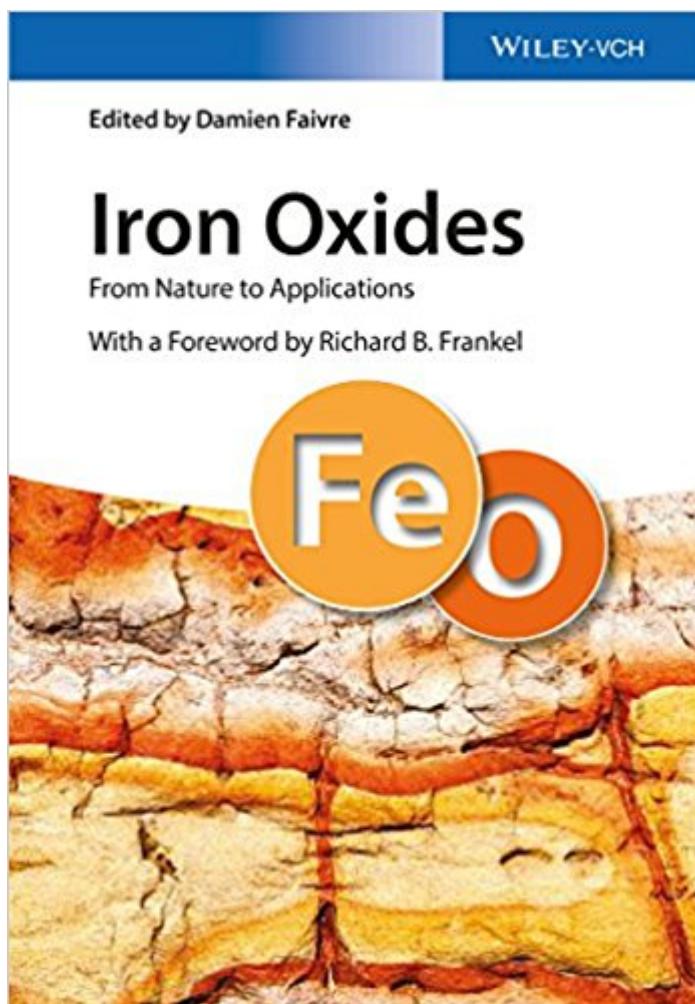


The book was found

# Iron Oxides: From Nature To Applications



## Synopsis

Compiling all the information available on the topic, this ready reference covers all important aspects of iron oxides. Following a preliminary overview chapter discussing iron oxide minerals along with their unique structures and properties, the text goes on to deal with the formation and transformation of iron oxides, covering geological, synthetic, and biological formation, as well as various physicochemical aspects. Subsequent chapters are devoted to characterization techniques, with a special focus on X-ray-based methods, magnetic measurements, and electron microscopy alongside such traditional methods as IR/Raman and Mössbauer spectroscopy. The final section mainly concerns exciting new applications of magnetic iron oxides, for example in medicine as microswimmers or as water filtration systems, while more conventional uses as pigments or in biology for magnetoreception illustrate the full potential. A must-read for anyone working in the field.

## Book Information

Hardcover: 632 pages

Publisher: Wiley-VCH; 1 edition (August 8, 2016)

Language: English

ISBN-10: 3527338829

ISBN-13: 978-3527338825

Product Dimensions: 6.9 x 1.4 x 9.9 inches

Shipping Weight: 3.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #663,289 in Books (See Top 100 in Books) #146 in Books > Science & Math > Chemistry > Inorganic #2234 in Books > Textbooks > Science & Mathematics > Chemistry

## Customer Reviews

Currently a private lecturer at the University of Potsdam, Germany, Damien Faivre studied physical chemistry at the Claude Bernard University in Lyon, France, spending a year as an exchange student at Concordia University in Montreal, Canada. He continued with his doctoral thesis in geochemistry at the Institute for Earth Physics in Paris, France and, while still a PhD student, worked at the California Institute of Technology in Pasadena, USA. In 2005, he joined the Max Planck Institute for Marine Microbiology in Bremen, Germany, as Marie Curie Fellow of the EU to study the properties of magnetosomes and their formation mechanisms, and two years later moved

to the Department of Biomaterials at the Max Planck Institute of Colloids and Interfaces in Potsdam, as group leader to combine his interests in bio- and biomimetic formation and the assembly of magnetic iron oxides, for which he was awarded a grant from the ERC in 2010.

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

Cast Iron Recipes Cookbook: 50 Most Delicious of Cast Iron Recipes (Cast Iron Recipes, Cast Iron Cookbook, Cast Iron Cooking, Cast Iron Cooking Recipes): ... Recipes (Easy Recipes Cookbook Book 2) Iron Oxides: From Nature to Applications The Cast Iron Recipe DeLuxe: Discover 55 Amazingly Delicious Recipes For Breakfast, Lunch, Dinner and Desserts In Your Cast Iron Skillet (Cast Iron Recipes, ... Iron Cookware, Cast Iron Cookbook Book 1) Cast Iron Cookware Recipes 4 Books in 1 Book Set - Cooking with Cast Iron Skillets (Book 1) Cast iron Cookbook (Book 2) Cooking with Cast Iron (Book 3) Paleo Cast Iron Skillet Recipes (Book 4) Cast Iron Cooking - Easy Cast Iron Skillet Home Cooking Recipes: One-pot meals, cast iron skillet cookbook, cast iron cooking, cast iron cookbook The Iron Man Collection: Marvel's Iron Man, Marvel's Iron Man 2, and Marvel's Iron Man 3 My Lodge Cast Iron Skillet Cookbook: 101 Popular & Delicious Cast Iron Skillet Recipes (Cast Iron Recipes) (Volume 1) Cast Iron Cookbook: The Only Cast Iron Skillet Cookbook and Cast Iron Skillet Recipes You Will Ever Need CAST IRON SKILLET COOKBOOK: Cast Iron Recipes For Delicious One Skillet Meals (Cast Iron Cookbooks and One Skillet Meals) Cast Iron Cookbook: A Cast Iron Skillet Book Filled With Delicious Cast Iron Recipes The Simple Skillet Cookbook: 15 Elegant and Easy Recipes for Your Cast Iron or Electric Skillet (Cast Iron Cooking - Skillet Recipes - Cast Iron Skillet Cookbook) Cast Iron Skillet Cookbook: Easy And Delicious Cast Iron Recipes (Cast Iron Cookbook) Solar Hydrogen Generation: Transition Metal Oxides in Water Photoelectrolysis Transition Metal Oxides: An Introduction to Their Electronic Structure and Properties (The International Series of Monographs on Chemistry) The Invincible Iron Man (Marvel: Iron Man) (Little Golden Book) The Invincible Iron Man: This is Iron Man (Level 1 Reader) (Marvel Reader (ebook)) Waffle Iron Cooking - Delicious and Instant Waffle Iron Recipes to Try!: Some of these Waffle Recipes have Never Been Tried Before As Iron Sharpens Iron: Building Character in a Mentoring Relationship Pie Iron Cookbook : The Ultimate Guide To Simple And Easy Pie Iron Recipes For Campfire Cooking Pie Iron Cookbook: 60 #Delish Pie Iron Recipes for Cooking in the Great Outdoors (60 Super Recipes Book 20)

[Contact Us](#)

[DMCA](#)

Privacy

FAQ & Help