Reactive Transport in Natural and Engineered Systems

85 *Reviews in Mineralogy and Geochemistry* **85**

TABLE OF CONTENTS

1 Reactive Transport at the Crossroads

Carl I. Steefel

Unauthenticated
Download Date | 2/24/20 7:30 AM

2 Multiscale Approaches in Reactive Transport Modeling

Sergi Molins, Peter Knabner

3 Modeling Reactive Transport Processes in Fractures

Hang Deng, Nicolas Spycher

Unauthenticated
Download Date | 2/24/20 7:30 AM

4 Reactive Transport Modeling of Coupled Processes in Nanoporous Media

Christophe Tournassat, Carl I. Steefel

5 Mixing and Reactive Fronts in the Subsurface

Massimo Rolle, Tanguy Le Borgne

Unauthenticated
Download Date | 2/24/20 7:30 AM

6 Multiphase Multicomponent Reactive Transport and Flow Modeling

Irina Sin, Jérôme Corvisier

7 Reactive Transport in Evolving Porous Media

Nicolas Seigneur, K. Ulrich Mayer, Carl I. Steefel

Unauthenticated
Download Date | 2/24/20 7:30 AM

8 Stable Isotope Fractionation by Transport and Transformation

Jennifer L. Druhan, Matthew J. Winnick, Martin Thullner

Unauthenticated
Download Date | 2/24/20 7:30 AM

9 Microbial Controls on the Biogeochemical Dynamics in the Subsurface

Martin Thullner, Pierre Regnier

10 Understanding and Predicting Vadose Zone Processes

Bhavna Arora, Dipankar Dwivedi, Boris Faybishenko, Raghavendra B. Jana, Haruko M. Wainwright

Unauthenticated
Download Date | 2/24/20 7:30 AM

11 Abiotic and Biotic Controls on Soil Organo–Mineral Interactions: Developing Model Structures to Analyze Why Soil Organic Matter Persists

Dipankar Dwivedi, Jinyun Tang, Nicholas Bouskill, Katerina Georgiou, Stephany S. Chacon, William J. Riley

Unauthenticated
Download Date | 2/24/20 7:30 AM

12 Reactive Transport Processes that Drive Chemical Weathering: From Making Space for Water to Dismantling Continents

Kate Maher, Alexis Navarre-Sitchler

13 Watershed Reactive Transport

Li Li

Unauthenticated
Download Date | 2/24/20 7:30 AM

14 RTM for Waste Repositories

Olivier Bildstein, Francis Claret, Pierre Frugier

15 Acid Water–Rock–Cement Interaction and Multicomponent Reactive Transport Modeling

Jordi Cama, Josep M. Soler, Carles Ayora

Unauthenticated
Download Date | 2/24/20 7:30 AM

16 Industrial Deployment of Reactive Transport Simulation: An Application to Uranium *In situ* Recovery

Vincent Lagneau, Olivier Regnault, Michaël Descostes

RiMG Series

Unauthenticated
Download Date | 2/24/20 7:30 AM

Unauthenticated
Download Date | 2/24/20 7:30 AM