/cr3002438

Generation:

Nuclear Phenomena

