

# Brian Schmidt

## List of Publications by Citations

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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	Cosmological Results from High-zSupernovae. <i>Astrophysical Journal</i> , <b>2003</b> , 594, 1-24	4.7	1372
76	The High-Z Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. <i>Astrophysical Journal</i> , <b>1998</b> , 507, 46-63	4.7	1039
75	Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 694-715	4.7	688
74	The Farthest Known Supernova: Support for an Accelerating Universe and a Glimpse of the Epoch of Deceleration. <i>Astrophysical Journal</i> , <b>2001</b> , 560, 49-71	4.7	667
73	Supernova Limits on the Cosmic Equation of State. <i>Astrophysical Journal</i> , <b>1998</b> , 509, 74-79	4.7	605
72	A gamma-ray burst at a redshift of $z$ approximately 8.2. <i>Nature</i> , <b>2009</b> , 461, 1254-7	50.4	458
71	Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 716-725	4.7	446
70	The afterglow of GRB 050709 and the nature of the short-hard gamma-ray bursts. <i>Nature</i> , <b>2005</b> , 437, 845-50	50.4	392
69	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. <i>Nature</i> , <b>2006</b> , 442, 1014-7	50.4	376
68	The SkyMapper Telescope and The Southern Sky Survey. <i>Publications of the Astronomical Society of Australia</i> , <b>2007</b> , 24, 1-12	5.5	367
67	Twenty-Three High-Redshift Supernovae from the Institute for Astronomy Deep Survey: Doubling the Supernova Sample at $z > 0.7$ . <i>Astrophysical Journal</i> , <b>2004</b> , 602, 571-594	4.7	366
66	The afterglow and elliptical host galaxy of the short gamma-ray burst GRB 050724. <i>Nature</i> , <b>2005</b> , 438, 988-90	50.4	290
65	A PHOTOMETRIC REDSHIFT OF $z \sim 9.4$ FOR GRB 090429B. <i>Astrophysical Journal</i> , <b>2011</b> , 736, 7	4.7	284
64	Science with ASKAP. <i>Experimental Astronomy</i> , <b>2008</b> , 22, 151-273	1.3	278
63	A novel explosive process is required for the gamma-ray burst GRB 060614. <i>Nature</i> , <b>2006</b> , 444, 1053-5	50.4	264
62	SN 1991bg - A type IA supernova with a difference. <i>Astronomical Journal</i> , <b>1993</b> , 105, 301	4.9	241
61	A single low-energy, iron-poor supernova as the source of metals in the star SMSS J031300.36-670839.3. <i>Nature</i> , <b>2014</b> , 506, 463-6	50.4	238

60	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 674-693	4.7	223
59	The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. <i>Astrophysical Journal</i> , <b>2006</b> , 650, 261-271	4.7	218
58	THE SPECTROSCOPIC DIVERSITY OF TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , <b>2012</b> , 143, 126	4.9	209
57	A real-time fast radio burst: polarization detection and multiwavelength follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 447, 246-255	4.3	206
56	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , <b>2007</b> , 24, 174-188	5.5	185
55	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
54	HATSouth: A Global Network of Fully Automated Identical Wide-Field Telescopes <sup>1</sup> . <i>Publications of the Astronomical Society of the Pacific</i> , <b>2013</b> , 125, 154-182	5	169
53	The Type Ia Supernova 1998bu in M96 and the Hubble Constant. <i>Astrophysical Journal, Supplement Series</i> , <b>1999</b> , 125, 73-97	8	162
52	Hubble Space Telescope and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. <i>Astrophysical Journal</i> , <b>2006</b> , 642, 1-21	4.7	145
51	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. <i>Astrophysical Journal</i> , <b>2005</b> , 623, L37-L40	4.7	140
50	Detection of a Supernova Signature Associated with GRB 011121. <i>Astrophysical Journal</i> , <b>2002</b> , 572, L45-L49	4.9	135
49	Expanding photospheres of type II supernovae and the extragalactic distance scale. <i>Astrophysical Journal</i> , <b>1992</b> , 395, 366	4.7	134
48	A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2007</b> , 664, 1000-1010	4.7	133
47	Testing LMC Microlensing Scenarios: The Discrimination Power of the SuperMACHO Microlensing Survey. <i>Astrophysical Journal</i> , <b>2005</b> , 634, 1103-1115	4.7	126
46	On the diversity of superluminous supernovae: ejected mass as the dominant factor. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 3869-3893	4.3	123
45	Broadband Observations of the Afterglow of GRB 000926: Observing the Effect of Inverse Compton Scattering. <i>Astrophysical Journal</i> , <b>2001</b> , 559, 123-130	4.7	115
44	The Detailed Optical Light Curve of GRB 030329. <i>Astrophysical Journal</i> , <b>2004</b> , 606, 381-394	4.7	112
43	The bright optical afterglow of the nearby gamma-ray burst of 29 March 2003. <i>Nature</i> , <b>2003</b> , 423, 844-7	50.4	106

42	SUBARU HIGH-RESOLUTION SPECTROSCOPY OF STAR G IN THE TYCHO SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , <b>2009</b> , 701, 1665-1672	4.7	101
41	ESC and KAIT observations of the transitional Type Ia SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 377, 1531-1552	4.3	99
40	A photometric redshift of $z = 6.39 \pm 0.12$ for GRB 050904. <i>Nature</i> , <b>2006</b> , 440, 181-3	50.4	98
39	Preliminary Spectral Analysis of the Type II Supernova 1999em. <i>Astrophysical Journal</i> , <b>2000</b> , 545, 444-448	4.7	98
38	Low luminosity Type II supernovae III. Pointing towards moderate mass precursors. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 2873-2892	4.3	94
37	Constraints on Type Ib/c Supernovae and Gamma-Ray Burst Progenitors. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2007</b> , 119, 1211-1232	5	92
36	Afterglows, Redshifts, and Properties of Swift Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2005</b> , 634, 501-508	4.7	88
35	GRB 011121: A Massive Star Progenitor. <i>Astrophysical Journal</i> , <b>2002</b> , 572, L51-L55	4.7	88
34	GRB 060505: A Possible Short-Duration Gamma-Ray Burst in a Star-forming Region at a Redshift of 0.09. <i>Astrophysical Journal</i> , <b>2007</b> , 662, 1129-1135	4.7	86
33	The Faint Optical Afterglow and Host Galaxy of GRB 020124: Implications for the Nature of Dark Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2002</b> , 581, 981-987	4.7	84
32	Using Line Profiles to Test the Fraternity of Type Ia Supernovae at High and Low Redshifts. <i>Astronomical Journal</i> , <b>2006</b> , 131, 1648-1666	4.9	83
31	HIGH-RESOLUTION SPECTROSCOPIC STUDY OF EXTREMELY METAL-POOR STAR CANDIDATES FROM THE SKYMAPPER SURVEY. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 171	4.7	81
30	Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. <i>Astrophysical Journal</i> , <b>2006</b> , 652, 490-506	4.7	81
29	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 376, 1301-1316	4.3	80
28	An HST Search for Supernovae Accompanying X-Ray Flashes. <i>Astrophysical Journal</i> , <b>2005</b> , 627, 877-887	4.7	77
27	Discovery of GRB 020405 and Its Late Red Bump. <i>Astrophysical Journal</i> , <b>2003</b> , 589, 838-843	4.7	74
26	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , <b>2013</b> , 30,	5.5	73
25	Revealing Substructure in the Galactic Halo: The SEKBO RR Lyrae Survey. <i>Astrophysical Journal</i> , <b>2008</b> , 678, 851-864	4.7	69

24	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> , <b>2009</b> , 399, 1447-1470	4.3	66
23	An HST Study of the Supernovae Accompanying GRB 040924 and GRB 041006. <i>Astrophysical Journal</i> , <b>2006</b> , 636, 391-399	4.7	62
22	A Comprehensive Study of GRB 070125, A Most Energetic Gamma-Ray Burst. <i>Astrophysical Journal</i> , <b>2008</b> , 683, 924-942	4.7	61
21	A possible low-mass type Ia supernova. <i>Nature</i> , <b>1993</b> , 365, 728-730	50.4	59
20	Measuring nickel masses in Type Ia supernovae using cobalt emission in nebular phase spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 3816-3842	4.3	55
19	An Energetic Afterglow from a Distant Stellar Explosion. <i>Astrophysical Journal</i> , <b>2006</b> , 646, L99-L102	4.7	55
18	The unusual supernova SN1993J in the galaxy M81. <i>Nature</i> , <b>1993</b> , 364, 600-602	50.4	53
17	Modeling the Hubble Space Telescope Ultraviolet and Optical Spectrum of Spot 1 on the Circumstellar Ring of SN 1987A. <i>Astrophysical Journal</i> , <b>2002</b> , 572, 906-931	4.7	52
16	NUCLEOSYNTHESIS IN A PRIMORDIAL SUPERNOVA: CARBON AND OXYGEN ABUNDANCES IN SMSS J031300.36870839.3. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 806, L16	7.9	51
15	SkyMapper Filter Set: Design and Fabrication of Large-Scale Optical Filters. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2011</b> , 123, 789-798	5	51
14	Formation of the Black Hole in Nova Scorpii. <i>Astrophysical Journal</i> , <b>2002</b> , 567, 491-502	4.7	48
13	GNOSIS: THE FIRST INSTRUMENT TO USE FIBER BRAGG GRATINGS FOR OH SUPPRESSION. <i>Astronomical Journal</i> , <b>2013</b> , 145, 51	4.9	47
12	Hubble Space Telescope Observations of High-Velocity Ly $\alpha$ and H $\beta$ Emission from Supernova Remnant 1987A: The Structure and Development of the Reverse Shock. <i>Astrophysical Journal</i> , <b>2003</b> , 593, 809-830	4.7	41
11	SN 2012fr: Ultraviolet, Optical, and Near-infrared Light Curves of a Type Ia Supernova Observed within a Day of Explosion. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 24	4.7	37
10	New Hubble Space Telescope Observations of High-Velocity Ly $\alpha$ and H $\beta$ in SNR 1987A. <i>Astrophysical Journal</i> , <b>1998</b> , 509, L117-L120	4.7	30
9	Analysis of Type II In SN 1998S: Effects of Circumstellar Interaction on Observed Spectra. <i>Astrophysical Journal</i> , <b>2001</b> , 547, 406-411	4.7	29
8	The ANU WiFeS SuperNova Programme (AWSNAP). <i>Publications of the Astronomical Society of Australia</i> , <b>2016</b> , 33,	5.5	28
7	Initial Results from the Southern Edgeworth-Kuiper belt Survey. <i>Earth, Moon and Planets</i> , <b>2003</b> , 92, 125-130		9

6	THE EXTRAGALACTIC DISTANCE SCALE WITHOUT CEPHEIDS. IV.. <i>Astrophysical Journal</i> , <b>2011</b> , 733, 75	4.7	8
5	Astronomy. The link between supernovae and gamma ray bursts. <i>Science</i> , <b>2005</b> , 308, 1265-6	33.3	1
4	Perspective: if not funding then teaching. <i>Nature</i> , <b>2014</b> , 511, S81	50.4	
3	A Hot Jupiter in a Nearly Polar Orbit. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 391-392	2.1	
2	Optical Transient Surveys. <i>Proceedings of the International Astronomical Union</i> , <b>2011</b> , 7, 9-10	0.1	
1	Supernovae, the Accelerating Cosmos, and Dark Energy. <i>Proceedings of the International Astronomical Union</i> , <b>2012</b> , 10, 17-17	0.1	