

# Nicholas W Troup

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8735728/publications.pdf>

Version: 2024-02-01

25  
papers

6,537  
citations

331670

21  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

8936  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of $\sim 45000$ Companions. <i>Astronomical Journal</i> , 2018, 156, 18.   | 4.7 | 2,267     |
| 2  | The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.   | 4.7 | 1,065     |
| 3  | THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 17. | 7.7 | 820       |
| 4  | ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.  | 4.7 | 497       |
| 5  | ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.  | 4.7 | 344       |
| 6  | The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.     | 7.7 | 299       |
| 7  | APOGEE Data Releases 13 and 14: Data and Analysis. <i>Astronomical Journal</i> , 2018, 156, 125.  | 4.7 | 220       |
| 8  | Target Selection for the SDSS-IV APOGEE-2 Survey. <i>Astronomical Journal</i> , 2017, 154, 198.   | 4.7 | 200       |
| 9  | EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 149, 153.  | 4.7 | 133       |
| 10 | The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.  | 7.7 | 121       |
| 11 | Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. <i>Astrophysical Journal</i> , 2018, 854, 147.   | 4.5 | 100       |
| 12 | Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Color-Magnitude Diagram. <i>Astrophysical Journal</i> , 2020, 895, 2.   | 4.5 | 74        |
| 13 | COMPANIONS TO APOGEE STARS. I. A MILKY WAY-SPANNING CATALOG OF STELLAR AND SUBSTELLAR COMPANION CANDIDATES AND THEIR DIVERSE HOSTS. <i>Astronomical Journal</i> , 2016, 151, 85.  | 4.7 | 68        |
| 14 | Elemental Abundances of Kepler Objects of Interest in APOGEE. I. Two Distinct Orbital Period Regimes Inferred from Host Star Iron Abundances. <i>Astronomical Journal</i> , 2018, 155, 68.                                  | 4.7 | 58        |
| 15 | RAPID ROTATION OF LOW-MASS RED GIANTS USING APOKASC: A MEASURE OF INTERACTION RATES ON THE POST-MAIN-SEQUENCE. <i>Astrophysical Journal</i> , 2015, 807, 82.  | 4.5 | 53        |
| 16 | Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021, 162, 302.   | 4.7 | 44        |
| 17 | Exploring the brown dwarf desert: new substellar companions from the SDSS-III MARVELS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4264-4281.  | 4.4 | 42        |
| 18 | The close binary fraction as a function of stellar parameters in APOGEE: a strong anticorrelation with $\alpha$ abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1607-1626.                | 4.4 | 34        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A VERY HIGH PROPER MOTION STAR AND THE FIRST L DWARF IN THE <i>KEPLER</i> FIELD. <i>Astrophysical Journal Letters</i> , 2011, 736, L34.  | 8.3 | 29        |
| 20 | Timing the Evolution of the Galactic Disk with NGC 6791: An Open Cluster with Peculiar High- $\alpha$ Chemistry as Seen by APOGEE. <i>Astrophysical Journal</i> , 2017, 842, 49.   | 4.5 | 22        |
| 21 | IN-SYNC VI. Identification and Radial Velocity Extraction for 100+ Double-Lined Spectroscopic Binaries in the APOGEE/IN-SYNC Fields. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 084201. | 3.1 | 22        |
| 22 | Stellar multiplicity and stellar rotation: insights from APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2051-2061.  | 4.4 | 9         |
| 23 | Forty-four New and Known M-dwarf Multiples in the SDSS-III/APOGEE M-dwarf Ancillary Science Sample. <i>Astronomical Journal</i> , 2018, 156, 45.   | 4.7 | 8         |
| 24 | Geometry of the Draco C1 Symbiotic Binary. <i>Astrophysical Journal Letters</i> , 2020, 900, L43.  | 8.3 | 7         |
| 25 | Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy: Comparison to the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 933, L18.   | 8.3 | 1         |