

Vikram Dwarkadas

List of Publications by Year in descending order

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76
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2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionization-Gasdynamic Simulations of Wind-Blown Nebulae around Massive Stars. <i>Galaxies</i> , 2022, 10, 37.	3.0	6
2	A Long-Term Study of Ultraluminous X-ray Sources in NGC 891. <i>Universe</i> , 2022, 8, 18.	2.5	3
3	Seven Years of SN 2014C: A Multiwavelength Synthesis of an Extraordinary Supernova. <i>Astrophysical Journal</i> , 2022, 930, 57.	4.5	9
4	X-Ray Luminosity of Decades-old Supernovae. <i>Research Notes of the AAS</i> , 2021, 5, 191.	0.7	0
5	Can the Fe K-alpha Line Reliably Predict Supernova Remnant Progenitors?. <i>Astrophysical Journal</i> , 2021, 922, 67.	4.5	4
6	Time-dependent high-energy gamma-ray signal from accelerated particles in core-collapse supernovae: the case of SN 1993J. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2760-2765.	4.4	13
7	Evidence for Proton Acceleration up to TeV Energies Based on VERITAS and Fermi-LAT Observations of the Cas A SNR. <i>Astrophysical Journal</i> , 2020, 894, 51.	4.5	34
8	Smoothed particle inference analysis and abundance calculations of DEM L71, and comparison to SN explosion models. <i>Astronomische Nachrichten</i> , 2020, 341, 163-169.	1.2	5
9	From Supernova to Remnant: Tracking the Evolution of the Oldest Known X-Ray Supernovae. <i>Astrophysical Journal</i> , 2020, 901, 119.	4.5	7
10	Analysis of XMM-Newton Observations of Supernova Remnant W49B and Clues to the Progenitor. <i>Astrophysical Journal</i> , 2020, 904, 175.	4.5	10
11	The Explosion and Progenitor Properties of Type IIP Supernovae Inferred from MESA and STELLA Modeling. <i>Research Notes of the AAS</i> , 2020, 4, 114.	0.7	0
12	Elemental Abundances in Supernova Remnant W49B as Clues to Its Progenitor. <i>Research Notes of the AAS</i> , 2020, 4, 126.	0.7	0
13	Would SN 1993J Have Been Detected by Next-generation Cerenkov Instruments?. <i>Research Notes of the AAS</i> , 2020, 4, 115.	0.7	0
14	Supernova X-Ray Database (SNaX) Updated to Ensure Long-term Stability. <i>Research Notes of the AAS</i> , 2020, 4, 195.	0.7	2
15	The exceptional X-ray evolution of SN 1996cr in high resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4536-4564.	4.4	8
16	Excavating the Explosion and Progenitor Properties of Type IIP Supernovae via Modeling of their Optical Light Curves. <i>Astrophysical Journal</i> , 2019, 880, 59.	4.5	16
17	Smoothed Particle Inference Analysis of SNR DEM L71. <i>Astrophysical Journal</i> , 2019, 875, 14.	4.5	5
18	Interaction of SN Ib 2004dk with a Previously Expelled Envelope. <i>Astrophysical Journal</i> , 2019, 883, 120.	4.5	14

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19	X-ray emission from SN 2012ca: A Type Ia-CSM supernova explosion in a dense surrounding medium. Monthly Notices of the Royal Astronomical Society, 2018, 473, 336-344.	4.4	38
20	Triggered Star Formation inside the Shell of a Wolf-Rayet Bubble as the Origin of the Solar System. Proceedings of the International Astronomical Union, 2018, 14, 78-82.	0.0	0
21	Massive star mass-loss revealed by X-ray observations of young supernovae. Proceedings of the International Astronomical Union, 2018, 14, 83-87.	0.0	1
22	Core-collapse supernovae as cosmic ray sources. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4470-4485.	4.4	33
23	Gamma-ray Observations of Tycho's Supernova Remnant with VERITAS and Fermi. Astrophysical Journal, 2017, 836, 23.	4.5	55
24	SNaX: A Database of Supernova X-Ray Light Curves. Astronomical Journal, 2017, 153, 246.	4.7	23
25	Triggered Star Formation inside the Shell of a Wolf-Rayet Bubble as the Origin of the Solar System. Astrophysical Journal, 2017, 851, 147.	4.5	45
26	PROBING FINAL STAGES OF STELLAR EVOLUTION WITH X-RAY OBSERVATIONS OF SN 2013ej. Astrophysical Journal, 2016, 817, 22.	4.5	32
27	X-ray and radio emission from the luminous supernova 2005kd. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1101-1110.	4.4	25
28	Using the X-ray Lightcurves of Young Supernovae to Probe the Stellar Environment and Supernova Progenitors. Proceedings of the International Astronomical Union, 2015, 11, 223-224.	0.0	0
29	Red Supergiant Stars as Supernova Progenitors – the X-ray Perspective. Proceedings of the International Astronomical Union, 2015, 11, 450-451.	0.0	0
30	SN 2013ej: A TYPE IIL SUPERNOVA WITH WEAK SIGNS OF INTERACTION. Astrophysical Journal, 2015, 806, 160.	4.5	59
31	On the lack of X-ray bright Type IIP supernovae. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1917-1924.	4.4	56
32	SPATIALLY RESOLVING THE VERY HIGH ENERGY EMISSION FROM MGRO J2019+37 WITH VERITAS. Astrophysical Journal, 2014, 788, 78.	4.5	46
33	INVESTIGATING THE TeV MORPHOLOGY OF MGRO J1908+06 WITH VERITAS. Astrophysical Journal, 2014, 787, 166.	4.5	34
34	ELECTRON COOLING IN A YOUNG RADIO SUPERNOVA: SN 2012aw. Astrophysical Journal, 2014, 782, 30.	4.5	12
35	UNCOVERING THE PUTATIVE B-STAR BINARY COMPANION OF THE SN 1993J PROGENITOR. Astrophysical Journal, 2014, 790, 17.	4.5	88
36	DISCOVERY OF TeV GAMMA-RAY EMISSION TOWARD SUPERNOVA REMNANT SNR G78.2+2.1. Astrophysical Journal, 2013, 770, 93.	4.5	46

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37	Supernova remnant evolution in wind bubbles: A closer look at Kes 27. High Energy Density Physics, 2013, 9, 22-25.	1.5	1
38	Simulated X-ray spectra from ionized wind-blown nebulae around massive stars. High Energy Density Physics, 2013, 9, 226-230.	1.5	19
39	Exploring the \hat{A} -ray emissivity of young supernova remnants - I. Hadronic emission. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3368-3377.	4.4	16
40	Performing a stellar autopsy using the radio-bright remnant of SN \hat{A} 1996cr. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2453-2463.	4.4	8
41	THE PROGENITOR OF SN 2011ja: CLUES FROM CIRCUMSTELLAR INTERACTION. Astrophysical Journal, 2013, 774, 30.	4.5	21
42	The optical photometric and spectroscopic investigation of Type IIP supernova 2012A. Proceedings of the International Astronomical Union, 2013, 9, 116-120.	0.0	0
43	Radio Observations Of A Nearby Type IIP SN 2012aw. Proceedings of the International Astronomical Union, 2013, 9, 112-115.	0.0	0
44	The strange case of SN 2011ja and its host. Proceedings of the International Astronomical Union, 2013, 9, 342-343.	0.0	0
45	DISCOVERY OF TeV GAMMA-RAY EMISSION FROM CTA 1 BY VERITAS. Astrophysical Journal, 2013, 764, 38.	4.5	31
46	Acceleration of cosmic rays by young core-collapse supernova remnants. Astronomy and Astrophysics, 2013, 552, A102.	5.1	31
47	EVOLUTION AND HYDRODYNAMICS OF THE VERY BROAD X-RAY LINE EMISSION IN SN 1987A. Astrophysical Journal, 2012, 752, 103.	4.5	31
48	VERITAS OBSERVATIONS OF THE NOVA IN V407 CYGNI. Astrophysical Journal, 2012, 754, 77.	4.5	24
49	What are published X-ray light curves telling us about young supernova expansion?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1515-1524.	4.4	107
50	On luminous blue variables as the progenitors of core-collapse supernovae, especially Type IIn supernovae. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1639-1649.	4.4	47
51	Bursting SN 1996cr's bubble: hydrodynamic and X-ray modelling of its circumstellar medium. Monthly Notices of the Royal Astronomical Society, 2010, 407, 812-829.	4.4	42
52	OBSERVATION OF EXTENDED VERY HIGH ENERGY EMISSION FROM THE SUPERNOVA REMNANT IC 443 WITH VERITAS. Astrophysical Journal, 2009, 698, L133-L137.	4.5	116
53	X-RAYS FROM THE EXPLOSION SITE: 15 YEARS OF LIGHT CURVES OF SN 1993J. Astrophysical Journal, 2009, 699, 388-399.	4.5	44
54	An infrared ring around the magnetar SGR \hat{A} 1900+14. Nature, 2008, 453, 626-628.	27.8	18

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55	Supernova 1996cr: SN 1987A's Wild Cousin?. <i>Astrophysical Journal</i> , 2008, 688, 1210-1234.	4.5	54
56	Turbulence in wind-blown bubbles around massive stars. <i>Physica Scripta</i> , 2008, T132, 014024.	2.5	8
57	SN 1993J VLBI. IV. A Geometric Distance to M81 with the Expanding Shock Front Method. <i>Astrophysical Journal</i> , 2007, 668, 924-940.	4.5	44
58	The Evolution of Supernovae in Circumstellar Wind Bubbles. II. Case of a Wolf-Rayet Star. <i>Astrophysical Journal</i> , 2007, 667, 226-247.	4.5	99
59	Hydrodynamics of Supernova Evolution in the Winds of Massive Stars. <i>Astrophysics and Space Science</i> , 2007, 307, 153-158.	1.4	12
60	Optical Emission Band Morphologies of the Red Rectangle. <i>Astrophysical Journal</i> , 2006, 653, 1336-1341.	4.5	18
61	Time-resolved spectroscopy of GRB 021004 reveals a clumpy extended wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1791-1798.	4.4	14
62	r-process elements in globular clusters. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 403-404.	0.0	0
63	Simulated Radio Images and Light Curves of SN 1993J. <i>International Astronomical Union Colloquium</i> , 2005, 192, 47-52.	0.1	0
64	The Evolution of Supernovae in Circumstellar Wind-blown Bubbles. I. Introduction and One-Dimensional Calculations. <i>Astrophysical Journal</i> , 2005, 630, 892-910.	4.5	132
65	Radiatively Driven Winds and the Shaping of Bipolar Luminous Blue Variable Nebulae. <i>Astrophysical Journal</i> , 2002, 581, 1337-1343.	4.5	64
66	Simulated Radio Images and Light Curves of Young Supernovae. <i>Astrophysical Journal</i> , 2001, 562, 869-879.	4.5	36
67	Supernova Remnants, Pulsars and the Interstellar Medium. <i>Publications of the Astronomical Society of Australia</i> , 2000, 17, 83-91.	3.4	0
68	Interaction of Type Ia Supernovae with Their Surroundings: The Exponential Profile in Two Dimensions. <i>Astrophysical Journal</i> , 2000, 541, 418-427.	4.5	40
69	The Morphology of Planetary Nebulae: Simulations with Time-evolving Winds. <i>Astrophysical Journal</i> , 1998, 497, 267-275.	4.5	55
70	Interaction of Type Ia Supernovae with Their Surroundings. <i>Astrophysical Journal</i> , 1998, 497, 807-823.	4.5	166
71	On the Formation of the Homunculus Nebula around η -Carinae. <i>Astronomical Journal</i> , 1998, 116, 829-839.	4.7	46
72	The Shaping of Planetary Nebulae: Asymmetry in the External Wind. <i>Astrophysical Journal</i> , 1996, 457, 773.	4.5	44

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73	Gasdynamical Stability of Shear Flow in Spiral Arms of Disk Galaxies. <i>Astrophysical Journal</i> , 1996, 467, 87.	4.5	26
74	The Presupernova H [CSC]ii/[CSC] Region around SN 1987A. <i>Astrophysical Journal</i> , 1995, 452, .	4.5	130
75	The first days of type II-P core collapse supernovae in the gamma-ray range. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	4
76	An Exploration of X-ray Supernova Remnants in the Milky Way and Nearby Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1