Clouds and Climate: Radiation, circulation, and precipitation

	Chapter title	Authors, lead highlighted
1	A survey of the scientific literature on cloud physics over time	Sylvia Sullivan and Corinna Hoose, Karlsruhe Institute of Technology
2	An overview of aerosol-cloud interactions	Hamish Gordon, Carnegie Mellon University Daniel McCoy, University of Leeds Franziska Glassmeier, TU Delft Anna Possner, Goethe Uni Frankfurt
3	Satellite and ground-based measurement of cloud-radiation feedbacks	Gregory Cesana, Center for Climate Systems Research, Columbia University
4	Ice particle properties and cirrus emissivity	Emma Järvinen, Karlsruhe Institute of Technology Bastiaan van Diedenhoven, NASA Goddard Institute for Space Studies
5	Mixed-phase clouds and Arctic amplification	Ivy Tan, McGill University Georgia Sotiropoulou, University of Stockholm Manfred Wendisch, University of Leipzig Patrick Taylor, NASA Goddard Lauren Zamora, University of Maryland
6	Extratropical cloud feedbacks	Daniel McCoy, University of Leeds

7	Interactions between tropical clouds and larger-scale circulation in present and future climate	Kathleen Schiro, University of Virginia
8	Feedbacks of convective organization with surface temperature and circulation	Jan Härter, Niels Bohr Institute Caroline Muller, LMD
9	Tropical marine low clouds: Feedbacks to warming and on climate variability	Timothy Myers, LLNL Raphaela Vogel, LMD Florent Brient, CNRM Meteo-France Hossein Parishani, UCI Ryan Scott, Science Systems and Applications Inc
10	Clouds and radiatively-driven circulations	Tra Dinh, University of Auckland Blaž Gasparini, University of Washington Gilles Bellon, University of Auckland
11	Atmospheric mixing, precipitation efficiency, and climate sensitivity	Nicholas Lutsko, Scripps Institute of Oceanography Ming Zhao, Geophysical Fluid Dynamics Laboratory Steve Sherwood, University of New South Wales
12	Small-scale mixing and its impact on cloud lifetime and droplet size distributions	Fabian Hoffmann, NOAA CIRES
13	Convective available potential energy and its relation to precipitation extremes	Yanluan Lin, Tsinghua University Martin Singh, Monash University Jacob Seeley, Harvard University Chiara Lepore, Lamont-Doherty Earth Observatory Atsushi Hamada, University of Toyama

14	Liquid versus ice phase-initiated precipitation	Johannes Mülmenstädt, TROPOS / University of Leipzig Jen Kay, University of Colorado Boulder Andrew Heymsfield, NCAR Paul Field, Spec Inc.
15	Satellite Precipitation Measurements: What Have We Learnt About Cloud-Precipitation Processes From Space?	Maki Kikuchi, Japan Aerospace Exploration Agency Scott Braun, NASA Kentaroh Suzuki, University of Tokyo Guosheng Liu, Florida State University Alessandro Battaglia, University of Leicester
16	Outlook: The role of big data and machine learning in our understanding of clouds	Tom Beucler, University of California Irvine Pierre Gentine, Columbia University Stephan Rasp, LMU Mike Pritchard, University of California Irvine Imme Ebert-Uphoff, Colorado State University