

# Daniel Mentiplay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5041778/publications.pdf>

Version: 2024-02-01

12  
papers

1,041  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

816  
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>Phantom</scp>: A Smoothed Particle Hydrodynamics and Magnetohydrodynamics Code for Astrophysics. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	267
2	Kinematic Evidence for an Embedded Protoplanet in a Circumstellar Disk. Astrophysical Journal Letters, 2018, 860, L13.	8.3	214
3	Kinematic detection of a planet carving a gap in a protoplanetary disk. Nature Astronomy, 2019, 3, 1109-1114.	10.1	124
4	Circumbinary, not transitional: on the spiral arms, cavity, shadows, fast radial flows, streamers, and horseshoe in the HD142527 disc. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1270-1284.	4.4	122
5	Nine Localized Deviations from Keplerian Rotation in the DSHARP Circumstellar Disks: Kinematic Evidence for Protoplanets Carving the Gaps. Astrophysical Journal Letters, 2020, 890, L9.	8.3	116
6	Flybys in protoplanetary discs: I. Gas and dust dynamics. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4114-4139.	4.4	85
7	Flybys in protoplanetary discs " II. Observational signatures. Monthly Notices of the Royal Astronomical Society, 2020, 491, 504-514.	4.4	51
8	Scattered light shadows in warped protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4951-4962.	4.4	33
9	Super-Earths in the TW Hydra disc. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 484, L130-L135.	3.3	16
10	Plonk: Smoothed particle hydrodynamics analysis and visualization with Python. Journal of Open Source Software, 2019, 4, 1884.	4.6	7
11	Publisher Note: Circumbinary, not transitional: On the spiral arms, cavity, shadows, fast radial flows, streamers and horseshoe in the HD142527 disc. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3169-3169.	4.4	3
12	A smoothed particle hydrodynamics algorithm for multigrain dust with separate sets of particles. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3806-3818.	4.4	3