

1. Record Nr.	UNINA9910349506303321
Autore	Harvey Brian
Titolo	China in Space : The Great Leap Forward / / by Brian Harvey
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-19588-0 9783030195885
Edizione	[2nd ed. 2019.]
Descrizione fisica	1 online resource (xii, 552 pages) : illustrations (some color), photographs (chiefly color)
Collana	Space Exploration
Disciplina	600 629.420951
Soggetti	Technology Aerospace engineering Astronautics Space sciences China—History Popular Science in Technology Aerospace Technology and Astronautics Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) History of China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acknowledgements -- Dedication -- About the Author -- Author's Introduction -- Chapter 1: The far side of the Moon -- Chapter 2: Medieval rockets to first satellites -- Chapter 3: New rockets, launch sites and ships -- Chapter 4: Science and technology -- Chapter 5: Communications -- Chapter 6: Applications and military -- Chapter 7: Manned flight -- Chapter 8: To the Moon and Mars -- Chapter 9: China in perspective -- Glossary -- Appendix 1: Timeline of key dates in China's space program -- Appendix 2: List of Chinese space launchings -- Bibliography -- Index.
Sommario/riassunto	In 2019, China astonished the world by landing a spacecraft and rover on the far side of the Moon, something never achieved by any country

before. China had already become the world's leading spacefaring nation by rockets launched, sending more into orbit than any other. China is now a great space superpower alongside the United States and Russia, sending men and women into orbit, building a space laboratory (Tiangong) and sending probes to the Moon and asteroids. Roadmap 2050 promises that China will set up bases on the Moon and Mars and lead the world in science and technology by mid-century. China's space programme is one of the least well-known, but this book will bring the reader up to date with its mysteries, achievements and exciting plans. China has built a fleet of new, powerful Long March rockets, four launch bases, tracking stations at home and abroad, with gleaming new design and production facilities. China is poised to build a large, permanent space station, bring back lunar rocks, assemble constellations of communications satellites and send spaceships to Mars, the moons of Jupiter and beyond. A self-sustaining lunar base, Yuegong, has already been simulated. In space, China is the country to watch.
