

Omnarayani Nayak

List of Publications by Year in descending order

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12
papers

346
citations

1163117

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docs citations

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408
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | HIGH-MASS STAR FORMATION TRIGGERED BY COLLISION BETWEEN CO FILAMENTS IN N159 WEST IN THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal Letters</i> , 2015, 807, L4. | 8.3 | 105 |
| 2 | An ALMA View of Molecular Filaments in the Large Magellanic Cloud. II. An Early Stage of High-mass Star Formation Embedded at Colliding Clouds in N159W-South. <i>Astrophysical Journal</i> , 2019, 886, 15. | 4.5 | 50 |
| 3 | An ALMA View of Molecular Filaments in the Large Magellanic Cloud. I. The Formation of High-mass Stars and Pillars in the N159E-Papillon Nebula Triggered by a Cloud-Cloud Collision. <i>Astrophysical Journal</i> , 2019, 886, 14. | 4.5 | 46 |
| 4 | KINEMATIC STRUCTURE OF MOLECULAR GAS AROUND HIGH-MASS YSO, PAPILLON NEBULA, IN N159 EAST IN THE LARGE MAGELLANIC CLOUD: A NEW PERSPECTIVE WITH ALMA. <i>Astrophysical Journal</i> , 2017, 835, 108. | 4.5 | 42 |
| 5 | Evolution of Stellar Feedback in H ii Regions. <i>Astrophysical Journal</i> , 2021, 908, 68. | 4.5 | 41 |
| 6 | The star-forming complex LMC-N79 as a future rival to 30 Doradus. <i>Nature Astronomy</i> , 2017, 1, 784-790. | 10.1 | 26 |
| 7 | The 30 Doradus Molecular Cloud at 0.4 pc Resolution with the Atacama Large Millimeter/submillimeter Array: Physical Properties and the Boundedness of CO-emitting Structures. <i>Astrophysical Journal</i> , 2022, 932, 47. | 4.5 | 15 |
| 8 | Formation of high-mass stars in an isolated environment in the Large Magellanic Cloud. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, . | 2.5 | 8 |
| 9 | Unveiling the nature of candidate high-mass young stellar objects in the Magellanic Clouds with near-IR spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5211-5222. | 4.4 | 6 |
| 10 | An ALMA Study of the Massive Molecular Clump N159W-North in the Large Magellanic Cloud: A Possible Gas Flow Penetrating One of the Most Massive Protocluster Systems in the Local Group. <i>Astrophysical Journal</i> , 2022, 933, 20. | 4.5 | 6 |
| 11 | The Stellar Content of H72.97-69.39, a Potential Super Star Cluster in the Making. <i>Astronomical Journal</i> , 2021, 161, 206. | 4.7 | 1 |
| 12 | Investigating formation of isolated intermediate/massive YSOs in the LMC. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, . | 0.0 | 0 |