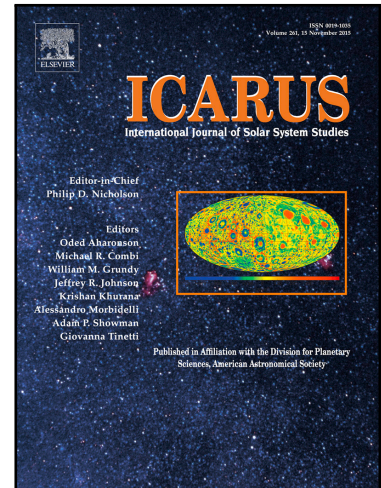


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A Probabilistic Asteroid Impact Risk Model: Assessment of Sub-300 m Impacts

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Highlights:

- A new model for quantifying the asteroid impact risk is presented.
- The model explicitly includes entry trajectory simulation in the risk assessment.
- Results are presented for an ensemble of stochastic impact scenarios.
- Model provides distributions of results to represent impact consequences.
- Risk results are compared for *known size* versus *inferred size* asteroid impacts.

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