

Christopher J Wareing

List of Publications by Year in descending order

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43
papers

838
citations

361413

20
h-index

477307

29
g-index

43
all docs

43
docs citations

43
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	How D-type H _{II} region expansion depends on numerical resolution. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2797-2801.	4.4	1
2	Shocking interactions of supernova remnants with atomic and molecular clouds – the interplay between shocks, thermal instability, and gravity in the large cloud regime. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3345-3358.	4.4	1
3	Interactions of a shock with a molecular cloud at various stages of its evolution due to thermal instability and gravity. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3137-3154.	4.4	4
4	How to inflate a wind-blown bubble. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1768-1776.	4.4	5
5	Thermal instability revisited. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4484-4499.	4.4	13
6	Striations, integrals, hourglasses, and collapse – thermal instability driven magnetic simulations of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2831-2849.	4.4	3
7	Sheets, filaments, and clumps – high-resolution simulations of how the thermal instability can form molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4686-4702.	4.4	15
8	A new mechanical stellar wind feedback model for the Rosette Nebula. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3598-3612.	4.4	21
9	Hydrodynamic simulations of mechanical stellar feedback in a molecular cloud formed by thermal instability. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2283-2313.	4.4	18
10	Magnetohydrodynamic simulations of mechanical stellar feedback in a sheet-like molecular cloud. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2757-2783.	4.4	23
11	Techno-economic assessment of CO ₂ quality effect on its storage and transport: CO ₂ QUEST. International Journal of Greenhouse Gas Control, 2016, 54, 662-681.	4.6	25
12	High pressure CO ₂ CCS pipelines: Comparing dispersion models with multiple experimental datasets. International Journal of Greenhouse Gas Control, 2016, 54, 716-726.	4.6	13
13	Magnetohydrodynamical simulation of the formation of clumps and filaments in quiescent diffuse medium by thermal instability. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1803-1818.	4.4	27
14	Validation of turbulence closures for the RANS modelling of under-expanded fluid releases. AIP Conference Proceedings, 2015, , .	0.4	0
15	Comparison of numerical predictions with CO ₂ pipeline release datasets of relevance to carbon capture and storage applications. AIP Conference Proceedings, 2015, , .	0.4	0
16	Modelling ruptures of buried high-pressure dense-phase CO ₂ pipelines in carbon capture and storage applications – Part II. A full-scale rupture. International Journal of Greenhouse Gas Control, 2015, 42, 712-728.	4.6	9
17	Modelling ruptures of buried high pressure dense phase CO ₂ pipelines in carbon capture and storage applications – Part I. Validation. International Journal of Greenhouse Gas Control, 2015, 42, 701-711.	4.6	14
18	Numerical Modelling of Turbulent Particle-laden Sonic CO ₂ Jets with Experimental Validation. Procedia Engineering, 2015, 102, 1621-1629.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Measurement and Modelling of the Near-field Structure of Large-scale Sonic CO ₂ Releases from Pipelines. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 919-924.	0.5	1
20	CO ₂ PipeHaz: Quantitative Hazard Assessment for Next Generation CO ₂ Pipelines. <i>Energy Procedia</i> , 2014, 63, 2510-2529.	1.8	29
21	Modelling punctures of buried high-pressure dense phase CO ₂ pipelines in CCS applications. <i>International Journal of Greenhouse Gas Control</i> , 2014, 29, 231-247.	4.6	20
22	CO ₂ QUEST: Techno-economic Assessment of CO ₂ Quality Effect on Its Storage and Transport. <i>Energy Procedia</i> , 2014, 63, 2622-2629.	1.8	19
23	An integrated, multi-scale modelling approach for the simulation of multiphase dispersion from accidental CO ₂ pipeline releases in realistic terrain. <i>International Journal of Greenhouse Gas Control</i> , 2014, 27, 221-238.	4.6	40
24	Validation of a model of gas and dense phase CO ₂ jet releases for carbon capture and storage application. <i>International Journal of Greenhouse Gas Control</i> , 2014, 20, 254-271.	4.6	36
25	Numerical Simulation of CO ₂ Dispersion From Punctures and Ruptures of Buried High-pressure Dense Phase CO ₂ Pipelines with Experimental Validation. <i>Energy Procedia</i> , 2014, 63, 2500-2509.	1.8	6
26	A composite equation of state for the modeling of sonic carbon dioxide jets in carbon capture and storage scenarios. <i>AIChE Journal</i> , 2013, 59, 3928-3942.	3.6	41
27	Experimental measurement and Reynolds-averaged Navier–Stokes modelling of the near-field structure of multi-phase CO ₂ jet releases. <i>International Journal of Greenhouse Gas Control</i> , 2013, 18, 139-149.	4.6	52
28	Numerical modelling of particle-laden sonic CO ₂ jets with experimental validation. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	5
29	Measurement and RANS modelling of large-scale under-expanded CO ₂ releases for CCS applications. , 2013, , .		2
30	Large-Scale Validation of a Numerical Model of Accidental Releases from Buried CO ₂ Pipelines. <i>Computer Aided Chemical Engineering</i> , 2013, 32, 229-234.	0.5	9
31	RECONCILING THE EMISSION MECHANISM DISCREPANCY IN MIRA'S TAIL AND ITS EVOLUTION IN AN INTERFACE WITH SHEAR. <i>Astrophysical Journal Letters</i> , 2012, 748, L19.	8.3	4
32	Rebrightening of Planetary Nebulae Through Interaction with the Interstellar Medium. <i>Publications of the Astronomical Society of Australia</i> , 2010, 27, 220-226.	3.4	10
33	New Candidate Planetary Nebulae in the IPHAS Survey: the Case of Planetary Nebulae with ISM interaction. <i>Publications of the Astronomical Society of Australia</i> , 2010, 27, 166-173.	3.4	28
34	Cascades in decaying three-dimensional electron magnetohydrodynamic turbulence. <i>Journal of Plasma Physics</i> , 2010, 76, 117-128.	2.1	27
35	Hall cascades versus instabilities in neutron star magnetic fields. <i>Astronomy and Astrophysics</i> , 2009, 508, L39-L42.	5.1	21
36	Forward and inverse cascades in decaying two-dimensional electron magnetohydrodynamic turbulence. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	30

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37	Vortices in the Wakes of Asymptotic Giant Branch Stars. <i>Astrophysical Journal</i> , 2007, 660, L129-L132.	4.5	37
38	It's a Wonderful Tail: The Mass-Loss History of Mira. <i>Astrophysical Journal</i> , 2007, 670, L125-L129.	4.5	36
39	The interaction of planetary nebulae and their asymptotic giant branch progenitors with the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 1233-1245.	4.4	94
40	VLT/near-infrared integral field spectrometer observations of molecular hydrogen lines in the knots of the planetary nebula NGC 7293 (the Helix Nebula). <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 1447-1459.	4.4	23
41	The shaping of planetary nebulae through interaction with the interstellar medium. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 541.	0.0	0
42	Detached shells as tracers of asymptotic giant branch-interstellar medium bow shocks. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 372, L63-L67.	3.3	33
43	The shaping of planetary nebula Sh 2-188 through interaction with the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 387-396.	4.4	37