

Lokesh Dewangan

List of Publications by Year in descending order

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58
papers

840
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430874

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580821

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times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ VIII. A search for hot cores by using C ₂ H ₅ CN, CH ₃ OCHO, and CH ₃ OH lines. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3463-3476.	4.4	10
4	The Diskâ€™Outflow System around the Rare Young O-type Protostar W42-MME. Astrophysical Journal, 2022, 925, 41.	4.5	8
5	Sh 2-301: A Blistered H ii Region Undergoing Star Formation. Astrophysical Journal, 2022, 926, 25.	4.5	7
6	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
7	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
8	New evidences in IRDC G333.73+0.37: colliding filamentary clouds, hub-filament system, and embedded cores. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2942-2957.	4.4	6
9	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
10	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
11	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
12	Unraveling the inner substructure of new candidate hub-filament system in the Hâ€™ region G25.4NW. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1152-1161.	4.4	6
13	Magnetic Fields and Star Formation around H II Regions: The S235 Complex. Astrophysical Journal, 2021, 911, 81.	4.5	6
14	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ III. Catalogues of candidate hot molecular cores and hyper/ultra compact Hâ€™ regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2801-2818.	4.4	23
15	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
16	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
17	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
18	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

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19	Stellar Cores in the Sh 2-305 H II Region. <i>Astrophysical Journal</i> , 2020, 891, 81.	4.5	20
20	Unveiling the Physical Conditions in NGC 6910. <i>Astrophysical Journal</i> , 2020, 896, 29.	4.5	11
21	Probing the Physical Conditions and Star Formation Processes in the Galactic H II Region S305. <i>Astrophysical Journal</i> , 2020, 898, 172.	4.5	6
22	Star-forming Sites IC 446 and IC 447: An Outcome of End-dominated Collapse of Monoceros R1 Filament. <i>Astrophysical Journal</i> , 2020, 899, 167.	4.5	18
23	New Insights into the H II Region G18.88+0.49: Hub Filament System and Accreting Filaments. <i>Astrophysical Journal</i> , 2020, 903, 13.	4.5	23
24	Star Formation and Evolution of Blister-type H II Region Sh2-112. <i>Astrophysical Journal</i> , 2020, 905, 61.	4.5	8
25	Investigating the Physical Conditions in Extended System Hosting Mid-infrared Bubble N14. <i>Astrophysical Journal</i> , 2020, 898, 41.	4.5	0
26	Observational Signatures of End-dominated Collapse in the S242 Filamentary Structure. <i>Astrophysical Journal</i> , 2019, 877, 1.	4.5	25
27	Evidence of Interacting Elongated Filaments in the Star-forming Site AFGL 5142. <i>Astrophysical Journal</i> , 2019, 875, 138.	4.5	8
28	Unveiling Molecular Clouds toward Bipolar H II Region G8.14+0.23. <i>Astrophysical Journal</i> , 2019, 878, 26.	4.5	13
29	Influence of Wolf-Rayet Stars on Surrounding Star-forming Molecular Clouds. <i>Astrophysical Journal</i> , 2019, 885, 68.	4.5	6
30	The Cluster-forming Site AFGL 5157: Colliding Filamentary Clouds and Star Formation. <i>Astrophysical Journal</i> , 2019, 884, 84.	4.5	6
31	Star Formation in the Sh 2-53 Region Influenced by Accreting Molecular Filaments. <i>Astrophysical Journal</i> , 2018, 852, 119.	4.5	18
32	The Embedded Ring-like Feature and Star Formation Activities in G35.673-00.847. <i>Astrophysical Journal</i> , 2018, 854, 106.	4.5	6
33	Filamentary Structures and Star Formation Activity in the Sites S234, V582, and IRAS 05231+3512. <i>Astrophysical Journal</i> , 2018, 864, 54.	4.5	8
34	Cloud-Cloud Collision-induced Star Formation in IRAS 18223-1243. <i>Astrophysical Journal</i> , 2018, 861, 19.	4.5	16
35	The Study of a System of H II Regions toward L ^A =A ²⁴ .A ⁸ , B ^A =A ⁰ .A ¹ at the Galactic Bar: Norma Arm Interface. <i>Astrophysical Journal</i> , 2018, 866, 20.	4.5	13
36	Investigating Inner and Large-scale Physical Environments of IRAS 17008-4040 and IRAS 17009-4042 toward L ^A =A ³⁴⁵ .A ⁵ , B ^A =A ⁰ .A ³ . <i>Astrophysical Journal</i> , 2018, 869, 30.	4.5	8

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37	MULTIWAVELENGTH STUDY OF THE STAR FORMATION IN THE S237 H II REGION. <i>Astrophysical Journal</i> , 2017, 834, 22.	4.5	39
38	Star Formation Activity in the Molecular Cloud G35.20+0.74: Onset of Cloud-Cloud Collision. <i>Astrophysical Journal</i> , 2017, 837, 44.	4.5	23
39	Embedded Filaments in IRAS 05463+2652: Early Stage of Fragmentation and Star Formation Activities. <i>Astrophysical Journal</i> , 2017, 848, 51.	4.5	5
40	Hub-filament System in IRAS 05480+2545: Young Stellar Cluster and 6.7 GHz Methanol Maser. <i>Astrophysical Journal</i> , 2017, 844, 15.	4.5	19
41	The Molecular Cloud S242: Physical Environment and Star-formation Activities. <i>Astrophysical Journal</i> , 2017, 845, 34.	4.5	14
42	Observational Signatures of Cloud-Cloud Collision in the Extended Star-forming Region S235. <i>Astrophysical Journal</i> , 2017, 849, 65.	4.5	28
43	New Insights in the Mid-infrared Bubble N49 Site: A Clue of Collision of Filamentary Molecular Clouds. <i>Astrophysical Journal</i> , 2017, 851, 140.	4.5	27
44	STAR-FORMATION ACTIVITY IN THE NEIGHBORHOOD OF W R 1503-160L STAR IN THE MID-INFRARED BUBBLE N46. <i>Astrophysical Journal</i> , 2016, 826, 27.	4.5	8
45	STAR FORMATION AROUND MID-INFRARED BUBBLE N37: EVIDENCE OF CLOUD- CLOUD COLLISION. <i>Astrophysical Journal</i> , 2016, 833, 85.	4.5	26
46	THE PHYSICAL ENVIRONMENT AROUND IRAS 17599+2148: INFRARED DARK CLOUD AND BIPOLAR NEBULA. <i>Astrophysical Journal</i> , 2016, 833, 246.	4.5	13
47	A MULTI-WAVELENGTH STUDY OF STAR FORMATION ACTIVITY IN THE S235 COMPLEX. <i>Astrophysical Journal</i> , 2016, 819, 66.	4.5	46
48	Sh2-138: physical environment around a small cluster of massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4335-4356.	4.4	22
49	THE PHYSICAL ENVIRONMENT OF THE MASSIVE STAR-FORMING REGION W42. <i>Astrophysical Journal</i> , 2015, 811, 79.	4.5	40
50	MASSIVE YOUNG STELLAR OBJECT W42-MME: THE DISCOVERY OF AN INFRARED JET USING VLT/NACO NEAR-INFRARED IMAGES. <i>Astrophysical Journal</i> , 2015, 803, 100.	4.5	8
51	Star formation around the mid-infrared bubble CN 148. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 446, 2640-2658.	4.4	17
52	Multi-wavelength study of triggered star formation around the mid-infrared bubble N14. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 1386-1397.	4.4	17
53	TRIGGERED STAR FORMATION AROUND MID-INFRARED BUBBLES IN THE G8.14+0.23 H II REGION. <i>Astrophysical Journal</i> , 2012, 756, 151.	4.5	26
54	STAR FORMATION ACTIVITY IN THE GALACTIC H II REGION Sh2-297. <i>Astrophysical Journal</i> , 2012, 759, 48.	4.5	19

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55	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
56	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
57	<i>Spitzer</i> IRAC 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
58	Ring-like features around young B stars. Astronomy and Astrophysics, 2010, 519, A99.	5.1	1