

Wolfgang Hillebrandt

List of Publications by Year in descending order

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papers

5,144
citations

201658

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434170

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33
all docs

33
docs citations

33
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2417
citing authors

#	ARTICLE	IF	CITATIONS
1	ASASSN-14lp: two possible solutions for the observed ultraviolet suppression. Monthly Notices of the Royal Astronomical Society, 2021, 506, 415-431.	4.4	3
2	Early light curves for Type Ia supernova explosion models. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2787-2799.	4.4	60
3	A metric space for Type Ia supernova spectra: a new method to assess explosion scenarios. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3784-3809.	4.4	4
4	Three-dimensional simulations of gravitationally confined detonations compared to observations of SN 1991T. Astronomy and Astrophysics, 2016, 592, A57.	5.1	56
5	The type Iax supernova, SN 2015H. Astronomy and Astrophysics, 2016, 589, A89.	5.1	55
6	Type Ia supernovae within dense carbon- and oxygen-rich envelopes: a model for “Super-Chandrasekhar” explosions?. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2972-2985.	4.4	24
7	Ultraviolet diversity of Type Ia Supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1308-1316.	4.4	33
8	Type Ia supernovae from violent mergers of carbon-oxygen white dwarfs: polarization signatures. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1060-1070.	4.4	51
9	Deflagrations in hybrid CNe white dwarfs: a route to explain the faint Type Iax supernova 2008ha. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3045-3053.	4.4	104
10	500Âdays of SN 2013dy: spectra and photometry from the ultraviolet to the infrared. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4307-4325.	4.4	49
11	Three-dimensional pure deflagration models with nucleosynthesis and synthetic observables for Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1762-1783.	4.4	208
12	Early ⁵⁶ Ni decay gamma rays from SN2014J suggest an unusual explosion. Science, 2014, 345, 1162-1165.	12.6	104
13	Towards an understanding of Type Ia supernovae from a synthesis of theory and observations. Frontiers of Physics, 2013, 8, 116-143.	5.0	232
14	Spectrophotometric time series of SN 2011fe from the Nearby Supernova Factory. Astronomy and Astrophysics, 2013, 554, A27.	5.1	178
15	3D deflagration simulations leaving bound remnants: a model for 2002cx-like Type Ia supernovae.... Monthly Notices of the Royal Astronomical Society, 2013, 429, 2287-2297.	4.4	175
16	Synthetic light curves and spectra for three-dimensional delayed-detonation models of Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 436, 333-347.	4.4	87
17	Three-dimensional delayed-detonation models with nucleosynthesis for Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1156-1172.	4.4	381
18	NORMAL TYPE Ia SUPERNOVAE FROM VIOLENT MERGERS OF WHITE DWARF BINARIES. Astrophysical Journal Letters, 2012, 747, L10.	8.3	336

#	ARTICLE	IF	CITATIONS
19	CONSTRAINING TYPE Ia SUPERNOVA MODELS: SN 2011fe AS A TEST CASE. <i>Astrophysical Journal Letters</i> , 2012, 750, L19.	8.3	175
20	Monte Carlo radiation hydrodynamics: methods, tests and application to Type Ia supernova ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1430-1444.	4.4	20
21	Interpreting the near-infrared spectra of the “golden standard” Type Ia supernova 2005cf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 994-1003.	4.4	34
22	2D simulations of the double-detonation model for thermonuclear transients from low-mass carbon-oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3003-3016.	4.4	121
23	Violent mergers of nearly equal-mass white dwarf as progenitors of subluminal Type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2011, 528, A117.	5.1	164
24	Double-detonation sub-Chandrasekhar supernovae: can minimum helium shell masses detonate the core?. <i>Astronomy and Astrophysics</i> , 2010, 514, A53.	5.1	323
25	Sub-luminous type Ia supernovae from the mergers of equal-mass white dwarfs with mass $\sim 4.9 M_{\odot}$. <i>Nature</i> , 2010, 463, 61-64.	27.8	307
26	DOUBLE-DETONATION SUB-CHANDRASEKHAR SUPERNOVAE: SYNTHETIC OBSERVABLES FOR MINIMUM HELIUM SHELL MASS MODELS. <i>Astrophysical Journal</i> , 2010, 719, 1067-1082.	4.5	205
27	Abundance stratification in Type Ia supernovae – II. The rapidly declining, spectroscopically normal SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1897-1906.	4.4	81
28	Double-detonation supernovae of sub-Chandrasekhar mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2007, 476, 1133-1143.	5.1	179
29	Theoretical light curves for deflagration models of type Ia supernova. <i>Astronomy and Astrophysics</i> , 2006, 453, 229-240.	5.1	196
30	Abundance stratification in Type Ia supernovae - I. The case of SN 2002bo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 1231-1243.	4.4	180
31	Type Ia Supernova Explosion Models. <i>Annual Review of Astronomy and Astrophysics</i> , 2000, 38, 191-230.	24.3	967
32	SN 2012dn from early to late times: 09dc-like supernovae reassessed.... <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	19
33	Sub-Chandrasekhar progenitors favoured for type Ia supernovae: Evidence from late-time spectroscopy..... <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	33