

Patrick Koch

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1. | 8.3 | 2,264 |
| 2 | First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6. | 8.3 | 897 |
| 3 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5. | 8.3 | 814 |
| 4 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4. | 8.3 | 806 |
| 5 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2. | 8.3 | 618 |
| 6 | First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12. | 8.3 | 568 |
| 7 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3. | 8.3 | 519 |
| 8 | First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13. | 8.3 | 297 |
| 9 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12. | 8.3 | 215 |
| 10 | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17. | 8.3 | 215 |
| 11 | Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104. | 7.8 | 190 |
| 12 | First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16. | 8.3 | 187 |
| 13 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26. | 7.7 | 175 |
| 14 | First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14. | 8.3 | 163 |
| 15 | MAGNETIC FIELDS AND MASSIVE STAR FORMATION. <i>Astrophysical Journal</i> , 2014, 792, 116. | 4.5 | 142 |
| 16 | First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13. | 8.3 | 142 |
| 17 | First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15. | 8.3 | 137 |
| 18 | Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 126 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | SIGNS OF EARLY-STAGE DISK GROWTH REVEALED WITH ALMA. <i>Astrophysical Journal</i> , 2017, 834, 178. | 4.5 | 112 |
| 20 | MEASURING MASS ACCRETION RATE ONTO THE SUPERMASSIVE BLACK HOLE IN M87 USING FARADAY ROTATION MEASURE WITH THE SUBMILLIMETER ARRAY. <i>Astrophysical Journal Letters</i> , 2014, 783, L33. | 8.3 | 103 |
| 21 | The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122. | 4.5 | 103 |
| 22 | CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56. | 4.5 | 101 |
| 23 | MASS AND HOT BARYONS IN MASSIVE GALAXY CLUSTERS FROM SUBARU WEAK-LENSING AND AMiBA SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS. <i>Astrophysical Journal</i> , 2009, 694, 1643-1663. | 4.5 | 99 |
| 24 | EVOLUTION OF MAGNETIC FIELDS IN HIGH-MASS STAR FORMATION: LINKING FIELD GEOMETRY AND COLLAPSE FOR THE W51 e2/e8 CORES. <i>Astrophysical Journal</i> , 2009, 700, 251-261. | 4.5 | 91 |
| 25 | THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1. | 8.3 | 90 |
| 26 | SUNYAEV-ZEL'DOVICH-MEASURED PRESSURE PROFILES FROM THE BOLOCAM X-RAY/SZ GALAXY CLUSTER SAMPLE. <i>Astrophysical Journal</i> , 2013, 768, 177. | 4.5 | 88 |
| 27 | DR 21(OH): A HIGHLY FRAGMENTED, MAGNETIZED, TURBULENT DENSE CORE. <i>Astrophysical Journal</i> , 2013, 772, 69. | 4.5 | 79 |
| 28 | First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66. | 4.5 | 79 |
| 29 | OBSERVATIONS OF INFALLING AND ROTATIONAL MOTIONS ON A 1000 AU SCALE AROUND 17 CLASS 0 AND 0/I PROTOSTARS: HINTS OF DISK GROWTH AND MAGNETIC BRAKING?. <i>Astrophysical Journal</i> , 2015, 799, 193. | 4.5 | 72 |
| 30 | A MEASUREMENT OF THE KINETIC SUNYAEV-ZEL'DOVICH SIGNAL TOWARD MACS J0717.5+3745. <i>Astrophysical Journal</i> , 2013, 778, 52. | 4.5 | 70 |
| 31 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14. | 8.3 | 67 |
| 32 | IMPLICATIONS OF A HIGH ANGULAR RESOLUTION IMAGE OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RXJ1347-1145. <i>Astrophysical Journal</i> , 2010, 716, 739-745. | 4.5 | 62 |
| 33 | A MULTI-WAVELENGTH STUDY OF THE SUNYAEV-ZEL'DOVICH EFFECT IN THE TRIPLE-MERGER CLUSTER MACS J0717.5+3745 WITH MUSTANG AND BOLOCAM. <i>Astrophysical Journal</i> , 2012, 761, 47. | 4.5 | 59 |
| 34 | EVOLUTION OF MAGNETIC FIELDS IN HIGH MASS STAR FORMATION: SUBMILLIMETER ARRAY DUST POLARIZATION IMAGE OF THE ULTRACOMPACT H II REGION G5.89-0.39. <i>Astrophysical Journal</i> , 2009, 695, 1399-1412. | 4.5 | 58 |
| 35 | NO KEPLERIAN DISK >10 AU AROUND THE PROTOSTAR B335: MAGNETIC BRAKING OR YOUNG AGE?. <i>Astrophysical Journal</i> , 2015, 812, 129. | 4.5 | 57 |
| 36 | A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 859, 151. | 4.5 | 57 |

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| 37 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11. | 8.3 | 56 |
| 38 | Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69. | 5.1 | 54 |
| 39 | HIGH-ANGULAR RESOLUTION DUST POLARIZATION MEASUREMENTS: SHAPED <i>B</i> -FIELD LINES IN THE MASSIVE STAR-FORMING REGION ORION BN/KL. <i>Astrophysical Journal</i> , 2010, 717, 1262-1273. | 4.5 | 52 |
| 40 | MAGNETIC FIELD STRENGTH MAPS FOR MOLECULAR CLOUDS: A NEW METHOD BASED ON A POLARIZATION-INTENSITY GRADIENT RELATION. <i>Astrophysical Journal</i> , 2012, 747, 79. | 4.5 | 52 |
| 41 | Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89. | 4.5 | 52 |
| 42 | The TIME-Pilot intensity mapping experiment. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 51 |
| 43 | Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65. | 4.5 | 51 |
| 44 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67. | 4.5 | 51 |
| 45 | The TOP-SCOPE Survey of <i>Planck</i> Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 28. | 7.7 | 50 |
| 46 | GALAXY CLUSTER SCALING RELATIONS BETWEEN BOLOCAM SUNYAEV–ZELDOVICH EFFECT AND <i>CHANDRA</i> X-RAY MEASUREMENTS. <i>Astrophysical Journal</i> , 2015, 806, 18. | 4.5 | 48 |
| 47 | STACKING SPECTRA IN PROTOPLANETARY DISKS: DETECTING INTENSITY PROFILES FROM HIDDEN MOLECULAR LINES IN HD 163296. <i>Astrophysical Journal</i> , 2016, 832, 204. | 4.5 | 47 |
| 48 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139. | 4.5 | 47 |
| 49 | A First Look at BISTRO Observations of the <i>Oph-A</i> core. <i>Astrophysical Journal</i> , 2018, 859, 4. | 4.5 | 46 |
| 50 | Gravity, Magnetic Field, and Turbulence: Relative Importance and Impact on Fragmentation in the Infrared Dark Cloud G34.43+00.24. <i>Astrophysical Journal</i> , 2019, 878, 10. | 4.5 | 45 |
| 51 | HL Tau Disk in HCO^+ ($3\text{--}2$) and ($1\text{--}0$) with ALMA: Gas Density, Temperature, Gap, and One-arm Spiral. <i>Astrophysical Journal</i> , 2019, 880, 69. | 4.5 | 45 |
| 52 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148. | 4.5 | 44 |
| 53 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35. | 4.5 | 43 |
| 54 | Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19. | 8.3 | 43 |

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| 55 | JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42. | 4.5 | 42 |
| 56 | THE IMPORTANCE OF THE MAGNETIC FIELD FROM AN SMA-CSO-COMBINED SAMPLE OF STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2014, 797, 99. | 4.5 | 41 |
| 57 | Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78. | 5.1 | 41 |
| 58 | Gravity-driven Magnetic Field at ~ 1000 au Scales in High-mass Star Formation. <i>Astrophysical Journal Letters</i> , 2021, 915, L10. | 8.3 | 41 |
| 59 | Greenland telescope project: Direct confirmation of black hole with submillimeter VLBI. <i>Radio Science</i> , 2014, 49, 564-571. | 1.6 | 39 |
| 60 | The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28. | 4.5 | 39 |
| 61 | The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43. | 4.5 | 38 |
| 62 | Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95. | 4.5 | 38 |
| 63 | The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88. | 4.5 | 37 |
| 64 | THE YUAN-TSEH LEE ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY. <i>Astrophysical Journal</i> , 2009, 694, 1610-1618. | 4.5 | 35 |
| 65 | THE AMiBA HEXAPOD TELESCOPE MOUNT. <i>Astrophysical Journal</i> , 2009, 694, 1670-1684. | 4.5 | 34 |
| 66 | Polarization Properties and Magnetic Field Structures in the High-mass Star-forming Region W51 Observed with ALMA. <i>Astrophysical Journal</i> , 2018, 855, 39. | 4.5 | 34 |
| 67 | PLANCK COLD CLUMPS IN THE ρ ORIONIS COMPLEX. I. DISCOVERY OF AN EXTREMELY YOUNG CLASS 0 PROTOSTELLAR OBJECT AND A PROTO-BROWN DWARF CANDIDATE IN THE BRIGHT-RIMMED CLUMP PGCC G192.32 \pm 11.88. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 7. | 7.7 | 31 |
| 68 | DUST CONTINUUM AND POLARIZATION FROM ENVELOPE TO CORES IN STAR FORMATION: A CASE STUDY IN THE W51 NORTH REGION. <i>Astrophysical Journal</i> , 2013, 763, 135. | 4.5 | 27 |
| 69 | QUANTIFYING THE SIGNIFICANCE OF THE MAGNETIC FIELD FROM LARGE-SCALE CLOUD TO COLLAPSING CORE: SELF-SIMILARITY, MASS-TO-FLUX RATIO, AND STAR FORMATION EFFICIENCY. <i>Astrophysical Journal</i> , 2012, 747, 80. | 4.5 | 26 |
| 70 | Does the Magnetic Field Suppress Fragmentation in Massive Dense Cores?. <i>Astrophysical Journal</i> , 2021, 912, 159. | 4.5 | 26 |
| 71 | AMiBA: BROADBAND HETERODYNE COSMIC MICROWAVE BACKGROUND INTERFEROMETRY. <i>Astrophysical Journal</i> , 2009, 694, 1664-1669. | 4.5 | 25 |
| 72 | THE CONTRIBUTION OF RADIO GALAXY CONTAMINATION TO MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH DECREMENT IN MASSIVE GALAXY CLUSTERS AT 140 GHz WITH BOLOCAM. <i>Astrophysical Journal</i> , 2013, 764, 152. | 4.5 | 25 |

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| 73 | MAGNETIC FIELD PROPERTIES IN HIGH-MASS STAR FORMATION FROM LARGE TO SMALL SCALES: A STATISTICAL ANALYSIS FROM POLARIZATION DATA. <i>Astrophysical Journal</i> , 2010, 721, 815-827. | 4.5 | 23 |
| 74 | INTERPRETING THE ROLE OF THE MAGNETIC FIELD FROM DUST POLARIZATION MAPS. <i>Astrophysical Journal</i> , 2013, 775, 77. | 4.5 | 23 |
| 75 | Formation of the Hub“Filament System G33.92+0.11: Local Interplay between Gravity, Velocity, and Magnetic Field. <i>Astrophysical Journal</i> , 2020, 905, 158. | 4.5 | 23 |
| 76 | ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY: OBSERVATIONS, DATA ANALYSIS, AND RESULTS FOR SUNYAEV-ZEL'DOVICH EFFECTS. <i>Astrophysical Journal</i> , 2009, 694, 1619-1628. | 4.5 | 22 |
| 77 | Dust spectrum and polarisation at 850 μm in the massive IRDC G035.39-00.33. <i>Astronomy and Astrophysics</i> , 2018, 620, A26. | 5.1 | 22 |
| 78 | Planck Cold Clumps in the $\rho\text{Orionis}$ Complex. II. Environmental Effects on Core Formation. <i>Astrophysical Journal</i> , Supplement Series, 2018, 236, 51. | 7.7 | 22 |
| 79 | SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution “ survey description and compact source catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2895-2908. | 4.4 | 22 |
| 80 | Molecular Gas Feeding the Circumnuclear Disk of the Galactic Center. <i>Astrophysical Journal</i> , 2017, 847, 3. | 4.5 | 21 |
| 81 | The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27. | 8.3 | 21 |
| 82 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18. | 8.3 | 21 |
| 83 | Magnetized Converging Flows toward the Hot Core in the Intermediate/High-mass Star-forming Region NGC 6334 V. <i>Astrophysical Journal</i> , 2017, 844, 44. | 4.5 | 20 |
| 84 | Stellar masses and disk properties of Lupus young stellar objects traced by velocity-aligned stacked ALMA ^{13}CO and C^{18}O spectra. <i>Astronomy and Astrophysics</i> , 2018, 616, A100. | 5.1 | 20 |
| 85 | Multi-scale analysis of the Monoceros OB 1 star-forming region. <i>Astronomy and Astrophysics</i> , 2019, 631, A3. | 5.1 | 20 |
| 86 | Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21. | 8.3 | 20 |
| 87 | A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20. | 8.3 | 20 |
| 88 | The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. <i>Astrophysical Journal</i> , 2018, 856, 141. | 4.5 | 19 |
| 89 | Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71. | 4.5 | 19 |
| 90 | The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. <i>Astrophysical Journal</i> , 2021, 913, 85. | 4.5 | 19 |

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| 91 | SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5. | 5.1 | 18 |
| 92 | AMiBA WIDEBAND ANALOG CORRELATOR. <i>Astrophysical Journal</i> , 2010, 716, 746-757. | 4.5 | 17 |
| 93 | The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33. | 4.5 | 17 |
| 94 | Observations of Magnetic Fields Surrounding LkH $\hat{1}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10. | 4.5 | 16 |
| 95 | Role of the magnetic field in the fragmentation process: the case of G14.225-0.506. <i>Astronomy and Astrophysics</i> , 2020, 644, A52. | 5.1 | 16 |
| 96 | B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163. | 4.5 | 16 |
| 97 | AMiBA: SYSTEM PERFORMANCE. <i>Astrophysical Journal</i> , 2009, 694, 1629-1636. | 4.5 | 15 |
| 98 | A Magnetic Field Connecting the Galactic Center Circumnuclear Disk with Streamers and Mini-spiral: Implications from 850 $\hat{1}$ / ₄ m Polarization Data. <i>Astrophysical Journal</i> , 2018, 862, 150. | 4.5 | 15 |
| 99 | Multiwavelength Polarimetry of the Filamentary Cloud IC \hat{A} 5146. II. Magnetic Field Structures. <i>Astrophysical Journal</i> , 2020, 888, 13. | 4.5 | 15 |
| 100 | Dynamical Stellar Masses of Pre-main-sequence Stars in Lupus and Taurus Obtained with ALMA Surveys in Comparison with Stellar Evolutionary Models. <i>Astrophysical Journal</i> , 2021, 908, 46. | 4.5 | 15 |
| 101 | TESTS OF AMiBA DATA INTEGRITY. <i>Astrophysical Journal</i> , 2009, 694, 1637-1642. | 4.5 | 14 |
| 102 | AMiBA: SCALING RELATIONS BETWEEN THE INTEGRATED COMPTON- <i><i>y</i></i> AND X-RAY-DERIVED TEMPERATURE, MASS, AND LUMINOSITY. <i>Astrophysical Journal</i> , 2010, 716, 758-765. | 4.5 | 14 |
| 103 | Constraint on ion \hat{e} neutral drift velocity in the Class 0 protostar B335 from ALMA observations. <i>Astronomy and Astrophysics</i> , 2018, 615, A58. | 5.1 | 14 |
| 104 | JCMT POL-2 and ALMA Polarimetric Observations of 6000 \hat{e} 100 au Scales in the Protostar B335: Linking Magnetic Field and Gas Kinematics in Observations and MHD Simulations. <i>Astrophysical Journal</i> , 2019, 871, 243. | 4.5 | 14 |
| 105 | Magnetic Fields in Massive Star-forming Regions (MagMaR). I. Linear Polarized Imaging of the Ultracompact H ii Region G5.89 \hat{e} 0.39. <i>Astrophysical Journal</i> , 2021, 913, 29. | 4.5 | 13 |
| 106 | The JCMT BISTRO Survey: An 850/450 $\hat{1}$ / ₄ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85. | 4.5 | 13 |
| 107 | First-generation science cases for ground-based terahertz telescopes. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, . | 2.5 | 12 |
| 108 | The Circumnuclear Disk Revealed by ALMA. I. Dense Clouds and Tides in the Galactic Center. <i>Astrophysical Journal</i> , 2021, 913, 94. | 4.5 | 12 |

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| 109 | BOLOCAM OBSERVATIONS OF TWO UNCONFIRMED GALAXY CLUSTER CANDIDATES FROM THE <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH SAMPLE. <i>Astrophysical Journal Letters</i> , 2012, 749, L15. | 8.3 | 11 |
| 110 | 3.5 Year Monitoring of 225 GHz Opacity at the Summit of Greenland. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 025001. | 3.1 | 11 |
| 111 | Multi-scale analysis of the Monoceros OB 1 star-forming region. <i>Astronomy and Astrophysics</i> , 2019, 631, L1. | 5.1 | 11 |
| 112 | THE AMIBA PROJECT. <i>Modern Physics Letters A</i> , 2004, 19, 993-1000. | 1.2 | 10 |
| 113 | CONSTRAINING INTRACLUSTER GAS MODELS WITH AMiBA13. <i>Astrophysical Journal</i> , 2010, 723, 1272-1285. | 4.5 | 10 |
| 114 | THE FOSSIL NUCLEAR OUTFLOW IN THE CENTRAL 30 pc OF THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2016, 831, 72. | 4.5 | 10 |
| 115 | The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 49. | 7.7 | 10 |
| 116 | The influence of magnetic fields on the Sunyaevâ€“Zelâ€™dovich effect in clusters of galaxies. <i>New Astronomy</i> , 2003, 8, 1-14. | 1.8 | 9 |
| 117 | The Greenland telescope: Thule operations. , 2018, , . | | 8 |
| 118 | Formation of the SDC13 Hub-filament System: A Cloudâ€™Cloud Collision Imprinted on the Multiscale Magnetic Field. <i>Astrophysical Journal</i> , 2022, 931, 115. | 4.5 | 8 |
| 119 | AMiBA: SUNYAEV-ZEL'DOVICH EFFECT-DERIVED PROPERTIES AND SCALING RELATIONS OF MASSIVE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2010, 713, 584-591. | 4.5 | 7 |
| 120 | The Atacama Large Millimeter/sub-millimeter Array band-1 receiver. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 7 |
| 121 | Transition from Ordered Pinched to Warped Magnetic Field on a 100 au Scale in the Class 0 Protostar B335. <i>Astrophysical Journal</i> , 2020, 893, 54. | 4.5 | 7 |
| 122 | The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1985-2002. | 4.4 | 7 |
| 123 | AMIBA: FIRST-YEAR RESULTS FOR SUNYAEV-ZEL'DOVICH EFFECT. <i>Modern Physics Letters A</i> , 2008, 23, 1675-1686. | 1.2 | 6 |
| 124 | PROTOSTAR L1455 IRS1: A ROTATING DISK CONNECTING TO A FILAMENTARY NETWORK. <i>Astrophysical Journal</i> , 2016, 823, 151. | 4.5 | 6 |
| 125 | The Greenland Telescope: antenna retrofit status and future plans. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 6 |
| 126 | The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 913, 57. | 4.5 | 6 |

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| 127 | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13. | 4.5 | 6 |
| 128 | Progress of the array of microwave background anisotropy (AMiBA). , 2006, , . | | 5 |
| 129 | Instrumentation for single-dish observations with The Greenland Telescope. , 2014, , . | | 4 |
| 130 | Commissioning status of the Greenland telescope. , 2018, , . | | 4 |
| 131 | The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. <i>Astrophysical Journal Letters</i> , 2021, 923, L9. | 8.3 | 4 |
| 132 | Initial operation of the array for microwave background anisotropy (AMiBA). , 2006, 6275, 487. | | 3 |
| 133 | AMiBA first year observation. , 2008, , . | | 3 |
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