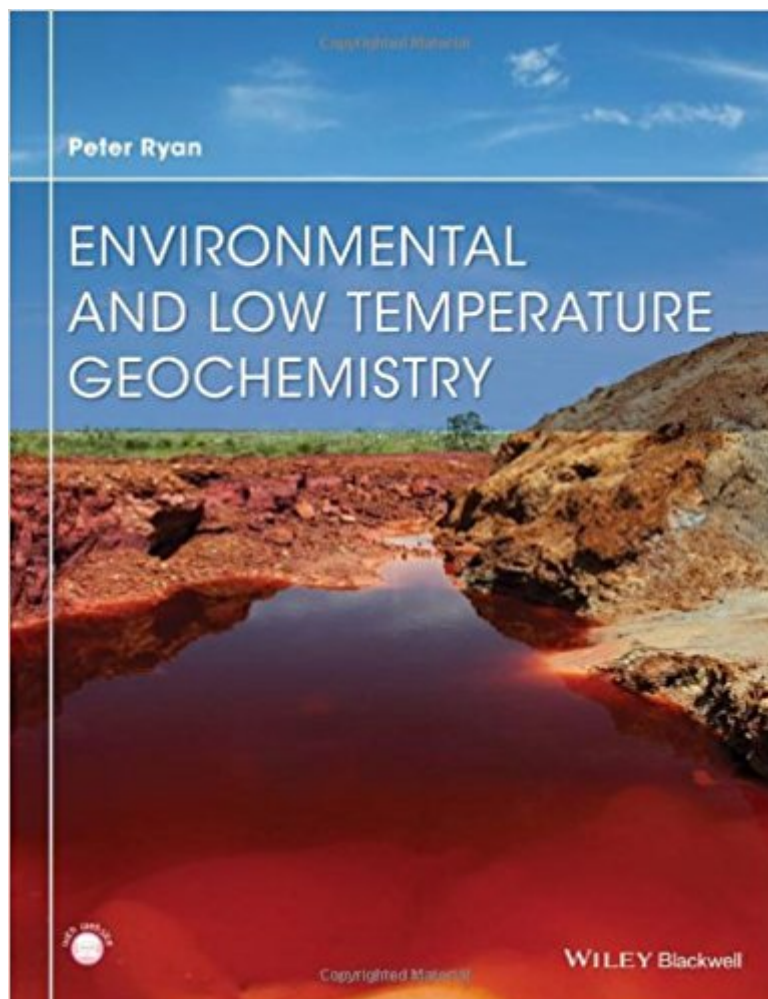


The book was found

Environmental And Low Temperature Geochemistry



Synopsis

Environmental and Low-Temperature Geochemistry presents conceptual and quantitative principles of geochemistry in order to foster understanding of natural processes at and near the earth's surface, as well as anthropogenic impacts on the natural environment. It provides the reader with the essentials of concentration, speciation and reactivity of elements in soils, waters, sediments and air, drawing attention to both thermodynamic and kinetic controls. Specific features include:

- An introductory chapter that reviews basic chemical principles applied to environmental and low-temperature geochemistry
- Explanation and analysis of the importance of minerals in the environment
- Principles of aqueous geochemistry
- Organic compounds in the environment
- The role of microbes in processes such as biomineralization, elemental speciation and reduction-oxidation reactions
- Thorough coverage of the fundamentals of important geochemical cycles (C, N, P, S)
- Atmospheric chemistry
- Soil geochemistry
- The roles of stable isotopes in environmental analysis
- Radioactive and radiogenic isotopes as environmental tracers and environmental contaminants
- Principles and examples of instrumental analysis in environmental geochemistry

The text concludes with a case study of surface water and groundwater contamination that includes interactions and reactions of naturally-derived inorganic substances and introduced organic compounds (fuels and solvents), and illustrates the importance of interdisciplinary analysis in environmental geochemistry. Readership: Advanced undergraduate and graduate students studying environmental/low T geochemistry as part of an earth science, environmental science or related program. Additional resources for this book can be found at: www.wiley.com/go/ryan/geochemistry.

Book Information

Paperback: 416 pages

Publisher: Wiley-Blackwell; 1 edition (May 27, 2014)

Language: English

ISBN-10: 1405186127

ISBN-13: 978-1405186124

Product Dimensions: 7.5 x 0.9 x 9.7 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #296,543 in Books (See Top 100 in Books) #33 in Books > Science & Math > Chemistry > Geochemistry #52 in Books > Science & Math > Earth Sciences > Mineralogy #535

Customer Reviews

â œA useful acquisition for libraries serving undergraduate and graduate earth science programs.

Â Summing Up: Recommended. Upper-division undergraduates, graduate students, and faculty.â •Â (Choice, 1 December 2014) Â

Environmental and Low-Temperature Geochemistry presents conceptual and quantitative principles of geochemistry in order to foster understanding of natural processes at and near the earthâ™s surface, as well as anthropogenic impacts onÂ the natural environment.Â It provides the reader with the essentials of concentration, speciation and reactivity of elements in soils, waters, sediments and air, drawing attention to both thermodynamic and kinetic controls.Â Specific features include:

- â ¢ An introductory chapter that reviews basic chemical principles applied to environmental and low-temperature geochemistry
- â ¢ Explanation and analysis of the importance of minerals in the environment
- â ¢ Principles of aqueous geochemistry
- â ¢ Organic compounds in the environment
- â ¢ The role of microbes in processes such as biomineralization, elemental speciation and reduction-oxidation reactions
- â ¢ Thorough coverage of the fundamentals of important geochemical cycles (C, N, P, S)
- â ¢ Atmospheric chemistry
- â ¢ Soil geochemistry
- â ¢ The roles of stable isotopes in environmental analysis
- â ¢ Radioactive and radiogenic isotopes as environmental tracers and environmental contaminants
- â ¢ Principles and examples of instrumental analysis in environmental geochemistry

The text concludes with a case study of surface water and groundwater contamination that includes interactions and reactions of naturally-derived inorganic substances and introduced organic compounds (fuels and solvents),Â and illustrates the importance of interdisciplinary analysis in environmental geochemistry. Readership: Advanced undergraduate and graduate students studying environmental/low T geochemistry as part of an earth science, environmental science or related program.

The book does a good job of presenting the material. However, there are so many typos that it's a little disconcerting.

Saved me in Environmental Geochemistry class. Thank you Peter Ryan!!!

[Download to continue reading...](#)

Low Carb: 365 Days of Low Carb Recipes (Low Carb, Low Carb Cookbook, Low Carb Diet, Low

Carb Recipes, Low Carb Slow Cooker, Low Carb Slow Cooker Recipes, Low Carb Living, Low Carb Diet For Beginners) Low Carb Diet: Introduction To Low Carb Diet And Recipes Of Low Carb Soups And Casseroles: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb Cookbook: Delicious Snack Recipes for Weight Loss. (low carbohydrate foods, low carb cooking, low carb diet, low carb recipes, low carb, low carb ... dinner recipes, low carb diets Book 1) Environmental and Low Temperature Geochemistry Low Carb Candy Bars: 25 Low Carb Recipes To Satisfy Your Sweet Tooth: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb Cookbook: 500 BEST LOW CARB RECIPES (low carb diet for beginners, lose weight, Atkins diet, low carb foods, low carb diet weight loss, low carb food list) Keto Bread Cookbook: Real Low Carb Recipes: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) The Ketogenic Diet Cookbook: Lose 15 Lbs In Two-Weeks With 66 Perfect Low Carb Keto Recipes: (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Carb: The Ultimate Beginner's Low Carb Guide to Lose Weight Quick without Starving With over 20 Easy Recipes To Follow. (Low Carb, Low Carb Cookbook, ... Diet, Low Carb Recipes, Low Carb Cookbook) Sproutman's Kitchen Garden Cookbook: 250 flourless, Dairyless, Low Temperature, Low Fat, Low Salt, Living Food Vegetarian Recipes Diffusion, Atomic Ordering, and Mass Transport: Selected Problems in Geochemistry (Advances in Physical Geochemistry) Low Carb: Low Calorie Cookbook: 200 High Protein Recipes for Weight Loss, Muscle Building, Healthy Eating and Increased Energy Levels (Low Carb High Protein ... Low Carb Cookbook, Low Carb Diet Book 1) LOW CARB DIET: KETOGENIC DIET: 1000 BEST LOW CARB AND KETOGENIC DIET RECIPES (BOX SET): low carb cookbook, ketogenic diet for beginners, low carb diet for beginners, low carbohydrate diet, ketogenic Low Carb: Low Calorie Cookbook: 50 High Protein Recipes Under 500 Calories for Weight Loss, Muscle Building, Healthy Eating & To Increase Energy (Low Carb ... Low Carb Cookbook, Low Carb Diet Book 1) Keto Bread Cookbook : (low carbohydrate, high protein, low carbohydrate foods, low carb, low carb cookbook, low carb recipes) Low Sodium Cookbook: Enjoy The Low Sodium Diet With 35 Tasty Low Sodium Recipes (Low Salt Diet) (Low Salt Cooking Book 1) Low Carb: Don't starve! How to fit into your old jeans in 7 days without starving with a Low Carb & High Protein Diet (low carb cookbook, low carb recipes, low carb cooking) Low Carb: Low Carb, High Fat Diet. The Winning Formula To Lose Weight (Healthy Cooking, Low Carb Diet, Low Carb Recipes, Low Carb Cookbook, Eat Fat, Ketogenic Diet) Low Carb: Low Carb High Fat Diet - How to Lose 7 Pounds in 7 Days with Low Carb and High Protein Diet Without Starving! (low carbohydrate, high protein, ... carb cookbook, ketogenic diet, paleo diet)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)