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## Identification and Discrimination of Polycyclic Aromatic Hydrocarbons Using Raman Spectroscopy

Edward Cloutis , Paul Szymanski , Daniel Applin , Douglas Goltz

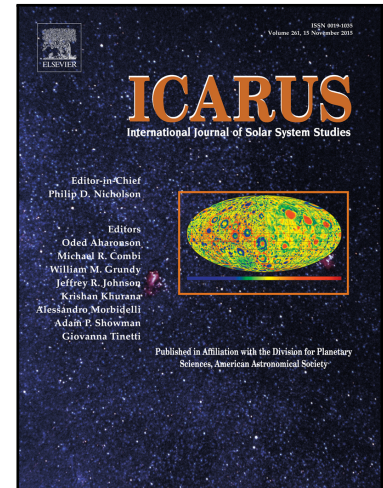
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**Highlights**

- A suite of 48 polycyclic aromatic hydrocarbons were studied by 532 nm Raman spectroscopy
- Raman peak positions and fluorescence are affected by arrangement of phenyl groups and types and arrangements of functional groups
- Raman peak positions and fluorescence profiles are unique to different PAHs

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