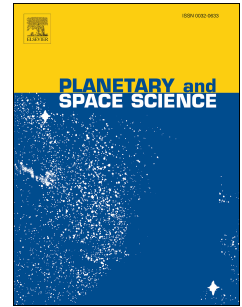


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Availability and delta-v requirements for delivering water extracted from near-Earth objects to cis-lunar space

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Highlights:

- * we have developed a synthetic population of asteroids with return delta-v to Earth of <3 km/s
- * low delta-v asteroids have Earth-like orbits
- * the fraction of near-Earth asteroids containing water-bearing minerals appears to increase for smaller asteroids
- * there are $< 1,000$ low delta-v near-Earth asteroids containing water-bearing minerals
- * the number of low delta-v asteroids increases as the cube of delta-v

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