Lokesh Dewangan

List of Publications by Year
in descending order

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		430874	580821
58	840	18	25
papers	citations	h-index	g-index

60	60	60	438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A MULTI-WAVELENGTH STUDY OF STAR FORMATION ACTIVITY IN THE S235 COMPLEX. Astrophysical Journal, 2016, 819, 66.	4.5	46
2	THE PHYSICAL ENVIRONMENT OF THE MASSIVE STAR-FORMING REGION W42. Astrophysical Journal, 2015, 811, 79.	4.5	40
3	MULTIWAVELENGTH STUDY OF THE STAR FORMATION IN THE S237 H ii REGION. Astrophysical Journal, 2017, 834, 22.	4.5	39
4	Infrared photometric study of the massive star-forming region S235 using Spitzer-Infrared Array Camera and JHK observations. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1526-1544.	4.4	35
5	Observational Signatures of Cloudâ€“Cloud Collision in the Extended Star-forming Region S235. Astrophysical Journal, 2017, 849, 65.	4.5	28
6	New Insights in the Mid-infrared Bubble N49 Site: A Clue of Collision of Filamentary Molecular Clouds. Astrophysical Journal, 2017, 851, 140.	4.5	27
7	TRIGGERED STAR FORMATION AROUND MID-INFRARED BUBBLES IN THE G8.14+0.23 H II REGION. Astrophysical Journal, 2012, 756, 151.	4.5	26
8	STAR FORMATION AROUND MID-INFRARED BUBBLE N37: EVIDENCE OF CLOUDâ€“CLOUD COLLISION. Astrophysical Journal, 2016, 833, 85.	4.5	26
9	Observational Signatures of End-dominated Collapse in the S242 Filamentary Structure. Astrophysical Journal, 2019, 877, 1.	4.5	25
10	Star Formation Activity in the Molecular Cloud G35.20â€“0.74: Onset of Cloudâ€“Cloud Collision. Astrophysical Journal, 2017, 837, 44.	4.5	23
11	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ III. Catalogues of candidate hot molecular cores and hyper/ultra compact Hâ€‰<scp>ii</scp> regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2801-2818.	4.4	23
12	New Insights into the H ii Region G18.88â€“0.49: Hubâ€“Filament System and Accreting Filaments. Astrophysical Journal, 2020, 903, 13.	4.5	23
13	Sh2-138: physical environment around a small cluster of massive stars. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4335-4356.	4.4	22
14	Carbon and oxygen isotopic compositions of Newania Dolomite Carbonatites, Rajasthan, India: implications for source of carbonatites. Mineralogy and Petrology, 2010, 98, 269-282.	1.1	20
15	Stellar Cores in the Sh 2-305 H ii Region. Astrophysical Journal, 2020, 891, 81.	4.5	20
16	STAR FORMATION ACTIVITY IN THE GALACTIC H II REGION Sh2-297. Astrophysical Journal, 2012, 759, 48.	4.5	19
17	Hub-filament System in IRAS 05480+2545: Young Stellar Cluster and 6.7 GHz Methanol Maser. Astrophysical Journal, 2017, 844, 15.	4.5	19
18	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ XI. From inflow to infall in hub-filament systems. Monthly Notices of the Royal Astronomical Society, 2022, 514, 6038-6052.	4.4	19

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19	Star Formation in the Sh 2-53 Region Influenced by Accreting Molecular Filaments. Astrophysical Journal, 2018, 852, 119.	4.5	18
20	Star-forming Sites IC 446 and IC 447: An Outcome of End-dominated Collapse of Monoceros R1 Filament. Astrophysical Journal, 2020, 899, 167.	4.5	18
21	Multi-wavelength study of triggered star formation around the mid-infrared bubble N14. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1386-1397.	4.4	17
22	Star formation around the mid-infrared bubble CN 148. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2640-2658.	4.4	17
23	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ V. Hierarchical fragmentation and gas dynamics in IRDC G034.43+00.24. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5009-5022.	4.4	17
24	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ IX. A pilot study towards IRDC G034.43+00.24 on multi-scale structures and gas kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4480-4489.	4.4	17
25	Cloudâ€“Cloud Collision-induced Star Formation in IRAS 18223-1243. Astrophysical Journal, 2018, 861, 19.	4.5	16
26	The Molecular Cloud S242: Physical Environment and Star-formation Activities. Astrophysical Journal, 2017, 845, 34.	4.5	14
27	THE PHYSICAL ENVIRONMENT AROUND IRAS 17599â€“2148: INFRARED DARK CLOUD AND BIPOLAR NEBULA. Astrophysical Journal, 2016, 833, 246.	4.5	13
28	The Study of a System of H ii Regions toward LÂ=Â24.Â°8, BÂ=Â0.Â°1 at the Galactic Bar: Norma Arm Interface. Astrophysical Journal, 2018, 866, 20.	4.5	13
29	Unveiling Molecular Clouds toward Bipolar H ii Region G8.14+0.23. Astrophysical Journal, 2019, 878, 26.	4.5	13
30	Unveiling the Physical Conditions in NGC 6910. Astrophysical Journal, 2020, 896, 29.	4.5	11
31	Simultaneous Evidence of Edge Collapse and Hub-filament Configurations: A Rare Case Study of a Giant Molecular Filament, G45.3+0.1. Astrophysical Journal, 2022, 930, 169.	4.5	11
32	SpitzerIRAC imaging photometric study of the massive star-forming region AFGL 437. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2583-2590.	4.4	10
33	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ VIII. A search for hot cores by using C2H5CN, CH3OCHO, and CH3OH lines. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3463-3476.	4.4	10
34	MASSIVE YOUNG STELLAR OBJECT W42-MME: THE DISCOVERY OF AN INFRARED JET USING VLT/NACO NEAR-INFRARED IMAGES. Astrophysical Journal, 2015, 803, 100.	4.5	8
35	STAR-FORMATION ACTIVITY IN THE NEIGHBORHOOD OF Wâ€“R 1503-160L STAR IN THE MID-INFRARED BUBBLE N46. Astrophysical Journal, 2016, 826, 27.	4.5	8
36	Filamentary Structures and Star Formation Activity in the Sites S234, V582, and IRAS 05231+3512. Astrophysical Journal, 2018, 864, 54.	4.5	8

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37	Investigating Inner and Large-scale Physical Environments of IRAS 17008-4040 and IRAS 17009-4042 toward LÂ=Ã345.Â°5, BÂ=Ã0.Â°3. Astrophysical Journal, 2018, 869, 30.	4.5	8
38	Evidence of Interacting Elongated Filaments in the Star-forming Site AFGL 5142. Astrophysical Journal, 2019, 875, 138.	4.5	8
39	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regionsâ€"VI. On the formation of the â€˜Lâ€™ type filament in G286.21+0.17. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4639-4655.	4.4	8
40	Star Formation and Evolution of Blister-type H ii Region Sh2-112. Astrophysical Journal, 2020, 905, 61.	4.5	8
41	The Diskâ€"Outflow System around the Rare Young O-type Protostar W42-MME. Astrophysical Journal, 2022, 925, 41.	4.5	8
42	Sh 2-301: A Blistered H ii Region Undergoing Star Formation. Astrophysical Journal, 2022, 926, 25.	4.5	7
43	The Embedded Ring-like Feature and Star Formation Activities in G35.673-00.847. Astrophysical Journal, 2018, 854, 106.	4.5	6
44	Influence of Wolfâ€"Rayet Stars on Surrounding Star-forming Molecular Clouds. Astrophysical Journal, 2019, 885, 68.	4.5	6
45	Uncovering distinct environments in an extended physical system around the W33 complex. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1278-1294.	4.4	6
46	Unraveling the inner substructure of new candidate hub-filament system in the Hâ€‰<scp>ii</scp> region G25.4NW. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1152-1161.	4.4	6
47	Magnetic Fields and Star Formation around H II Regions: The S235 Complex. Astrophysical Journal, 2021, 911, 81.	4.5	6
48	The Cluster-forming Site AFGL 5157: Colliding Filamentary Clouds and Star Formation. Astrophysical Journal, 2019, 884, 84.	4.5	6
49	Probing the Physical Conditions and Star Formation Processes in the Galactic H II Region S305. Astrophysical Journal, 2020, 898, 172.	4.5	6
50	New evidences in IRDC G333.73Â+Â0.37: colliding filamentary clouds, hub-filament system, and embedded cores. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2942-2957.	4.4	6
51	Embedded Filaments in IRAS 05463+2652: Early Stage of Fragmentation and Star Formation Activities. Astrophysical Journal, 2017, 848, 51.	4.5	5
52	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€" VII. A catalogue of SiO clumps from ACA observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3618-3635.	4.4	5
53	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€" X. Chemical differentiation among the massive cores in G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4419-4440.	4.4	5
54	Lynds Bright Nebulae: sites of possible twisted filaments and ongoing star formation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 6081-6092.	4.4	4

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55	Ring-like features around young B stars. Astronomy and Astrophysics, 2010, 519, A99.	5.1	1
56	Probing Gas Kinematics and PDR Structure around O-type Stars in the Sh 2-305 H ii Region. Astrophysical Journal, 2021, 922, 207.	4.5	1
57	ALMA discovery of a dual dense probably rotating outflow from a massive young stellar object G18.88MME. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 506, L45-L49.	3.3	0
58	Investigating the Physical Conditions in Extended System Hosting Mid-infrared Bubble N14. Astrophysical Journal, 2020, 898, 41.	4.5	0