

Brajesh Kumar

List of Publications by Year in descending order

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papers

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1115
citing authors

#	ARTICLE	IF	CITATIONS
1	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1031-1049.	4.4	136
2	Supernova 2012aw – a high-energy clone of archetypal Type IIP SN 1999em. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1871-1891.	4.4	74
3	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	4.5	69
4	SN 2008in – BRIDGING THE GAP BETWEEN NORMAL AND FAINT SUPERNOVAE OF TYPE IIP. Astrophysical Journal, 2011, 736, 76.	4.5	68
5	SN 2013ab: a normal Type IIP supernova in NGC 5669. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2373-2392.	4.4	47
6	Light curve and spectral evolution of the Type IIb supernova 2011fu. Monthly Notices of the Royal Astronomical Society, 2013, 431, 308-321.	4.4	45
7	SN 2007uy – metamorphosis of an aspheric Type Ib explosion. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2032-2050.	4.4	25
8	Optical and NIR observations of the nearby type Ia supernova SN 2014J. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1000-1014.	4.4	24
9	Broad-band polarimetric investigation of the Type II-plateau supernova 2013ej. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3157-3167.	4.4	20
10	Photometric and polarimetric observations of fast declining Type II supernovae 2013hj and 2014G. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2712-2730.	4.4	20
11	Photometric, polarimetric, and spectroscopic studies of the luminous, slow-decaying Type Ib SN 2012au. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1229-1253.	4.4	18
12	SN 2008gz - most likely a normal Type IIP event. Monthly Notices of the Royal Astronomical Society, 2011, 414, 167-183.	4.4	16
13	On the observational behaviour of the highly polarized Type IIn supernova SN 2017hcc. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3089-3099.	4.4	16
14	ASASSN-16fp (SN 2016coi): a transitional supernova between Type Ic and broad-lined Ic. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3776-3788.	4.4	15
15	Flash Ionization Signatures in the Type Ibn Supernova SN 2019uo. Astrophysical Journal, 2020, 889, 170.	4.5	15
16	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. Astrophysical Journal, 2020, 892, 28.	4.5	15
17	Discovery and Rapid Follow-up Observations of the Unusual Type II SN 2018ivc in NGC 1068. Astrophysical Journal, 2020, 895, 31.	4.5	14
18	Exploring the optical behaviour of a Type Iax supernova SN 2014dt. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2551-2563.	4.4	13

#	ARTICLE	IF	CITATIONS
19	ASASSN-14dq: a fast-declining Type II-P supernova in a low-luminosity host galaxy. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2475-2500.	4.4	13
20	SN 2018hna: 1987A-like Supernova with a Signature of Shock Breakout. Astrophysical Journal Letters, 2019, 882, L15.	8.3	13
21	Observational Signature of Circumstellar Interaction and ⁵⁶ Ni-mixing in the Type II Supernova 2016gfy. Astrophysical Journal, 2019, 882, 68.	4.5	12
22	Broad-band polarimetric follow-up of Type IIP SN 2012aw. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2-12.	4.4	11
23	SN 2020ank: a bright and fast-evolving H-deficient superluminous supernova. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1678-1693.	4.4	11
24	SN 2020jfo: A Short-plateau Type II Supernova from a Low-mass Progenitor. Astrophysical Journal, 2022, 930, 34.	4.5	11
25	Intermediate luminosity type Iax supernova 2019muj with narrow absorption lines: Long-lasting radiation associated with a possible bound remnant predicted by the weak deflagration model. Publication of the Astronomical Society of Japan, 2021, 73, 1295-1314.	2.5	10
26	SN 2015as: a low-luminosity Type IIb supernova without an early light-curve peak. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3611-3630.	4.4	10
27	SN 2020sck: Deflagration in a Carbon-Oxygen White Dwarf. Astrophysical Journal, 2022, 925, 217.	4.5	10
28	Photometric and spectroscopic evolution of the peculiar Type IIn SN 2012ab. Monthly Notices of the Royal Astronomical Society, 2020, 499, 129-148.	4.4	9
29	Optical studies of two stripped-envelope supernovae – SN 2015ap (Type Ib) and SN 2016P (Type Ic). Monthly Notices of the Royal Astronomical Society, 2020, 497, 3770-3789.	4.4	8
30	The zenithal 4-m International Liquid Mirror Telescope: a unique facility for supernova studies. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2075-2085.	4.4	7
31	MUSSES2020J: The Earliest Discovery of a Fast Blue Ultraluminous Transient at Redshift 1.063. Astrophysical Journal Letters, 2022, 933, L36.	8.3	7
32	Observational properties of a Type Ib supernova MASTER OT J120451.50+265946.6 in NGC 4080. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5438-5452.	4.4	6
33	Probing into emission mechanisms of GRB 190530A using time-resolved spectra and polarization studies: Synchrotron Origin?. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
34	SN 2016B a.k.a. ASASSN-16ab: a transitional Type II supernova. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2850-2872.	4.4	3
35	SN 2017hpa: a carbon-rich Type Ia supernova. Monthly Notices of the Royal Astronomical Society, 2021, 503, 896-910.	4.4	3
36	Upcoming 4m ILMT facility and data reduction pipeline testing. Journal of Astrophysics and Astronomy, 2022, 43, 1.	1.0	3

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37	Investigating the Observational Properties of Type Ib Supernova SN 2017iro. Astrophysical Journal, 2022, 927, 61.	4.5	1