

## List of Publications – Jeremy L. Smallwood

Total Refereed: 22; 1st-authored: 18; Citations: 301; h-index: 9; i10-index: 9. Statistics from [ADS](#).

### 1st-authored

22. Shedding light on the origin of the broken misaligned circumtriple disk around GW Ori  
**Smallwood J. L.**, Lubow H. S., Martin R. G., ApJL, under revision
21. Circumbinary accretion as a diagnostic for binary–disc misalignment  
**Smallwood J. L.**, Li Y-P., Deng H., Franchini A., MNRAS, under revision
20. Observational Signatures of Dust Traffic Jams in Polar-aligning Circumbinary Disks  
**Smallwood J. L.**, Nealon R., Yen H-W., Pinte C., Longarini C., Aly H., Lin M-K., ApJL, Accepted
19. Polar alignment of a dusty circumbinary disc – II. Application to 99 Herculis  
**Smallwood J. L.**, Lin M-K., Nealon R., Aly H., Longarini C., 2024, MNRAS, 534, 4018, [ADS](#)
18. Polar alignment of a dusty circumbinary disc – I. Dust ring formation  
**Smallwood J. L.**, Lin M-K., Aly H., Nealon R., Longarini C., 2024, MNRAS, 532, 1068, [ADS](#)
17. Formation of misaligned second-generation discs through flyby encounters  
**Smallwood J. L.**, Nealon R., Cuello N., Dong R., Booth R. A., 2024, MNRAS, 527, 2094, [ADS](#)
16. Formation of the warped debris disc around  $\beta$  Pictoris  
**Smallwood J. L.**, 2023, MNRAS, 523, 3526, [ADS](#)
15. Exciting spiral arms in protoplanetary discs from flybys  
**Smallwood J. L.**, Yang C-C., Zhu Z., Martin R. G., Dong R., Cuello N., Isella A., 2023, MNRAS, 521, 3500, [ADS](#)
14. Formation of polar circumstellar discs in binary star systems  
**Smallwood J. L.**, Martin R. G., Lubow H. S., 2023 MNRAS, 520, 2952, [ADS](#)
13. Accretion onto a binary from a polar circumbinary disc  
**Smallwood J. L.**, Lubow H. S., Martin R. G., 2022, MNRAS, 514, 1249, [ADS](#)
12. GW Ori: circumtriple rings and planets  
**Smallwood J. L.**, Nealon R., Chen C., Martin R. G., Bi J., Dong R., Pinte C., 2021, MNRAS, 508, 392, [ADS](#)
11. On the role of resonances in polluting white dwarfs by asteroids  
**Smallwood J. L.**, Martin R. G., Livio M., Veras D., 2021, MNRAS, 504, 3375, [ADS](#)

10. Sustained Kozai-Lidov oscillations in misaligned circumstellar gas discs  
**Smallwood J. L.**, Martin R. G., Lubow H. S., 2021, ApJ, 907, L14, [ADS](#)
9. Formation of the polar debris disc around 99 Herculis  
**Smallwood J. L.**, Franchini A., Chen C., Becerril E., Lubow S. H., Yang C-C., Martin R. G., MNRAS, 2020, MNRAS, 494, 487, [ADS](#)
8. Alignment of a circumbinary disc around an eccentric binary with application to KH 15D  
**Smallwood J. L.**, Lubow S. H., Franchini A., Martin R. G., 2019, MNRAS, 486, 2919, [ADS](#)
7. Investigation of the asteroid collision model for the repeating fast radio bursts  
**Smallwood J. L.**, Martin R. G., Zhang B., 2019, MNRAS, 485, 1367, [ADS](#)
6. White dwarf pollution by asteroids from secular resonances  
**Smallwood J. L.**, Martin R. G., Livio M., Lubow S. H., 2018, MNRAS, 480, 57, [ADS](#)
5. Asteroid impacts on terrestrial planets: The effects of super-Earths and the role of the  $\nu_6$  resonance  
**Smallwood J. L.**, Martin R. G., Lepp S., Livio M., 2018, MNRAS, 473, 295, [ADS](#)

**co-authored**

4. Polar alignment of a massive retrograde circumbinary disc around an eccentric binary  
Abod C., Chen C., **Smallwood J. L.** et al., 2022, MNRAS, 517, 732, [ADS](#)
3. GW Ori: interactions between a triple-star system and its circumtriple disk in action  
Bi J., van der Marel N., Dong R., Muto T., Martin R. G., **Smallwood J. L.** et al., 2020, ApJ, 895, L18, [ADS](#)
2. Asteroid belt survival through stellar evolution: dependence on the stellar mass  
Martin R. G., Livio M., **Smallwood J. L.**, Chen C., 2020, MNRAS, 494, L17, [ADS](#)
1. Late delivery of nitrogen to Earth  
Chen C., **Smallwood J. L.**, Martin R. G., Livio M., 2019, AJ, 157, 80, [ADS](#)