Vikram Dwarkadas

List of Publications by Year
in descending order

76	2,278	159585 30	214800 47
papers	citations	h-index	g-index

76	76	76	2318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Type Ia Supernovae with Their Surroundings. Astrophysical Journal, 1998, 497, 807-823.	4.5	166
2	The Evolution of Supernovae in Circumstellar Windâ€Blown Bubbles. I. Introduction and Oneâ€Dimensional Calculations. Astrophysical Journal, 2005, 630, 892-910.	4.5	132
3	The Presupernova H [CSC]ii[/CSC] Region around SN 1987A. Astrophysical Journal, 1995, 452, .	4.5	130
4	OBSERVATION OF EXTENDED VERY HIGH ENERGY EMISSION FROM THE SUPERNOVA REMNANT IC 443 WITH VERITAS. Astrophysical Journal, 2009, 698, L133-L137.	4.5	116
5	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
6	The Evolution of Supernovae in Circumstellar Wind Bubbles. II. Case of a Wolfâ€Rayet Star. Astrophysical Journal, 2007, 667, 226-247.	4.5	99
7	UNCOVERING THE PUTATIVE B-STAR BINARY COMPANION OF THE SN 1993J PROGENITOR. Astrophysical Journal, 2014, 790, 17.	4.5	88
8	Radiatively Driven Winds and the Shaping of Bipolar Luminous Blue Variable Nebulae. Astrophysical Journal, 2002, 581, 1337-1343.	4.5	64
9	SN 2013ej: A TYPE IIL SUPERNOVA WITH WEAK SIGNS OF INTERACTION. Astrophysical Journal, 2015, 806, 160.	4.5	59
10	On the lack of X-ray bright Type IIP supernovae. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1917-1924.	4.4	56
11	The Morphology of Planetary Nebulae: Simulations with Timeâ€evolving Winds. Astrophysical Journal, 1998, 497, 267-275.	4.5	55
12	Gamma-ray Observations of Tychoâ€™s Supernova Remnant with VERITAS and Fermi. Astrophysical Journal, 2017, 836, 23.	4.5	55
13	Supernova 1996cr: SN 1987Aâ€™s Wild Cousin?. Astrophysical Journal, 2008, 688, 1210-1234.	4.5	54
14	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
15	DISCOVERY OF TeV GAMMA-RAY EMISSION TOWARD SUPERNOVA REMNANT SNR G78.2+2.1. Astrophysical Journal, 2013, 770, 93.	4.5	46
16	SPATIALLY RESOLVING THE VERY HIGH ENERGY EMISSION FROM MGRO J2019+37 WITH VERITAS. Astrophysical Journal, 2014, 788, 78.	4.5	46
17	On the Formation of the Homunculus Nebula around Î· Carinae. Astronomical Journal, 1998, 116, 829-839.	4.7	46
18	Triggered Star Formation inside the Shell of a Wolfâ€“Rayet Bubble as the Origin of the Solar System. Astrophysical Journal, 2017, 851, 147.	4.5	45

#	Article	IF	Citations
19	SN 1993J VLBI. IV. A Geometric Distance to M81 with the Expanding Shock Front Method. Astrophysical Journal, 2007, 668, 924-940.	4.5	44
20	X-RAYS FROM THE EXPLOSION SITE: 15 YEARS OF LIGHT CURVES OF SN 1993J. Astrophysical Journal, 2009, 699, 388-399.	4.5	44
21	The Shaping of Planetary Nebulae: Asymmetry in the External Wind. Astrophysical Journal, 1996, 457, 773.	4.5	44
22	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
23	Interaction of Type Ia Supernovae with Their Surroundings: The Exponential Profile in Two Dimensions. Astrophysical Journal, 2000, 541, 418-427.	4.5	40
24	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
25	Simulated Radio Images and Light Curves of Young Supernovae. Astrophysical Journal, 2001, 562, 869-879.	4.5	36
26	INVESTIGATING THE TeV MORPHOLOGY OF MGRO J1908+06 WITH VERITAS. Astrophysical Journal, 2014, 787, 166.	4.5	34
27	Evidence for Proton Acceleration up to TeV Energies Based on VERITAS and Fermi-LAT Observations of the Cas A SNR. Astrophysical Journal, 2020, 894, 51.	4.5	34
28	Core-collapse supernovae as cosmic ray sources. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4470-4485.	4.4	33
29	PROBING FINAL STAGES OF STELLAR EVOLUTION WITH X-RAY OBSERVATIONS OF SN 2013ej. Astrophysical Journal, 2016, 817, 22.	4.5	32
30	EVOLUTION AND HYDRODYNAMICS OF THE VERY BROAD X-RAY LINE EMISSION IN SN 1987A. Astrophysical Journal, 2012, 752, 103.	4.5	31
31	DISCOVERY OF TeV GAMMA-RAY EMISSION FROM CTA 1 BY VERITAS. Astrophysical Journal, 2013, 764, 38.	4.5	31
32	Acceleration of cosmic rays by young core-collapse supernova remnants. Astronomy and Astrophysics, 2013, 552, A102.	5.1	31
33	Gasdynamical Stability of Shear Flow in Spiral Arms of Disk Galaxies. Astrophysical Journal, 1996, 467, 87.	4.5	26
34	X-ray and radio emission from the luminous supernova 2005kd. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1101-1110.	4.4	25
35	VERITAS OBSERVATIONS OF THE NOVA IN V407 CYGNI. Astrophysical Journal, 2012, 754, 77.	4.5	24
36	SNaX: A Database of Supernova X-Ray Light Curves. Astronomical Journal, 2017, 153, 246.	4.7	23

#	Article	IF	Citations
37	THE PROGENITOR OF SN 2011ja: CLUES FROM CIRCUMSTELLAR INTERACTION. Astrophysical Journal, 2013, 774, 30.	4.5	21
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	Optical Emission Band Morphologies of the Red Rectangle. Astrophysical Journal, 2006, 653, 1336-1341.	4.5	18
40	An infrared ring around the magnetar SGRâ€‰1900+14. Nature, 2008, 453, 626-628.	27.8	18
41	Exploring the Â-ray emissivity of young supernova remnants - I. Hadronic emission. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3368-3377.	4.4	16
42	Excavating the Explosion and Progenitor Properties of Type IIP Supernovae via Modeling of their Optical Light Curves. Astrophysical Journal, 2019, 880, 59.	4.5	16
43	Time-resolved spectroscopy of GRB 021004 reveals a clumpy extended wind. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1791-1798.	4.4	14
44	Interaction of SN Ib 2004dk with a Previously Expelled Envelope. Astrophysical Journal, 2019, 883, 120.	4.5	14
45	Time-dependent high-energy gamma-ray signal from accelerated particles in core-collapse supernovae: the case of SNÂ1993J. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2760-2765.	4.4	13
46	Hydrodynamics of Supernova Evolution in the Winds of Massive Stars. Astrophysics and Space Science, 2007, 307, 153-158.	1.4	12
47	ELECTRON COOLING IN A YOUNG RADIO SUPERNOVA: SN 2012aw. Astrophysical Journal, 2014, 782, 30.	4.5	12
48	Analysis of XMM-Newton Observations of Supernova Remnant W49B and Clues to the Progenitor. Astrophysical Journal, 2020, 904, 175.	4.5	10
49	Seven Years of SN 2014C: A Multiwavelength Synthesis of an Extraordinary Supernova. Astrophysical Journal, 2022, 930, 57.	4.5	9
50	Performing a stellar autopsy using the radio-bright remnant of SNÂ1996cr. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2453-2463.	4.4	8
51	The exceptional X-ray evolution of SNâ€‰1996cr in high resolution. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4536-4564.	4.4	8
52	Turbulence in wind-blown bubbles around massive stars. Physica Scripta, 2008, T132, 014024.	2.5	8
53	From Supernova to Remnant: Tracking the Evolution of the Oldest Known X-Ray Supernovae. Astrophysical Journal, 2020, 901, 119.	4.5	7
54	Ionization-Gasdynamic Simulations of Wind-Blown Nebulae around Massive Stars. Galaxies, 2022, 10, 37.	3.0	6

#	Article	IF	Citations
55	Smoothed Particle Inference Analysis of SNR DEM L71. Astrophysical Journal, 2019, 875, 14.	4.5	5
56	Smoothed particle inference analysis and abundance calculations of DEM L71, and comparison to SN explosion models. Astronomische Nachrichten, 2020, 341, 163-169.	1.2	5
57	Can the Fe K-alpha Line Reliably Predict Supernova Remnant Progenitors?. Astrophysical Journal, 2021, 922, 67.	4.5	4
58	The first days of type II-P core collapse supernovae in the gamma-ray range. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
59	A Long-Term Study of Ultraluminous X-ray Sources in NGC 891. Universe, 2022, 8, 18.	2.5	3
60	Supernova X-Ray Database (SNaX) Updated to Ensure Long-term Stability. Research Notes of the AAS, 2020, 4, 195.	0.7	2
61	Supernova remnant evolution in wind bubbles: A closer look at Kes 27. High Energy Density Physics, 2013, 9, 22-25.	1.5	1
62	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
63	An Exploration of X-ray Supernova Remnants in the Milky Way and Nearby Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
64	Supernova Remnants, Pulsars and the Interstellar Medium. Publications of the Astronomical Society of Australia, 2000, 17, 83-91.	3.4	0
65	r-process elements in globular clusters. Proceedings of the International Astronomical Union, 2005, 1, 403-404.	0.0	0
66	Simulated Radio Images and Light Curves of SN 1993J. International Astronomical Union Colloquium, 2005, 192, 47-52.	0.1	0
67	The optical photometric and spectroscopic investigation of Type IIP supernova 2012A. Proceedings of the International Astronomical Union, 2013, 9, 116-120.	0.0	0
68	Radio Observations Of A Nearby Type IIP SN 2012aw. Proceedings of the International Astronomical Union, 2013, 9, 112-115.	0.0	0
69	The strange case of SN 2011ja and its host. Proceedings of the International Astronomical Union, 2013, 9, 342-343.	0.0	0
70	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
71	Red Supergiant Stars as Supernova Progenitors â€“ the X-ray Perspective. Proceedings of the International Astronomical Union, 2015, 11, 450-451.	0.0	0
72	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

#	Article	IF	Citations
73	X-Ray Luminosity of Decades-old Supernovae. Research Notes of the AAS, 2021, 5, 191.	0.7	0
74	The Explosion and Progenitor Properties of Type IIP Supernovae Inferred from MESA and STELLA Modeling. Research Notes of the AAS, 2020, 4, 114.	0.7	0
75	Elemental Abundances in Supernova Remnant W49B as Clues to Its Progenitor. Research Notes of the AAS, 2020, 4, 126.	0.7	0
76	Would SN1993J Have Been Detected by Next-generation Cerenkov Instruments?. Research Notes of the AAS, 2020, 4, 115.	0.7	0