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Spectral decomposition of asteroid Itokawa based on principal component analysis

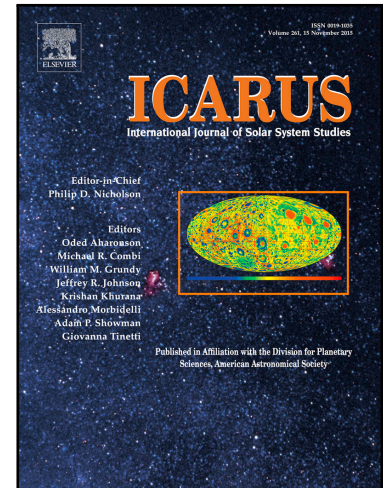
Sumire C. Koga , Seiji Sugita , Shunichi Kamata ,
Masateru Ishiguro , Takahiro Hiroi , Eri Tatsumi , Sho Sasaki

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Highlights

- The first principal component of Itokawa spectra is due to space weathering
- The Itokawa surface spectra span widely from Q-type to S-type spectra
- The spectral evolution track of S-type asteroids may be seen on Itokawa spectra

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