

# Adam Burrows

## List of Publications by Year in descending order

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| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Thermal Phase Curves of XO-3b: An Eccentric Hot Jupiter at the Deuterium Burning Limit. <i>Astronomical Journal</i> , 2022, 163, 32.  | 1.9  | 6         |
| 2  | The Character of Three-Dimensional Core-Collapse Simulation Results. <i>EPJ Web of Conferences</i> , 2022, 260, 07001.  | 0.1  | 1         |
| 3  | On the Origin of Pulsar and Magnetar Magnetic Fields. <i>Astrophysical Journal</i> , 2022, 926, 111.  | 1.6  | 17        |
| 4  | The collapse and three-dimensional explosion of three-dimensional massive-star supernova progenitor models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4689-4705.                | 1.6  | 36        |
| 5  | Core-collapse supernova explosion theory. <i>Nature</i> , 2021, 589, 29-39.   | 13.7 | 215       |
| 6  | Evidence for disequilibrium chemistry from vertical mixing in hot Jupiter atmospheres. <i>Astronomy and Astrophysics</i> , 2021, 648, A127.   | 2.1  | 24        |
| 7  | Supernova neutrino signals based on long-term axisymmetric simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1462-1479.  | 1.6  | 31        |
| 8  | Binary-stripped Stars as Core-collapse Supernovae Progenitors. <i>Astrophysical Journal Letters</i> , 2021, 916, L5.  | 3.0  | 23        |
| 9  | Where, when, and why: Occurrence of fast-pairwise collective neutrino oscillation in three-dimensional core-collapse supernova models. <i>Physical Review D</i> , 2021, 104, .                              | 1.6  | 53        |
| 10 | The overarching framework of core-collapse supernova explosions as revealed by 3D $\langle \text{sc} \rangle$ simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2715-2735. | 1.6  | 164       |
| 11 | Fast oscillations, collisionless relaxation, and spurious evolution of supernova neutrino flavor. <i>Physical Review D</i> , 2020, 102, .   | 1.6  | 53        |
| 12 | Generalized Kompaneets formalism for inelastic neutrino-nucleon scattering in supernova simulations. <i>Physical Review D</i> , 2020, 102, .  | 1.6  | 5         |
| 13 | Prospects for Directly Imaging Young Giant Planets at Optical Wavelengths. <i>Astrophysical Journal</i> , 2020, 892, 151.   | 1.6  | 11        |
| 14 | A systematic study of proto-neutron star convection in three-dimensional core-collapse supernova simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5764-5779.              | 1.6  | 59        |
| 15 | Neutrino oscillations in supernovae: Angular moments and fast instabilities. <i>Physical Review D</i> , 2020, 101, .  | 1.6  | 79        |
| 16 | The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. <i>Classical and Quantum Gravity</i> , 2020, 37, 215011.  | 1.5  | 90        |
| 17 | Core-collapse supernova neutrino emission and detection informed by state-of-the-art three-dimensional numerical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 696-717.     | 1.6  | 50        |
| 18 | Statistical Characterization of Hot Jupiter Atmospheres Using Spitzer's Secondary Eclipses. <i>Astronomical Journal</i> , 2020, 159, 137.   | 1.9  | 72        |

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|----|---|-----|-----------|
| 19 | Gravitational Waves from Neutrino Emission Asymmetries in Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2020, 901, 108.  | 1.6 | 37        |
| 20 | JWST Transit Spectra. II. Constraining Aerosol Species, Particle-size Distributions, Temperature, and Metallicity for Cloudy Exoplanets. <i>Astrophysical Journal</i> , 2020, 904, 25.    | 1.6 | 8         |
| 21 | JWST Transit Spectra. I. Exploring Potential Biases and Opportunities in Retrievals of Tidally Locked Hot Jupiters with Clouds and Hazes. <i>Astrophysical Journal</i> , 2020, 905, 131.  | 1.6 | 23        |
| 22 | Towards an understanding of the resolution dependence of Core-Collapse Supernova simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4622-4637.            | 1.6 | 48        |
| 23 | Temporal and angular variations of 3D core-collapse supernova emissions and their physical correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2227-2246. | 1.6 | 77        |
| 24 | Detection prospects of core-collapse supernovae with supernova-optimized third-generation gravitational-wave detectors. <i>Physical Review D</i> , 2019, 100, .                           | 1.6 | 28        |
| 25 | Fornax: A Flexible Code for Multiphysics Astrophysical Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 7.   | 3.0 | 118       |
| 26 | The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. <i>Astronomical Journal</i> , 2019, 158, 13.                                      | 1.9 | 270       |
| 27 | Characterizing the Gravitational Wave Signal from Core-collapse Supernovae. <i>Astrophysical Journal Letters</i> , 2019, 876, L9.   | 3.0 | 127       |
| 28 | Three-dimensional supernova explosion simulations of 9-, 10-, 11-, 12-, and 13-M $\odot$ stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3153-3168.          | 1.6 | 101       |
| 29 | Characterization of Exoplanet Atmospheres with the Optical Coronagraph on WFIRST. <i>Astronomical Journal</i> , 2019, 157, 132.   | 1.9 | 25        |
| 30 | A successful 3D core-collapse supernova explosion model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 351-369.   | 1.6 | 127       |
| 31 | Crucial Physical Dependencies of the Core-Collapse Supernova Mechanism. <i>Space Sciences Series of ISSI</i> , 2019, , 21-42.   | 0.0 | 0         |
| 32 | Phase Curves of WASP-33b and HD 149026b and a New Correlation between Phase Curve Offset and Irradiation Temperature. <i>Astronomical Journal</i> , 2018, 155, 83.                        | 1.9 | 103       |
| 33 | Crucial Physical Dependencies of the Core-Collapse Supernova Mechanism. <i>Space Science Reviews</i> , 2018, 214, 1.  | 3.7 | 97        |
| 34 | Neutrino signals of core-collapse supernovae in underground detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4710-4731.                                   | 1.6 | 32        |
| 35 | Global comparison of core-collapse supernova simulations in spherical symmetry. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2018, 45, 104001.                             | 1.4 | 108       |
| 36 | A Significant Overluminosity in the Transiting Brown Dwarf CWW 89Ab. <i>Astronomical Journal</i> , 2018, 156, 168.  | 1.9 | 24        |

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|----|--|-----|-----------|
| 37 | Community Targets of JWST's Early Release Science Program: Evaluation of WASP-63b. <i>Astronomical Journal</i> , 2018, 156, 103.   | 1.9 | 25        |
| 38 | Revival of the fittest: exploding core-collapse supernovae from 12 to 25 $\hat{M}_{\odot}$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3091-3108.          | 1.6 | 68        |
| 39 | The Gravitational Wave Signal from Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2018, 861, 10.   | 1.6 | 111       |
| 40 | AN INFORMATION-THEORETIC APPROACH TO OPTIMIZE JWST OBSERVATIONS AND RETRIEVALS OF TRANSITING EXOPLANET ATMOSPHERES. <i>Astrophysical Journal</i> , 2017, 835, 96.                      | 1.6 | 53        |
| 41 | HELIOS: AN OPEN-SOURCE, GPU-ACCELERATED RADIATIVE TRANSFER CODE FOR SELF-CONSISTENT EXOPLANETARY ATMOSPHERES. <i>Astronomical Journal</i> , 2017, 153, 56.                             | 1.9 | 128       |
| 42 | Electron-capture and Low-mass Iron-core-collapse Supernovae: New Neutrino-radiation-hydrodynamics Simulations. <i>Astrophysical Journal</i> , 2017, 850, 43.                           | 1.6 | 87        |
| 43 | Mid-infrared characterization of the planetary-mass companion ROXs 42B b. <i>Astronomy and Astrophysics</i> , 2017, 601, A65.  | 2.1 | 7         |
| 44 | DETECTING THE SUPERNOVA BREAKOUT BURST IN TERRESTRIAL NEUTRINO DETECTORS. <i>Astrophysical Journal</i> , 2016, 817, 182.   | 1.6 | 25        |
| 45 | HAT-P-65b AND HAT-P-66b: TWO TRANSITING INFLATED HOT JUPITERS AND OBSERVATIONAL EVIDENCE FOR THE REINFLATION OF CLOSE-IN GIANT PLANETS*. <i>Astronomical Journal</i> , 2016, 152, 182. | 1.9 | 73        |
| 46 | Transiting Exoplanet Studies and Community Targets for JWST's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.       | 1.0 | 98        |
| 47 | DYNAMICAL CONSTRAINTS ON THE CORE MASS OF HOT JUPITER HAT-P-13B. <i>Astrophysical Journal</i> , 2016, 821, 26.   | 1.6 | 59        |
| 48 | 3.6 AND 4.5 $\hat{\mu}$ m SPITZER PHASE CURVES OF THE HIGHLY IRRADIATED HOT JUPITERS WASP-19b AND HAT-P-7b. <i>Astrophysical Journal</i> , 2016, 823, 122.                             | 1.6 | 129       |
| 49 | SHOULD ONE USE THE RAY-BY-RAY APPROXIMATION IN CORE-COLLAPSE SUPERNOVA SIMULATIONS?. <i>Astrophysical Journal</i> , 2016, 831, 81.   | 1.6 | 55        |
| 50 | SPITZER SECONDARY ECLIPSE OBSERVATIONS OF FIVE COOL GAS GIANT PLANETS AND EMPIRICAL TRENDS IN COOL PLANET EMISSION SPECTRA. <i>Astrophysical Journal</i> , 2015, 810, 118.             | 1.6 | 52        |
| 51 | RESOLVING THE HD 100546 PROTOPLANETARY SYSTEM WITH THE GEMINI PLANET IMAGER: EVIDENCE FOR MULTIPLE FORMING, ACCRETING PLANETS. <i>Astrophysical Journal Letters</i> , 2015, 814, L27.  | 3.0 | 129       |
| 52 | 3.6 AND 4.5 $\hat{\mu}$ m PHASE CURVES OF THE HIGHLY IRRADIATED ECCENTRIC HOT JUPITER WASP-14b. <i>Astrophysical Journal</i> , 2015, 811, 122.   | 1.6 | 97        |
| 53 | THE FIRST H-BAND SPECTRUM OF THE GIANT PLANET $\hat{\mu}$ PICTORIS b. <i>Astrophysical Journal Letters</i> , 2015, 798, L3.  | 3.0 | 61        |
| 54 | TWO-DIMENSIONAL CORE-COLLAPSE SUPERNOVA MODELS WITH MULTI-DIMENSIONAL TRANSPORT. <i>Astrophysical Journal</i> , 2015, 800, 10.   | 1.6 | 102       |

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|----|--|-----|-----------|
| 55 | EVOLUTIONARY MODELS OF SUPER-EARTHS AND MINI-NEPTUNES INCORPORATING COOLING AND MASS LOSS. <i>Astrophysical Journal</i> , 2015, 808, 150.  | 1.6 | 68        |
| 56 | THE DIRECT DETECTABILITY OF GIANT EXOPLANETS IN THE OPTICAL. <i>Astrophysical Journal</i> , 2015, 808, 172.  | 1.6 | 34        |
| 57 | <i>SPITZER</i> SECONDARY ECLIPSES OF THE DENSE, MODESTLY-IRRADIATED, GIANT EXOPLANET HAT-P-20b USING PIXEL-LEVEL DECORRELATION. <i>Astrophysical Journal</i> , 2015, 805, 132.                               | 1.6 | 212       |
| 58 | RECOVERY OF THE CANDIDATE PROTOPLANET HD 100546 b WITH GEMINI/NICI AND DETECTION OF ADDITIONAL (PLANET-INDUCED?) DISK STRUCTURE AT SMALL SEPARATIONS. <i>Astrophysical Journal Letters</i> , 2014, 796, L30. | 3.0 | 94        |
| 59 | THE EMERGENT 1.1-1.7 $\mu$ m SPECTRUM OF THE EXOPLANET COROT-2B AS MEASURED USING THE <i>HUBBLE</i> SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2014, 783, 113.  | 1.6 | 77        |
| 60 | ATMOSPHERIC CHARACTERIZATION OF THE HOT JUPITER KEPLER-13Ab. <i>Astrophysical Journal</i> , 2014, 788, 92.   | 1.6 | 110       |
| 61 | A <i>SPITZER</i> SEARCH FOR TRANSITS OF RADIAL VELOCITY DETECTED SUPER-EARTHS. <i>Astrophysical Journal</i> , 2014, 781, 103.  | 1.6 | 6         |
| 62 | WARM <i>SPITZER</i> AND PALOMAR NEAR-IR SECONDARY ECLIPSE PHOTOMETRY OF TWO HOT JUPITERS: WASP-48b AND HAT-P-23b. <i>Astrophysical Journal</i> , 2014, 781, 109.   | 1.6 | 55        |
| 63 | CHARACTERIZATION OF THE ATMOSPHERE OF THE HOT JUPITER HAT-P-32Ab AND THE M-DWARF COMPANION HAT-P-32B. <i>Astrophysical Journal</i> , 2014, 796, 115.   | 1.6 | 59        |
| 64 | UPDATED <i>SPITZER</i> EMISSION SPECTROSCOPY OF BRIGHT TRANSITING HOT JUPITER HD 189733b. <i>Astrophysical Journal</i> , 2014, 796, 100.   | 1.6 | 61        |
| 65 | DEEP THERMAL INFRARED IMAGING OF HR 8799 bcde: NEW ATMOSPHERIC CONSTRAINTS AND LIMITS ON A FIFTH PLANET. <i>Astrophysical Journal</i> , 2014, 795, 133.  | 1.6 | 80        |
| 66 | A FIRST-LOOK ATMOSPHERIC MODELING STUDY OF THE YOUNG DIRECTLY IMAGED PLANET-MASS COMPANION, ROXS 42Bb. <i>Astrophysical Journal</i> , 2014, 787, 104.  | 1.6 | 40        |
| 67 | Thermal structure of an exoplanet atmosphere from phase-resolved emission spectroscopy. <i>Science</i> , 2014, 346, 838-841.   | 6.0 | 266       |
| 68 | MASS-RADIUS RELATIONS AND CORE-ENVELOPE DECOMPOSITIONS OF SUPER-EARTHS AND SUB-NEPTUNES. <i>Astrophysical Journal</i> , 2014, 787, 173.  | 1.6 | 85        |
| 69 | GEMINI PLANET IMAGER SPECTROSCOPY OF THE HR 8799 PLANETS c AND d. <i>Astrophysical Journal Letters</i> , 2014, 794, L15.   | 3.0 | 80        |
| 70 | CONSTRAINTS ON THE ATMOSPHERIC CIRCULATION AND VARIABILITY OF THE ECCENTRIC HOT JUPITER XO-3b. <i>Astrophysical Journal</i> , 2014, 794, 134.  | 1.6 | 56        |
| 71 | A PRECISE WATER ABUNDANCE MEASUREMENT FOR THE HOT JUPITER WASP-43b. <i>Astrophysical Journal Letters</i> , 2014, 793, L27.   | 3.0 | 297       |
| 72 | THE 4.5 $\mu$ m FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. <i>Astrophysical Journal</i> , 2014, 790, 53.  | 1.6 | 152       |

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|----|--|------|-----------|
| 73 | Transport equations for oscillating neutrinos. <i>Physical Review D</i> , 2013, 88, .  | 1.6  | 19        |
| 74 | INFRARED TRANSMISSION SPECTROSCOPY OF THE EXOPLANETS HD 209458b AND XO-1b USING THE WIDE FIELD CAMERA-3 ON THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2013, 774, 95. | 1.6  | 409       |
| 75 | Colloquium: Perspectives on core-collapse supernova theory. <i>Reviews of Modern Physics</i> , 2013, 85, 245-261.  | 16.4 | 375       |
| 76 | ORBITAL PHASE VARIATIONS OF THE ECCENTRIC GIANT PLANET HAT-P-2b. <i>Astrophysical Journal</i> , 2013, 766, 95.   | 1.6  | 153       |
| 77 | CASTRO: A NEW COMPRESSIBLE ASTROPHYSICAL SOLVER. III. MULTIGROUP RADIATION HYDRODYNAMICS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 204, 7.                            | 3.0  | 48        |
| 78 | A COMBINED VERY LARGE TELESCOPE AND GEMINI STUDY OF THE ATMOSPHERE OF THE DIRECTLY IMAGED PLANET, $\hat{\iota}^2$ PICTORIS b. <i>Astrophysical Journal</i> , 2013, 776, 15.          | 1.6  | 95        |
| 79 | THE DOMINANCE OF NEUTRINO-DRIVEN CONVECTION IN CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 771, 52.   | 1.6  | 114       |
| 80 | DIRECT IMAGING OF A COLD JOVIAN EXOPLANET IN ORBIT AROUND THE SUN-LIKE STAR GJ 504. <i>Astrophysical Journal</i> , 2013, 774, 11.  | 1.6  | 205       |
| 81 | THERMAL PROCESSES GOVERNING HOT-JUPITER RADII. <i>Astrophysical Journal</i> , 2013, 772, 76.   | 1.6  | 86        |
| 82 | SECONDARY ECLIPSE PHOTOMETRY OF THE EXOPLANET WASP-5b WITH WARM SPITZER. <i>Astrophysical Journal</i> , 2013, 773, 124.  | 1.6  | 46        |
| 83 | EXOPLANET TRANSIT SPECTROSCOPY USING WFC3: WASP-12 b, WASP-17 b, AND WASP-19 b. <i>Astrophysical Journal</i> , 2013, 779, 128.   | 1.6  | 130       |
| 84 | WARM SPITZER PHOTOMETRY OF THREE HOT JUPITERS: HAT-P-3b, HAT-P-4b AND HAT-P-12b. <i>Astrophysical Journal</i> , 2013, 770, 102.  | 1.6  | 71        |
| 85 | DIMENSIONAL DEPENDENCE OF THE HYDRODYNAMICS OF CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 765, 110.  | 1.6  | 111       |
| 86 | Correlated gravitational wave and neutrino signals from general-relativistic rapidly rotating iron core collapse. <i>Physical Review D</i> , 2012, 86, .                             | 1.6  | 77        |
| 87 | THERMAL PHASE VARIATIONS OF WASP-12b: DEFYING PREDICTIONS. <i>Astrophysical Journal</i> , 2012, 747, 82.   | 1.6  | 179       |
| 88 | 3.6 AND 4.5 $\hat{\mu}$ m PHASE CURVES AND EVIDENCE FOR NON-EQUILIBRIUM CHEMISTRY IN THE ATMOSPHERE OF EXTRASOLAR PLANET HD 189733b. <i>Astrophysical Journal</i> , 2012, 754, 22.   | 1.6  | 264       |
| 89 | WARM SPITZER OBSERVATIONS OF THREE HOT EXOPLANETS: XO-4b, HAT-P-6b, AND HAT-P-8b. <i>Astrophysical Journal</i> , 2012, 746, 111.   | 1.6  | 69        |
| 90 | SPECTRAL AND PHOTOMETRIC DIAGNOSTICS OF GIANT PLANET FORMATION SCENARIOS. <i>Astrophysical Journal</i> , 2012, 745, 174.   | 1.6  | 308       |

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|-----|---|-----|-----------|
| 91  | ANALYTIC MODELS FOR ALBEDOS, PHASE CURVES, AND POLARIZATION OF REFLECTED LIGHT FROM EXOPLANETS. <i>Astrophysical Journal</i> , 2012, 747, 25.   | 1.6 | 99        |
| 92  | AN INVESTIGATION INTO THE CHARACTER OF PRE-EXPLOSION CORE-COLLAPSE SUPERNOVA SHOCK MOTION. <i>Astrophysical Journal</i> , 2012, 759, 5.   | 1.6 | 93        |
| 93  | DIRECT IMAGING CONFIRMATION AND CHARACTERIZATION OF A DUST-ENSHROUDED CANDIDATE EXOPLANET ORBITING FOMALHAUT. <i>Astrophysical Journal Letters</i> , 2012, 760, L32.  | 3.0 | 130       |
| 94  | FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 $\mu$ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 753, 14.                                   | 1.6 | 152       |
| 95  | THE IMPACT OF CIRCUMPLANTARY JETS ON TRANSIT SPECTRA AND TIMING OFFSETS FOR HOT JUPITERS. <i>Astrophysical Journal</i> , 2012, 751, 87.   | 1.6 | 66        |
| 96  | The hydrodynamic origin of neutron star kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1805-1812.   | 1.6 | 61        |
| 97  | Summary of Theoretical Techniques. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 562-563.   | 0.0 | 0         |
| 98  | INDUCED ROTATION IN THREE-DIMENSIONAL SIMULATIONS OF CORE-COLLAPSE SUPERNOVAE: IMPLICATIONS FOR PULSAR SPINS. <i>Astrophysical Journal</i> , 2011, 732, 57.   | 1.6 | 53        |
| 99  | THE DEPENDENCE OF BROWN DWARF RADII ON ATMOSPHERIC METALLICITY AND CLOUDS: THEORY AND COMPARISON WITH OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 736, 47.   | 1.6 | 127       |
| 100 | Day-Night Side Cooling of a Strongly Irradiated Giant Planet. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 486-489.  | 0.0 | 0         |
| 101 | Towards a Theory for the Atmospheres, Structure, and Evolution of Giant Exoplanets. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 437-443.  | 0.0 | 0         |
| 102 | SECONDARY ECLIPSE PHOTOMETRY OF WASP-4b WITH WARM <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2011, 727, 23.  | 1.6 | 77        |
| 103 | THE DEUTERIUM-BURNING MASS LIMIT FOR BROWN DWARFS AND GIANT PLANETS. <i>Astrophysical Journal</i> , 2011, 727, 57.  | 1.6 | 216       |
| 104 | WARM <i>SPITZER</i> PHOTOMETRY OF THE TRANSITING EXOPLANETS CoRoT-1 AND CoRoT-2 AT SECONDARY ECLIPSE. <i>Astrophysical Journal</i> , 2011, 726, 95.   | 1.6 | 92        |
| 105 | A COMBINED SUBARU/VLT/MMT 1-5 $\mu$ m STUDY OF PLANETS ORBITING HR 8799: IMPLICATIONS FOR ATMOSPHERIC PROPERTIES, MASSES, AND FORMATION. <i>Astrophysical Journal</i> , 2011, 729, 128.                         | 1.6 | 233       |
| 106 | RESULTS FROM CORE-COLLAPSE SIMULATIONS WITH MULTI-DIMENSIONAL, MULTI-ANGLE NEUTRINO TRANSPORT. <i>Astrophysical Journal</i> , 2011, 728, 8.   | 1.6 | 83        |
| 107 | A 5 $\mu$ m IMAGE OF $\rho$ PICTORIS b AT A SUB-JUPITER PROJECTED SEPARATION: EVIDENCE FOR A MISALIGNMENT BETWEEN THE PLANET AND THE INNER, WARPED DISK. <i>Astrophysical Journal Letters</i> , 2011, 736, L33. | 3.0 | 70        |
| 108 | MODEL ATMOSPHERES FOR MASSIVE GAS GIANTS WITH THICK CLOUDS: APPLICATION TO THE HR 8799 PLANETS AND PREDICTIONS FOR FUTURE DETECTIONS. <i>Astrophysical Journal</i> , 2011, 737, 34.                             | 1.6 | 163       |

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|-----|---|------|-----------|
| 109 | The potential role of spatial dimension in the neutrino-driving mechanism of core-collapse supernova explosions. <i>Computer Physics Communications</i> , 2011, 182, 1764-1766.     | 3.0  | 2         |
| 110 | Dynamics and Gravitational Wave Signature of Collapsar Formation. <i>Physical Review Letters</i> , 2011, 106, 161103.   | 2.9  | 88        |
| 111 | CASTRO: A NEW COMPRESSIBLE ASTROPHYSICAL SOLVER. II. GRAY RADIATION HYDRODYNAMICS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 196, 20.                                 | 3.0  | 71        |
| 112 | THE BROADBAND INFRARED EMISSION SPECTRUM OF THE EXOPLANET TrES-3. <i>Astrophysical Journal</i> , 2010, 711, 374-379.  | 1.6  | 84        |
| 113 | THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A CLOSE SUBSTELLAR COMPANION TO THE YOUNG DEBRIS DISK STAR PZ Tel. <i>Astrophysical Journal Letters</i> , 2010, 720, L82-L87. | 3.0  | 112       |
| 114 | ATMOSPHERE AND SPECTRAL MODELS OF THE KEPLER-FIELD PLANETS HAT-P-7b AND TrES-2. <i>Astrophysical Journal</i> , 2010, 722, 871-879.  | 1.6  | 66        |
| 115 | THERMAL EMISSION AND TIDAL HEATING OF THE HEAVY AND ECCENTRIC PLANET XO-3b. <i>Astrophysical Journal</i> , 2010, 711, 111-118.  | 1.6  | 46        |
| 116 | The Gemini NICI Planet-Finding Campaign. <i>Proceedings of SPIE</i> , 2010, , .   | 0.8  | 31        |
| 117 | PHOTOMETRIC AND SPECTRAL SIGNATURES OF THREE-DIMENSIONAL MODELS OF TRANSITING GIANT EXOPLANETS. <i>Astrophysical Journal</i> , 2010, 719, 341-350.                                  | 1.6  | 105       |
| 118 | DIMENSION AS A KEY TO THE NEUTRINO MECHANISM OF CORE-COLLAPSE SUPERNOVA EXPLOSIONS. <i>Astrophysical Journal</i> , 2010, 720, 694-703.  | 1.6  | 163       |
| 119 | Theoretical support for the hydrodynamic mechanism of pulsar kicks. <i>Physical Review D</i> , 2010, 82, .  | 1.6  | 55        |
| 120 | COUPLED EVOLUTION WITH TIDES OF THE RADIUS AND ORBIT OF TRANSITING GIANT PLANETS: GENERAL RESULTS. <i>Astrophysical Journal</i> , 2009, 700, 1921-1932.                             | 1.6  | 89        |
| 121 | A MODEL FOR GRAVITATIONAL WAVE EMISSION FROM NEUTRINO-DRIVEN CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 707, 1173-1190.   | 1.6  | 148       |
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| 123 | DETECTION OF A TEMPERATURE INVERSION IN THE BROADBAND INFRARED EMISSION SPECTRUM OF TrES-4. <i>Astrophysical Journal</i> , 2009, 691, 866-874.                                      | 1.6  | 96        |
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