

Brian Schmidt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

13,584
citations

57
h-index

78
g-index

78
ext. papers

14,427
ext. citations

10.9
avg, IF

4.66
L-index

#	Paper	IF	Citations
77	SN 2012fr: Ultraviolet, Optical, and Near-infrared Light Curves of a Type Ia Supernova Observed within a Day of Explosion. <i>Astrophysical Journal</i> , 2018 , 859, 24	4.7	37
76	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 826, L13	7.9	183
75	The ANU WiFeS SuperNovA Programme (AWSNAP). <i>Publications of the Astronomical Society of Australia</i> , 2016 , 33,	5.5	28
74	NUCLEOSYNTHESIS IN A PRIMORDIAL SUPERNOVA: CARBON AND OXYGEN ABUNDANCES IN SMSS J031300.36870839.3. <i>Astrophysical Journal Letters</i> , 2015 , 806, L16	7.9	51
73	On the diversity of superluminous supernovae: ejected mass as the dominant factor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 3869-3893	4.3	123
72	Measuring nickel masses in Type Ia supernovae using cobalt emission in nebular phase spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 3816-3842	4.3	55
71	HIGH-RESOLUTION SPECTROSCOPIC STUDY OF EXTREMELY METAL-POOR STAR CANDIDATES FROM THE SKYMAPPER SURVEY. <i>Astrophysical Journal</i> , 2015 , 807, 171	4.7	81
70	A real-time fast radio burst: polarization detection and multiwavelength follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 246-255	4.3	206
69	A single low-energy, iron-poor supernova as the source of metals in the star SMSS J031300.36-670839.3. <i>Nature</i> , 2014 , 506, 463-6	50.4	238
68	Perspective: if not funding then teaching. <i>Nature</i> , 2014 , 511, S81	50.4	
67	Low luminosity Type II supernovae III. Pointing towards moderate mass precursors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 439, 2873-2892	4.3	94
66	HATSouth: A Global Network of Fully Automated Identical Wide-Field Telescopes ¹ . <i>Publications of the Astronomical Society of the Pacific</i> , 2013 , 125, 154-182	5	169
65	GNOSIS: THE FIRST INSTRUMENT TO USE FIBER BRAGG GRATINGS FOR OH SUPPRESSION. <i>Astronomical Journal</i> , 2013 , 145, 51	4.9	47
64	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , 2013 , 30,	5.5	73
63	A Hot Jupiter in a Nearly Polar Orbit. <i>Proceedings of the International Astronomical Union</i> , 2013 , 8, 391-392 ₁		
62	Supernovae, the Accelerating Cosmos, and Dark Energy. <i>Proceedings of the International Astronomical Union</i> , 2012 , 10, 17-17	0.1	
61	THE SPECTROSCOPIC DIVERSITY OF TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2012 , 143, 126	4.9	209

60	SkyMapper Filter Set: Design and Fabrication of Large-Scale Optical Filters. <i>Publications of the Astronomical Society of the Pacific</i> , 2011 , 123, 789-798	5	51
59	Optical Transient Surveys. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 9-10	0.1	
58	A PHOTOMETRIC REDSHIFT OF $z \sim 9.4$ FOR GRB 090429B. <i>Astrophysical Journal</i> , 2011 , 736, 7	4.7	284
57	THE EXTRAGALACTIC DISTANCE SCALE WITHOUT CEPHEIDS. IV.. <i>Astrophysical Journal</i> , 2011 , 733, 75	4.7	8
56	SUBARU HIGH-RESOLUTION SPECTROSCOPY OF STAR G IN THE TYCHO SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2009 , 701, 1665-1672	4.7	101
55	The H I gas content of galaxies around Abell 370, a galaxy cluster at $z = 0.37$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 1447-1470	4.3	66
54	A gamma-ray burst at a redshift of z approximately 8.2. <i>Nature</i> , 2009 , 461, 1254-7	50.4	458
53	A Comprehensive Study of GRB 070125, A Most Energetic Gamma-Ray Burst. <i>Astrophysical Journal</i> , 2008 , 683, 924-942	4.7	61
52	Revealing Substructure in the Galactic Halo: The SEKBO RR Lyrae Survey. <i>Astrophysical Journal</i> , 2008 , 678, 851-864	4.7	69
51	Science with ASKAP. <i>Experimental Astronomy</i> , 2008 , 22, 151-273	1.3	278
50	Constraints on Type Ib/c Supernovae and Gamma-Ray Burst Progenitors. <i>Publications of the Astronomical Society of the Pacific</i> , 2007 , 119, 1211-1232	5	92
49	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 376, 1301-1316	4.3	80
48	ESC and KAIT observations of the transitional Type Ia SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 377, 1531-1552	4.3	99
47	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007 , 24, 174-188	5.5	185
46	Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , 2007 , 666, 694-715	4.7	688
45	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , 2007 , 666, 674-693	4.7	223
44	Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes. <i>Astrophysical Journal</i> , 2007 , 666, 716-725	4.7	446
43	GRB 060505: A Possible Short-Duration Gamma-Ray Burst in a Star-forming Region at a Redshift of 0.09. <i>Astrophysical Journal</i> , 2007 , 662, 1129-1135	4.7	86

42	The SkyMapper Telescope and The Southern Sky Survey. <i>Publications of the Astronomical Society of Australia</i> , 2007 , 24, 1-12	5.5	367
41	A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007 , 664, 1000-1010	4.7	133
40	AnHSTStudy of the Supernovae Accompanying GRB 040924 and GRB 041006. <i>Astrophysical Journal</i> , 2006 , 636, 391-399	4.7	62
39	An Energetic Afterglow from a Distant Stellar Explosion. <i>Astrophysical Journal</i> , 2006 , 646, L99-L102	4.7	55
38	Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. <i>Astrophysical Journal</i> , 2006 , 652, 490-506	4.7	81
37	Hubble Space Telescope and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. <i>Astrophysical Journal</i> , 2006 , 642, 1-21	4.7	145
36	Using Line Profiles to Test the Fraternity of Type Ia Supernovae at High and Low Redshifts. <i>Astronomical Journal</i> , 2006 , 131, 1648-1666	4.9	83
35	The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. <i>Astrophysical Journal</i> , 2006 , 650, 261-271	4.7	218
34	A photometric redshift of $z = 6.39 \pm 0.12$ for GRB 050904. <i>Nature</i> , 2006 , 440, 181-3	50.4	98
33	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. <i>Nature</i> , 2006 , 442, 1014-7	50.4	376
32	A novel explosive process is required for the gamma-ray burst GRB 060614. <i>Nature</i> , 2006 , 444, 1053-5	50.4	264
31	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2005 , 623, L37-L40	4.7	140
30	The afterglow of GRB 050709 and the nature of the short-hard gamma-ray bursts. <i>Nature</i> , 2005 , 437, 845-50	50.4	392
29	The afterglow and elliptical host galaxy of the short gamma-ray burst GRB 050724. <i>Nature</i> , 2005 , 438, 988-90	50.4	290
28	Afterglows, Redshifts, and Properties of Swift Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2005 , 634, 501-508	4.7	88
27	AnHSTSearch for Supernovae Accompanying X-Ray Flashes. <i>Astrophysical Journal</i> , 2005 , 627, 877-887	4.7	77
26	Astronomy. The link between supernovae and gamma ray bursts. <i>Science</i> , 2005 , 308, 1265-6	33.3	1
25	Testing LMC Microlensing Scenarios: The Discrimination Power of the SuperMACHO Microlensing Survey. <i>Astrophysical Journal</i> , 2005 , 634, 1103-1115	4.7	126

24	Twenty-Three High-Redshift Supernovae from the Institute for Astronomy Deep Survey: Doubling the Supernova Sample at $z > 0.7$. <i>Astrophysical Journal</i> , 2004 , 602, 571-594	4.7	366
23	The Detailed Optical Light Curve of GRB 030329. <i>Astrophysical Journal</i> , 2004 , 606, 381-394	4.7	112
22	Hubble Space Telescope Observations of High-Velocity Ly α and H β Emission from Supernova Remnant 1987A: The Structure and Development of the Reverse Shock. <i>Astrophysical Journal</i> , 2003 , 593, 809-830	4.7	41
21	Discovery of GRB 020405 and Its Late Red Bump. <i>Astrophysical Journal</i> , 2003 , 589, 838-843	4.7	74
20	Initial Results from the Southern Edgeworth-Kuiper belt Survey. <i>Earth, Moon and Planets</i> , 2003 , 92, 125-130	4.7	9
19	The bright optical afterglow of the nearby gamma-ray burst of 29 March 2003. <i>Nature</i> , 2003 , 423, 844-7	50.4	106
18	Cosmological Results from High-z Supernovae. <i>Astrophysical Journal</i> , 2003 , 594, 1-24	4.7	1372
17	Modeling the Hubble Space Telescope Ultraviolet and Optical Spectrum of Spot 1 on the Circumstellar Ring of SN 1987A. <i>Astrophysical Journal</i> , 2002 , 572, 906-931	4.7	52
16	Formation of the Black Hole in Nova Scorpii. <i>Astrophysical Journal</i> , 2002 , 567, 491-502	4.7	48
15	Detection of a Supernova Signature Associated with GRB 011121. <i>Astrophysical Journal</i> , 2002 , 572, L45-L49	4.7	135
14	GRB 011121: A Massive Star Progenitor. <i>Astrophysical Journal</i> , 2002 , 572, L51-L55	4.7	88
13	The Faint Optical Afterglow and Host Galaxy of GRB 020124: Implications for the Nature of Dark Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2002 , 581, 981-987	4.7	84
12	The Farthest Known Supernova: Support for an Accelerating Universe and a Glimpse of the Epoch of Deceleration. <i>Astrophysical Journal</i> , 2001 , 560, 49-71	4.7	667
11	Analysis of Type II In SN 1998S: Effects of Circumstellar Interaction on Observed Spectra. <i>Astrophysical Journal</i> , 2001 , 547, 406-411	4.7	29
10	Broadband Observations of the Afterglow of GRB 000926: Observing the Effect of Inverse Compton Scattering. <i>Astrophysical Journal</i> , 2001 , 559, 123-130	4.7	115
9	Preliminary Spectral Analysis of the Type II Supernova 1999em. <i>Astrophysical Journal</i> , 2000 , 545, 444-448	4.7	98
8	The Type Ia Supernova 1998bu in M96 and the Hubble Constant. <i>Astrophysical Journal, Supplement Series</i> , 1999 , 125, 73-97	8	162
7	The High-Z Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. <i>Astrophysical Journal</i> , 1998 , 507, 46-63	4.7	1039

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| 6 | Supernova Limits on the Cosmic Equation of State. <i>Astrophysical Journal</i> , 1998 , 509, 74-79 | 4.7 | 605 |
| 5 | New [ITAL]Hubble Space Telescope[/ITAL] Observations of High-Velocity L[CLC]y[/CLC] and H β SNR 1987A. <i>Astrophysical Journal</i> , 1998 , 509, L117-L120 | 4.7 | 30 |
| 4 | The unusual supernova SN1993J in the galaxy M81. <i>Nature</i> , 1993 , 364, 600-602 | 50.4 | 53 |
| 3 | A possible low-mass type Ia supernova. <i>Nature</i> , 1993 , 365, 728-730 | 50.4 | 59 |
| 2 | SN 1991bg - A type Ia supernova with a difference. <i>Astronomical Journal</i> , 1993 , 105, 301 | 4.9 | 241 |
| 1 | Expanding photospheres of type II supernovae and the extragalactic distance scale. <i>Astrophysical Journal</i> , 1992 , 395, 366 | 4.7 | 134 |