List of publications

Dr. Oleg V. Egorov – ZAH/ARI, Heidelberg University

wwwstaff.ari.uni-heidelberg.de/egorov
ORCID 0000-0002-4755-118X

136 refereed publications (132 published, 4 accepted), 7 submitted, and 16 conference proceedings and non-refereed papers; **4 238 citations**, **h-index 36** (SciX/ADS, November 2026).

Among the refereed and submitted papers, **18** are mine as first or corresponding author, **6** are led by a student under my supervision (†), and on **44** further papers I am among the lead contributors – within the first 3 authors, or in the lead author team of a large collaboration. All of these carry a **blue number**.

Papers are listed newest first. The continuously updated record is my public SciX/ADS library.

Refereed publications

132 items

1. Orozco-Duarte R., Méndez-Delgado J.E., Toalá J.A., . . . , **Egorov O.V.**, et al. (29 authors)
   SDSS-V LVM: Revealing the Physical and Chemical Structure of the Helix Nebula
   MNRAS (2026) 2026MNRAS.tmp.1955O
2. Rosales-Ortega F.F., Méndez-Delgado J.E., Guerrero-González J.U., . . . , **Egorov O.**, et al. (19 authors)
   The DESIRED strong-line calibrations: I. New empirical metallicity relations for the local and high-redshift universe
   MNRAS (2026) 2026MNRAS.tmp.1858R
3. Pathak D., Sandstrom K.M., Leroy A.K., . . . , **Egorov O.V.**, et al. (30 authors)
   Mid-infrared Colors Vary with Galactic Environment: Contrasting Star-forming Disks, Young Centers, and Quiescent Star-formation Deserts
   ApJ, **1008**, 35 (2026) 2026ApJ..1008...35P
4. Häberle M., Bizyaev D., Boecker A., . . . , **Egorov O.**, et al. (37 authors)
   SDSS-V Local Volume Mapper (LVM): The integrated light and internal rotation of Omega Centauri
   A&A, **713**, A301 (2026) 2026A&A...713A.301H
5. Emsellem E., Sutter J., Chown R., . . . , **Egorov O.V.**, et al. (29 authors)
   A steep mass transition for bar-driven interstellar medium structuring revealed by PHANGS-JWST
   A&A, **713**, A155 (2026) 2026A&A...713A.155E
6. SDSS Collaboration, Aghakhanloo M., Aird J., . . . , **Egorov O.**, et al. (212 authors)
   The Nineteenth Data Release of the Sloan Digital Sky Survey
   ApJS, **285**, 9 (2026) 2026ApJS..285....9S
7. Tanchon E., Boquien M., Chastenet J., Dale D.A., **Egorov O.V.**, Indebetouw R., et al. (22 authors)
   Uncovering the multi-scale structure of dust distribution in nearby galaxies
   A&A, **712**, A14 (2026) 2026A&A...712A..14T
8. Razza A., Blanc G.A., Groves B., . . . , **Egorov O.V.**, et al. (39 authors)
   The PHANGS-Hα survey: Ground-based narrowband imaging of nearby star-forming galaxies
   A&A, **710**, A412 (2026) 2026A&A...710A.412R
9. Kreckel K., **Egorov O.V.**, Drory N., Blanc G.A., Méndez-Delgado J.E., Kabanovic S., et al. (26 authors)
   SDSS-V LVM: Verifying what, and where, the "Galactic center lobe" is
   A&A, **710**, A205 (2026) 2026A&A...710A.205K
10. Hassani H., Rosolowsky E., Leroy A.K., . . . , **Egorov O.V.**, et al. (31 authors)
    The Hidden Life of Stars: Embedded Beginnings to Asymptotic Giant Branch Endings in the PHANGS–JWST Sample. I. Catalog of Mid-infrared Sources
    ApJS, **284**, 3 (2026) 2026ApJS..284....3H
11. Mao Y., Ho L.C., Moiseev A.V., **Egorov O.V.**, Sobolev A.M.
    Holmberg IX: A Unique, Infant but Inactive Galaxy as Revealed via a Multiwavelength Approach
    ApJL, **1002**, L9 (2026) 2026ApJ..1002L...9M
12. Singh A., Blanc G.A., Kumari N., . . . , **Egorov O.**, et al. (22 authors)
    SDSS-V LVM: A Spatially Resolved Study of the Physical Conditions and the Chemical Abundance Discrepancy in the Lagoon Nebula (M 8)
    ApJ, **1001**, 238 (2026) 2026ApJ..1001..238S
13. Kim J., Leroy A.K., Sandstrom K., . . . , **Egorov O.V.**, et al. (28 authors)
    Localized Deviations from the CO–Polycyclic Aromatic Hydrocarbon Relation in PHANGS-JWST Galaxies: Faint Polycyclic Aromatic Hydrocarbon Emission or Elevated CO Emissivity?

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14. Scheuermann F., Kreckel K., Teh J.W., . . . , **Egorov O.**, et al. (30 authors)
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SDSS-V Local Volume Mapper (LVM): Helix Nebula Public data, Data Analysis Pipeline data products
RMxAA, **62**, 87 (2026) 2026RMxAA..62a..87S

16. Sarbadhicary S.K., Long K.S., Raymond J.C., Sankrit R., **Egorov O.V.**, Roman-Lopes A., et al. (23 authors)
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17. McClain R.L., Leroy A.K., Congiu E., Barnes A.T., Belfiore F., **Egorov O.**, et al. (26 authors)
Resolved H II Regions in NGC 253: Ionized Gas Structure and Suggestions of a Universal Density–Surface Brightness Relation
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18. Saburova A.S., Gasymov D., Gerasimov I.S. †, **Egorov O.V.**, Chilingarian I.V., Kolganov F.M., et al. (10 authors)
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19. Ramambason L., Chevance M., Kim J., . . . , **Egorov O.V.**, et al. (35 authors)
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21. Sattler N., Méndez-Delgado J.E., Kreckel K., Morisset C., **Egorov O.**, Egorova E., et al. (21 authors)
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22. Kollmeier J.A., Rix H., Aerts C., . . . , **Egorov O.**, et al. (227 authors)
Sloan Digital Sky Survey. V. Pioneering Panoptic Spectroscopy
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23. Egorova E., Kreckel K., **Egorov O.**, Moiseev A., Aragon-Calvo M.A., van de Weygaert R., et al. (8 authors)
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24. Pathak D., Leroy A.K., Barnes A.T., . . . , **Egorov O.V.**, et al. (39 authors)
Masses, Star Formation Efficiencies, and Dynamical Evolution of 18,000 H II Regions
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25. González-Torà G., Sander A.A.C., Egorova E., Lefever R.R., Ramachandran V., **Egorov O.V.**, et al. (21 authors)
SDSS-V LVM: Detectability of Wolf-Rayet stars and their He II ionizing flux in low-metallicity environments: I. The weak-lined, early-type WN3 stars in the SMC
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Characterization of Two Cool Galaxy Outflow Candidates Using Mid-infrared Emission from Polycyclic Aromatic Hydrocarbons
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41. Sutter J., Sandstrom K., Chastenet J., . . . , **Egorov O.V.**, et al. (24 authors)
The Fraction of Dust Mass in the Form of Polycyclic Aromatic Hydrocarbons on 10–50 pc Scales in Nearby Galaxies
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Investigating the Drivers of Electron Temperature Variations in H II Regions with Keck-KCWI and VLT-MUSE
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46. Yarovova A.D. †, Moiseev A.V., Gerasimov I.S. †, Vučetić M.M., **Egorov O.V.**, Ilić D., et al. (9 authors)
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54. Watkins E.J., Kreckel K., Groves B., . . . , **Egorov O.V.**, et al. (29 authors)
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A&A, **676**, A67 (2023) 2023A&A...676A..67W

55. Scheuermann F., Kreckel K., Barnes A.T., . . . , **Egorov O.V.**, et al. (33 authors)
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60. Hoyer N., Pinna F., Kamlah A.W.H., . . . , **Egorov O.V.**, et al. (31 authors)
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63. Barnes A.T., Watkins E.J., Meidt S.E., . . . , **Egorov O.V.**, et al. (54 authors)
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64. Hassani H., Rosolowsky E., Leroy A.K., . . . , **Egorov O.V.**, et al. (27 authors)
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66. Liu D., Schinnerer E., Cao Y., . . . , **Egorov O.V.**, et al. (39 authors)
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67. Meidt S.E., Rosolowsky E., Sun J., . . . , **Egorov O.V.**, et al. (34 authors)
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71. Thilker D.A., Lee J.C., Deger S., . . . , **Egorov O.V.**, et al. (39 authors)
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