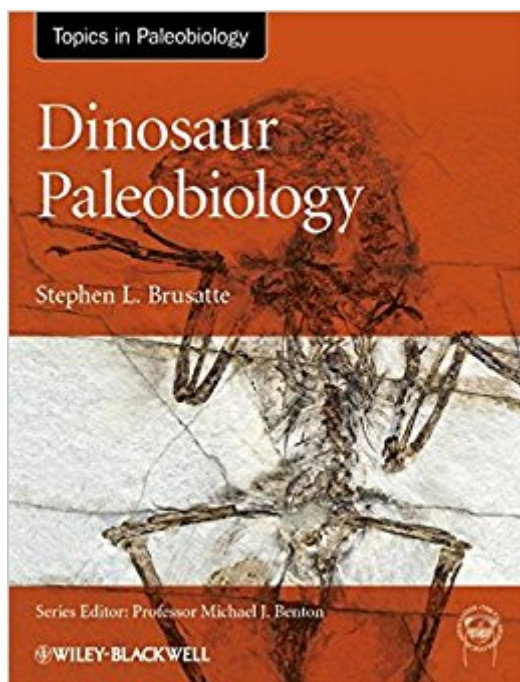


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# Dinosaur Paleobiology



## Synopsis

The study of dinosaurs has been experiencing a remarkable renaissance over the past few decades. Scientific understanding of dinosaur anatomy, biology, and evolution has advanced to such a degree that paleontologists often know more about 100-million-year-old dinosaurs than many species of living organisms. This book provides a contemporary review of dinosaur science intended for students, researchers, and dinosaur enthusiasts. It reviews the latest knowledge on dinosaur anatomy and phylogeny, how dinosaurs functioned as living animals, and the grand narrative of dinosaur evolution across the Mesozoic. A particular focus is on the fossil evidence and explicit methods that allow paleontologists to study dinosaurs in rigorous detail. Scientific knowledge of dinosaur biology and evolution is shifting fast, and this book aims to summarize current understanding of dinosaur science in a technical, but accessible, style, supplemented with vivid photographs and illustrations. The Topics in Paleobiology Series is published in collaboration with the Palaeontological Association, and is edited by Professor Mike Benton, University of Bristol. Books in the series provide a summary of the current state of knowledge, a trusted route into the primary literature, and will act as pointers for future directions for research. As well as volumes on individual groups, the series will also deal with topics that have a cross-cutting relevance, such as the evolution of significant ecosystems, particular key times and events in the history of life, climate change, and the application of a new techniques such as molecular palaeontology. The books are written by leading international experts and will be pitched at a level suitable for advanced undergraduates, postgraduates, and researchers in both the paleontological and biological sciences. Additional resources for this book can be found at:  
<http://www.wiley.com/go/brusatte/dinosaurpaleobiology>.

## Book Information

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## Customer Reviews

“Anyone serious about learning details of dinosaur biology would do no better than to read this book. Summing Up: Highly recommended. Upper-division undergraduates through researchers/faculty; general readers. (Choice, 1 November 2012) “It is up-to-date, well-researched and the topics are perceptively argued or discussed, and I would unhesitatingly recommend it, as a start-up reading, to my own undergraduates and research students. (Geological Magazine, 2012) “This is a reference work of wide-ranging technical expertise that reads like a good piece of science journalism. Forgive the cliché but I couldn't put it down. ....an excellent reference and a quick way to get up to speed on the fascinating and fast-evolving world of dinosaur research.” •J. Bret Bennington Priscum Vol 21, Issue1 (Winter 2014)

The study of dinosaurs has been experiencing a remarkable renaissance over the past few decades. Scientific understanding of dinosaur anatomy, biology, and evolution has advanced to such a degree that paleontologists often know more about 100-million-year-old dinosaurs than many species of living organisms. This book provides a contemporary review of dinosaur science intended for students, researchers, and dinosaur enthusiasts. It reviews the latest knowledge on dinosaur anatomy and phylogeny, how dinosaurs functioned as living animals, and the grand narrative of dinosaur evolution across the Mesozoic. A particular focus is on the fossil evidence and explicit methods that allow paleontologists to study dinosaurs in rigorous detail. Scientific knowledge of dinosaur biology and evolution is shifting fast, and this book aims to summarize current understanding of dinosaur science in a technical, but accessible, style, supplemented with vivid photographs and illustrations. The Topics in Paleobiology Series is published in collaboration with the Palaeontological Association, and is edited by Professor Mike Benton, University of Bristol.

This is an up to date, thorough review of dinosaurs. It is very well written and enjoyable to read - for adults, but without the techno-babble I've been running across in promising-sounding books that turn out to be collections of research papers. I got the paperback edition, so I missed the DRM problems the other reviewer (who also finds the book itself to be excellent) mentioned regarding the

Kindle edition. It looks pricey for a paperback, but it's a quality print with a good number of photos and illustrations (mostly black and white, but there are some color plates) - I've gotten a number of books on dinosaurs over the 15-20 years, and this is definitely one of the better ones, and one of the best in terms of substantive text.

This book is unique in the annals of dinosaur literature; covering in detail the "inner workings"-muscles, metabolism, organic function etc...of the dinosaur in tremendous detail unlike any book I have ever encountered. If you are interested in dinosaurs this text is a must buy. Be warned though, much of the material is a bit technical.

Great book, but very technical. It assumes you have a background in biology (which I don't) but you can look up terms on the internet when needed. I understand dinosaurs and their related cousins much better. Two thumbs up.

Excellent textbook - on the recommended reading list for my course, didn't use it for everything but an awesome reference. Would have liked some colour to help with some of the skeletal diagrams but otherwise worth the spend

This is an excellent comprehensive summary of the status of dinosaur studies. It reviews past efforts, adds what is being investigated today, and indicates the major things yet to be achieved. Probably not for the casual enthusiast for modest familiarity with vertebrate biology, ecology, and basic physiologic functioning is needed to understand what we know about dinosaurs and how we know it.

Excellent book for all the people who want to know about these extinct animals. This is a very technical book covering detailed items about animal anatomy and paleontology, so you might need some background on those topics to take full advantage of it.

My son loves this book ... full of cladograms ... and great for anyone who loves dinosaurs. Good start for more intense paleontology books

This is a comprehensive overview of all aspects of dinosaurs, and is completely up to date in this rapidly evolving field. It is also very readable for the lay person.

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