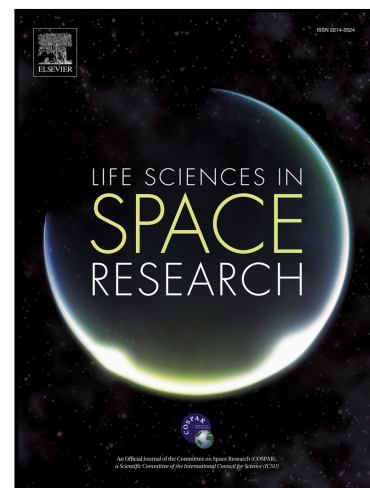


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Optimizing LED lighting for space plant growth unit: joint effects of photon flux density, red to white ratios and intermittent light pulses

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Highlights

- A quantitative criterion for finding the optimal crop lighting regime was developed.
- Developed regression models can predict crop yield depending on lighting mode.
- The crop yield has nonlinear dependence on pulse light and spectral characteristics.

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