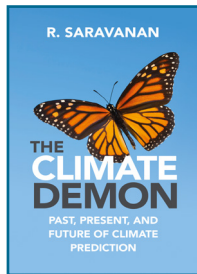




# New and bestselling titles in Atmospheric Science and Climatology



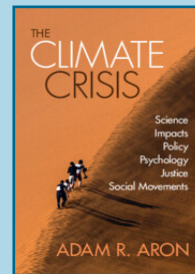
## The Climate Demon Past, Present, and Future of Climate Prediction

R. Saravanan

ISBN: 9781009018043

An introduction to the complex world of climate models that explains why we should trust their predictions despite the uncertainties.

£29.99 / \$39.99



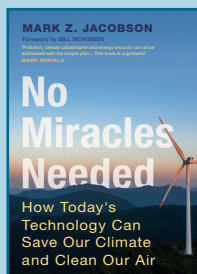
## The Climate Crisis Science, Impacts, Policy, Psychology, Justice, Social Movements

Adam Aron

ISBN: 9781108987158

A comprehensive overview of the climate crisis and need for a renewable energy transition, and the current blocks to progress.

£26.99 / \$34.99



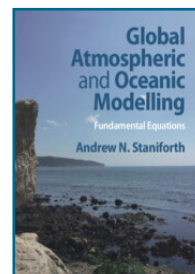
## No Miracles Needed How Today's Technology Can Save Our Climate and Clean Our Air

Mark Z. Jacobson

ISBN: 9781009249546

How you can solve the climate, energy and air pollution crises, without relying on 'miracle technologies'!

£14.99 / \$19.95



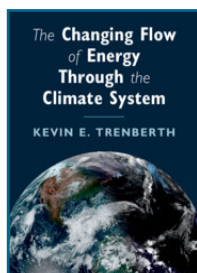
## Global Atmospheric and Oceanic Modelling Fundamental Equations

Andrew N. Staniforth

ISBN: 9781108838337

A unified and comprehensive account of the fundamental equations of atmospheric and oceanic models for climate and weather forecasting.

£74.99 / \$99.99



## The Changing Flow of Energy Through the Climate System

Kevin E. Trenberth

ISBN: 9781108972468

Elegant, novel explanation of climate change, emphasizing physical understanding and concepts, while avoiding complex mathematics, supported by excellent color illustrations.

£34.99 / \$44.99



## Global Warming of 1.5°C

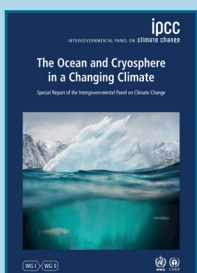
IPCC Special Report on Impacts of Global Warming of 1.5°C above Pre-industrial Levels in Context of Strengthening Response to Climate Change, Sustainable Development, and Efforts to Eradicate Poverty

Intergovernmental Panel on Climate Change (IPCC)

ISBN: 9781009157957

Also available open access.

£74.99 / \$99.99



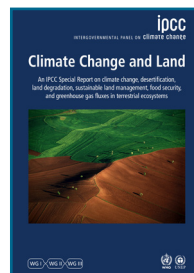
## The Ocean and Cryosphere in a Changing Climate Special Report of the Intergovernmental Panel on Climate Change

Intergovernmental Panel on Climate Change (IPCC)

ISBN: 9781009157971

Also available open access.

£74.99 / \$99.99



## Climate Change and Land IPCC Special Report on Climate Change, Desertification, Land Degradation, Sustainable Land Management, Food Security, and Greenhouse Gas Fluxes in Terrestrial Ecosystems

Intergovernmental Panel on Climate Change (IPCC)

ISBN: 9781009249546

Also available open access.

£84.99 / \$110.00



## Other titles available

**Downscaling Techniques for High-Resolution Climate Projections From Global Change to Local Impacts**  
Rao Kotamarthi, Katharine Hayhoe, Linda O. Mearns, Donald Wuebbles, Jennifer Jacobs and Jennifer Jurado  
9781108473750 (£49.99 / \$64.99)

**Seeing the Forest for the Trees Forests, Climate Change, and Our Future**  
Gordon Bonan  
9781108467841 (£36.99 / \$49.99)

**Climate Analysis**  
Chester F. Ropelewski and Phillip A. Arkin  
9780521896160 (£41.99 / \$57.99)

**Statistical Analysis of Climate Extremes**  
Manfred Mudelsee  
9781108791465 (£29.99 / \$39.99)

**Statistical Downscaling and Bias Correction for Climate Research**  
Douglas Maraun and Martin Widmann  
9781107066052 (£51.99 / \$67.99)

**Statistical Methods for Climate Scientists**  
Timothy DelSole and Michael Tippett  
9781108472418 (£54.99 / \$69.99)

**Modeling of Atmospheric Chemistry**  
Guy P. Brasseur and Daniel J. Jacob  
9781107146969 (£72.99 / \$93.99)

**Climate Mathematics Theory and Applications**  
Samuel S. P. Shen and Richard C. J. Somerville  
9781108476874 (£45.99 / \$59.99)

**Climate Change and Terrestrial Ecosystem Modeling**  
Gordon Bonan  
9781107619074 (£46.99 / \$62.99)

**Principles of Data Assimilation**  
Seon Ki Park and Milija Zupanski  
9781108831765 (£49.99 / \$64.99)

**Climate Variability and Tropical Cyclone Activity**  
Pao-Shin Chu and Hiroyuki Murakami  
9781108480215 (£59.99 / \$79.99)

**Clouds and Climate Climate Science's Greatest Challenge**  
A. Pier Siebesma, Sandrine Bony, Christian Jakob and Bjorn Stevens  
9781107061071 (£64.99 / \$84.99)

**Essentials of Atmospheric and Oceanic Dynamics**  
Geoffrey K. Vallis  
9781107692794 (£40.99 / \$50.99)

**Physical Oceanography and Climate**  
Kris Karnauskas  
9781108423861 (£50.99 / \$65.99)

**Climate Risk and Sustainable Water Management**  
Qihong Tang and Guoyong Leng  
9781108479837 (£120.00 / \$155.00)

**Drought, Flood, Fire How Climate Change Contributes to Catastrophes**  
Chris C. Funk  
9781108839877 (£19.99 / \$24.95)

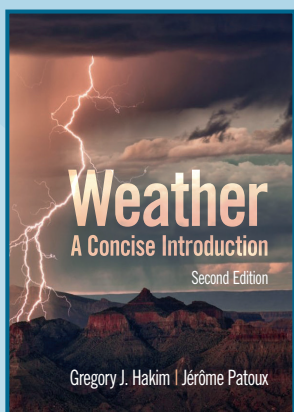
**Atmospheric Lidar Fundamentals Laser Light Scattering from Atoms and Linear Molecules**  
Chiao-Yao She and Jonathan S. Friedman  
9781316518236 (£110.00 / \$140.00)

**An Introduction to Space Weather**  
Mark Moldwin  
9781108791717 (£29.99 / \$39.99)

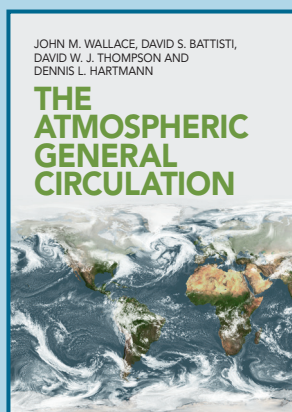
**Introduction to Dual Polarization Weather Radar Fundamentals, Applications, and Networks**  
V. Chandrasekar, Robert M. Beauchamp and Renzo Bechini  
9781108423175 (£99.99 / \$130.00)

**Pressure Broadening of Spectral Lines The Theory of Line Shape in Atmospheric Physics**  
Peter Joseph Rayer  
9781108488044 (£135.00 / \$175.00)

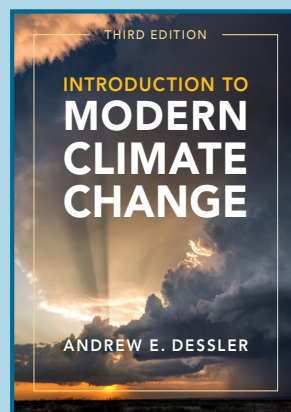
**Cambridge Textbooks in this area...**



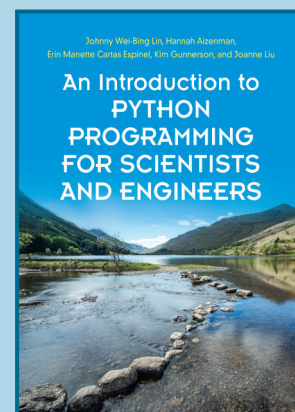
9781108965590  
£53.99 / \$69.99



9781108474245  
£54.99 / \$69.99



9781108793872  
£34.99 / \$44.99



9781108701129  
£54.99 / \$69.99

\*Prices are in GBP / USD and are correct at time of going to press but are subject to alteration without notice.

Contact Dr Matt Lloyd to discuss new book proposals in this area ([mlloyd@cambridge.org](mailto:mlloyd@cambridge.org))



**CAMBRIDGE**  
UNIVERSITY PRESS  
[www.cambridge.org](http://www.cambridge.org)