

Carl Melis

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,045
citations

257450

24
h-index

254184

43
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48
all docs

48
docs citations

48
times ranked

2317
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Coronal and Chromospheric Emission in A-type Stars. <i>Astronomical Journal</i> , 2022, 164, 8. | 4.7 | 2 |
| 2 | Host-star and exoplanet compositions: a pilot study using a wide binary with a polluted white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1877-1883. | 4.4 | 15 |
| 3 | Discovery of Beryllium in White Dwarfs Polluted by Planetesimal Accretion. <i>Astrophysical Journal</i> , 2021, 914, 61. | 4.5 | 25 |
| 4 | Collisions in a gas-rich white dwarf planetary debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 432-440. | 4.4 | 11 |
| 5 | Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328â€“1219. <i>Astrophysical Journal</i> , 2021, 917, 41. | 4.5 | 24 |
| 6 | Extreme Variability of the V488 Persei Debris Disk. <i>Astrophysical Journal</i> , 2021, 918, 71. | 4.5 | 10 |
| 7 | V488 Per Revisited: No Strong Mid-infrared Emission Features and No Evidence for Stellar/substellar Companions. <i>Astrophysical Journal</i> , 2021, 922, 75. | 4.5 | 2 |
| 8 | Highly Structured Inner Planetary System Debris around the Intermediate Age Sun-like Star TYC 8830 410 1. <i>Astrophysical Journal</i> , 2021, 923, 90. | 4.5 | 9 |
| 9 | A giant planet candidate transiting a white dwarf. <i>Nature</i> , 2020, 585, 363-367. | 27.8 | 111 |
| 10 | Atmospheric Temperature Inversions and He i 5876 Core Profile Structure in White Dwarfs. <i>Astrophysical Journal</i> , 2020, 900, 2. | 4.5 | 10 |
| 11 | Dynamical Masses for the Pleiades Binary System HII-2147. <i>Astrophysical Journal</i> , 2020, 898, 2. | 4.5 | 2 |
| 12 | Mid-infrared Studies of HD 113766 and HD 172555: Assessing Variability in the Terrestrial Zone of Young Exoplanetary Systems. <i>Astrophysical Journal</i> , 2020, 898, 21. | 4.5 | 14 |
| 13 | Serendipitous Discovery of Nine White Dwarfs with Gaseous Debris Disks. <i>Astrophysical Journal</i> , 2020, 905, 56. | 4.5 | 21 |
| 14 | Rise of the Phoenix Giants: A Rich History of Dusty Post-merger Stellar Remnants. <i>Research Notes of the AAS</i> , 2020, 4, 238. | 0.7 | 4 |
| 15 | Compositions of Planetary Debris around Dusty White Dwarfs. <i>Astronomical Journal</i> , 2019, 158, 242. | 4.7 | 48 |
| 16 | Ultraviolet Flux Decrease Under a Grand Minimum from IUE Short-wavelength Observation of Solar Analogs. <i>Astrophysical Journal Letters</i> , 2018, 852, L4. | 8.3 | 2 |
| 17 | More Rapidly Rotating PMS M Dwarfs with Light Curves Suggestive of Orbiting Clouds of Material. <i>Astronomical Journal</i> , 2018, 155, 63. | 4.7 | 31 |
| 18 | Is the Young Star RZ Piscium Consuming Its Own (Planetary) Offspring?. <i>Astronomical Journal</i> , 2018, 155, 33. | 4.7 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | The VLA Nascent Disk And Multiplicity Survey of Perseus Protostars (VANDAM). III. Extended Radio Emission from Protostars in Perseus. <i>Astrophysical Journal</i> , 2018, 852, 18. | 4.5 | 16 |
| 20 | The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). V. 18 Candidate Disks around Class 0 and I Protostars in the Perseus Molecular Cloud. <i>Astrophysical Journal</i> , 2018, 866, 161. | 4.5 | 58 |
| 21 | The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). IV. Free-Free Emission from Protostars: Links to Infrared Properties, Outflow Tracers, and Protostellar Disk Masses. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 19. | 7.7 | 103 |
| 22 | The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Perseus Protostars. VI. Characterizing the Formation Mechanism for Close Multiple Systems. <i>Astrophysical Journal</i> , 2018, 867, 43. | 4.5 | 52 |
| 23 | The First Polluted White Dwarf from Gaia DR2: The Cool DAZ Gaia J1738+0826. <i>Research Notes of the AAS</i> , 2018, 2, 64. | 0.7 | 2 |
| 24 | DOES A DIFFERENTIATED, CARBONATE-RICH, ROCKY OBJECT POLLUTE THE WHITE DWARF SDSS J104341.53+085558.2?. <i>Astrophysical Journal</i> , 2017, 834, 1. | 4.5 | 75 |
| 25 | THE VLA NASCENT DISK AND MULTIPLICITY SURVEY OF PERSEUS PROTOSTARS (VANDAM). II. MULTIPLICITY OF PROTOSTARS IN THE PERSEUS MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2016, 818, 73. | 4.5 | 201 |
| 26 | HERSCHEL OBSERVATIONS OF DUSTY DEBRIS DISKS. <i>Astrophysical Journal</i> , 2016, 833, 263. | 4.5 | 41 |
| 27 | THE VLA NASCENT DISK AND MULTIPLICITY SURVEY: FIRST LOOK AT RESOLVED CANDIDATE DISKS AROUND CLASS 0 AND I PROTOSTARS IN THE PERSEUS MOLECULAR CLOUD. <i>Astrophysical Journal Letters</i> , 2016, 817, L14. | 8.3 | 49 |
| 28 | A triple protostar system formed via fragmentation of a gravitationally unstable disk. <i>Nature</i> , 2016, 538, 483-486. | 27.8 | 188 |
| 29 | PARALLAX OF GALACTIC CEPHEIDS FROM SPATIALLY SCANNING THE WIDE FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE: THE CASE OF SS CANIS MAJORIS. <i>Astrophysical Journal</i> , 2016, 825, 11. | 4.5 | 44 |
| 30 | Can the Dustiest Main Sequence Stars Tell Us About the Rocky Planet Formation Process?. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 241-246. | 0.0 | 2 |
| 31 | THE DEEPEST CONSTRAINTS ON RADIO AND X-RAY MAGNETIC ACTIVITY IN ULTRACOOL DWARFS FROM WISE J104915.57-531906.1. <i>Astrophysical Journal Letters</i> , 2015, 805, L3. | 8.3 | 14 |
| 32 | MASS ASSEMBLY OF STELLAR SYSTEMS AND THEIR EVOLUTION WITH THE SMA (MASSES). MULTIPLICITY AND THE PHYSICAL ENVIRONMENT IN L1448N. <i>Astrophysical Journal</i> , 2015, 814, 114. | 4.5 | 34 |
| 33 | HIGH-RESOLUTION 8 mm AND 1 cm POLARIZATION OF IRAS 4A FROM THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 814, L28. | 8.3 | 48 |
| 34 | RADIO EMISSION AND ORBITAL MOTION FROM THE CLOSE-ENCOUNTER STAR-BROWN DWARF BINARY WISE J072003.20+084651.2. <i>Astronomical Journal</i> , 2015, 150, 180. | 4.7 | 25 |
| 35 | THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY OF PERSEUS PROTOSTARS. RESOLVING THE SUB-ARCSECOND BINARY SYSTEM IN NGC 1333 IRAS2A. <i>Astrophysical Journal</i> , 2015, 798, 61. | 4.5 | 44 |
| 36 | WISE J072003.20+084651.2: AN OLD AND ACTIVE M9.5 + T5 SPECTRAL BINARY 6 pc FROM THE SUN. <i>Astronomical Journal</i> , 2015, 149, 104. | 4.7 | 44 |

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|----|---|------|-----------|
| 37 | A VLBI resolution of the Pleiades distance controversy. <i>Science</i> , 2014, 345, 1029-1032. | 12.6 | 106 |
| 38 | COPIOUS AMOUNTS OF HOT AND COLD DUST ORBITING THE MAIN SEQUENCE A-TYPE STARS HD 131488 AND HD 121191. <i>Astrophysical Journal</i> , 2013, 778, 12. | 4.5 | 50 |
| 39 | DETECTION OF RADIO EMISSION FROM THE HYPERACTIVE L DWARF 2MASS J13153094+2649513AB. <i>Astrophysical Journal Letters</i> , 2013, 762, L3. | 8.3 | 26 |
| 40 | THE NEARBY, YOUNG, ISOLATED, DUSTY STAR HD 166191. <i>Astrophysical Journal</i> , 2013, 777, 78. | 4.5 | 17 |
| 41 | Determining the Origin of Inner Planetary System Debris Orbiting the Dustiest Main Sequence Stars. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 273-277. | 0.0 | 0 |
| 42 | GASEOUS MATERIAL ORBITING THE POLLUTED, DUSTY WHITE DWARF HE 1349+2305. <i>Astrophysical Journal Letters</i> , 2012, 751, L4. | 8.3 | 59 |
| 43 | Toward a VLBI resolution of the Pleiades distance controversy. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 60-65. | 0.0 | 2 |
| 44 | A SUBSTELLAR COMPANION TO THE DUSTY PLEIADES STAR HD 23514. <i>Astrophysical Journal</i> , 2012, 748, 30. | 4.5 | 21 |
| 45 | Rapid disappearance of a warm, dusty circumstellar disk. <i>Nature</i> , 2012, 487, 74-76. | 27.8 | 90 |
| 46 | STELLAR MEMBERSHIP AND DUSTY DEBRIS DISKS IN THE \pm PERSEI CLUSTER. <i>Astrophysical Journal</i> , 2012, 752, 58. | 4.5 | 59 |
| 47 | ACCRETION OF A TERRESTRIAL-LIKE MINOR PLANET BY A WHITE DWARF. <i>Astrophysical Journal</i> , 2011, 732, 90. | 4.5 | 89 |
| 48 | AN ALUMINUM/CALCIUM-RICH, IRON-POOR, WHITE DWARF STAR: EVIDENCE FOR AN EXTRASOLAR PLANETARY LITHOSPHERE?. <i>Astrophysical Journal</i> , 2011, 739, 101. | 4.5 | 111 |