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SPACE LIFE SCIENCE INSTRUMENTS AND EXPERIMENTAL TECHNOLOGIES IN CHINA

Abstract

Space life science research fields and supporting facilities are introduced briefly first in the paper. The representative research results of the space life science instruments and technologies are described in detail, including the Animal Embryo Culture Box for Embryo Development in Space developed for Returnable Satellite, Biobox for Biological Effect in Space developed for Manned Spacecraft, Bioreactor for Cell Proliferation and Differentiation in Space developed for Cargo Spacecraft, Higher Plant Culture Apparatus for Plant Complete Period Development in Space developed for Space Laboratory and Complicated Life Science Experiment System developed for Manned Space Station. The future development of the space life science instruments and technologies is prospected.