

Philipp Podsiadlowski

List of Publications by Year in descending order

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5,286
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230014

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286692

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docs citations

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4617
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar core-merger-induced collapse: new formation pathways for black holes, Thorneâ€™s γ -ray objects, magnetars, and superluminous supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4802-4813.	1.6	11
2	Simulating the formation of $\hat{\Gamma}$ Carinaeâ€™s surrounding nebula through unstable triple evolution and stellar merger-induced eruption. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4276-4296.	1.6	29
3	CG Carinae: discovery of orbital-phase-dependent 1.583-day periodicities in the B[e] supergiant binary. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4802-4814.	1.6	3
4	Pre-supernova evolution, compact-object masses, and explosion properties of stripped binary stars. Astronomy and Astrophysics, 2021, 645, A5.	2.1	68
5	Be X-ray binaries in the SMC as indicators of mass-transfer efficiency. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4705-4720.	1.6	40
6	Cosmic rates of black hole mergers and pair-instability supernovae from chemically homogeneous binary evolution. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5941-5959.	1.6	65
7	Long-term evolution of a magnetic massive merger product. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2796-2812.	1.6	37
8	Origins of Type IIn SNe 2006jc/2015G in interacting binaries and implications for pre-SN eruptions. Monthly Notices of the Royal Astronomical Society, 2020, 491, 6000-6019.	1.6	28
9	The Art of Modeling Stellar Mergers and the Case of the B[e] Supergiant R4 in the Small Magellanic Cloud. Astrophysical Journal, 2020, 901, 44.	1.6	7
10	Massive Stellar Mergers as Precursors of Hydrogen-rich Pulsational Pair Instability Supernovae. Astrophysical Journal Letters, 2019, 876, L29.	3.0	28
11	Hydrodynamical simulations and similarity relations for eruptive mass-loss from massive stars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 988-1000.	1.6	26
12	Stellar mergers as the origin of magnetic massive stars. Nature, 2019, 574, 211-214.	13.7	126
13	An excess of massive stars in the local 30 Doradus starburst. Science, 2018, 359, 69-71.	6.0	164
14	On the formation history of Galactic double neutron stars. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4009-4029.	1.6	189
15	The common-envelope wind model for type Ia supernovae. Proceedings of the International Astronomical Union, 2018, 14, 470-471.	0.0	0
16	Response to Comment on â€œAn excess of massive stars in the local 30 Doradus starburstâ€•. Science, 2018, 361, .	6.0	4
17	A kilonova as the electromagnetic counterpart to a gravitational-wave source. Nature, 2017, 551, 75-79.	13.7	601
18	Ultra-luminous X-ray sources and neutron-starâ€™black-hole mergers from very massive close binaries at low metallicity. Astronomy and Astrophysics, 2017, 604, A55.	2.1	69

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19	Formation of Double Neutron Star Systems. <i>Astrophysical Journal</i> , 2017, 846, 170.	1.6	435
20	A common-envelope wind model for Type Ia supernovae – I. Binary evolution and birth rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4763-4787.	1.6	39
21	Progenitors of ultra-stripped supernovae. , 2017, , .		0
22	A new route towards merging massive black holes. <i>Astronomy and Astrophysics</i> , 2016, 588, A50.	2.1	405
23	Rejuvenation of stellar mergers and the origin of magnetic fields in massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2355-2365.	1.6	82
24	Ultra-stripped supernovae: progenitors and fate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2123-2144.	1.6	292
25	LUMINOUS BLUE VARIABLES AND SUPERLUMINOUS SUPERNOVAE FROM BINARY MERGERS. <i>Astrophysical Journal</i> , 2014, 796, 121.	1.6	100
26	Binary Effects on Supernovae. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 45-52.	0.0	2
27	Simulating the Outer Nebula of SN 1987A. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 328-329.	0.0	0
28	Simulations of RS Oph and the CSM in Type Ia Supernovae. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 382-383.	0.0	0
29	LMXB AND IMXB EVOLUTION: I. THE BINARY RADIO PULSAR PSR J1614–2230. <i>Astrophysical Journal</i> , 2011, 732, 70.	1.6	92
30	The Asymmetric Outflow of RS Ophiuchi. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 195-198.	0.0	1
31	Hydrostatic ¹² C Burning in CO WDs: the Simmering Phase of SNe Ia Progenitors. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 284-290.	0.0	0
32	On the formation of single and binary helium-rich subdwarf O stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 984-993.	1.6	43
33	FURTHER EVIDENCE FOR THE BIMODAL DISTRIBUTION OF NEUTRON-STAR MASSES. <i>Astrophysical Journal</i> , 2010, 719, 722-727.	1.6	111
34	Massive binary evolution. <i>New Astronomy Reviews</i> , 2010, 54, 39-44.	5.2	25
35	Evolution of Nearly Semi-Detached Binaries and Symbiotics with Ellipsoidal Variability. , 2010, , .		1
36	Understanding Mass Transfer in Wind-Interacting Binaries: SPH Models of “Wind Roche-lobe Overflow”, 2010, , .		1

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37	Evolution of binary stars and its implications for evolutionary population synthesis. Proceedings of the International Astronomical Union, 2009, 5, 44-47.	0.0	1
38	Exploring a New Population of Compact Objects: X-ray and IR Observations of the Galactic Centre. AIP Conference Proceedings, 2008, , .	0.3	0
39	Binary Evolutionary Models. Proceedings of the International Astronomical Union, 2008, 4, 349-357.	0.0	1
40	The Ps \hat{a} ' e relation of double neutron stars. , 2007, , .		0
41	Binary progenitor models for long-duration gamma-ray bursts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1163-1169.	1.6	3
42	The progenitor of SN 1987A. , 2007, , .		3
43	ASTRONOMY: Big Bang Points to Stellar Mix-Up. Science, 2006, 314, 1551-1552.	6.0	1
44	A Binary Model for the UV-upturn of Elliptical Galaxies. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	1
45	Double-core evolution and the formation of neutron star binaries with compact companions. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1742-1748.	1.6	73
46	Binary Population Synthesis: Theory and Applications. AIP Conference Proceedings, 2005, , .	0.3	0
47	Irradiation Effects in Compact Binaries. AIP Conference Proceedings, 2005, , .	0.3	0
48	The Effects of Binary Evolution on the Dynamics of Core Collapse and Neutron Star Kicks. Astrophysical Journal, 2004, 612, 1044-1051.	1.6	403
49	Binaries with Compact Components: Theoretical and Observational Challenges. International Astronomical Union Colloquium, 2004, 194, 97-100.	0.1	0
50	The Progenitors of sdB Binaries: Confronting Theory with Observations. Astrophysics and Space Science, 2004, 291, 291-298.	0.5	1
51	The Rates of Hypernovae and Gamma-Ray Bursts: Implications for Their Progenitors. Astrophysical Journal, 2004, 607, L17-L20.	1.6	216
52	On the formation and evolution of black hole binaries. Monthly Notices of the Royal Astronomical Society, 2003, 341, 385-404.	1.6	255
53	The Progenitors of Type Ia Supernovae. Symposium - International Astronomical Union, 2003, 214, 109-112.	0.1	1
54	The Slow Merger of Massive Stars: Merger Types and Post-Merger Evolution. International Astronomical Union Colloquium, 2002, 187, 245-251.	0.1	1

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55	Hydrodynamical simulations of the streamâ€‘core interaction in the slow merger of massive stars. Monthly Notices of the Royal Astronomical Society, 2002, 334, 819-832.	1.6	40
56	The origin of subdwarf B stars â€‘ I. The formation channels. Monthly Notices of the Royal Astronomical Society, 2002, 336, 449-466.	1.6	610
57	Star formation and the origin of stellar masses. Nature, 1992, 359, 305-307.	13.7	9
58	Presupernova evolution in massive interacting binaries. Astrophysical Journal, 1992, 391, 246.	1.6	543