

# Eric Agol

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2779203/publications.pdf>

Version: 2024-02-01

203  
papers

22,997  
citations

11651

70  
h-index

9103

144  
g-index

209  
all docs

209  
docs citations

209  
times ranked

9408  
citing authors

#	ARTICLE	IF	CITATIONS
1	An upper limit on late accretion and water delivery in the TRAPPIST-1 exoplanet system. <i>Nature Astronomy</i> , 2022, 6, 80-88.	10.1	25
2	Thermal Phase Curves of XO-3b: An Eccentric Hot Jupiter at the Deuterium Burning Limit. <i>Astronomical Journal</i> , 2022, 163, 32.	4.7	6
3	The Perkins INfrared Exosatellite Survey (PINES) I. Survey Overview, Reduction Pipeline, and Early Results. <i>Astronomical Journal</i> , 2022, 163, 253.	4.7	7
4	Analytic Light Curves in Reflected Light: Phase Curves, Occultations, and Non-Lambertian Scattering for Spherical Planets and Moons. <i>Astronomical Journal</i> , 2022, 164, 4.	4.7	5
5	Llamaradas Estelares: Modeling the Morphology of White-light Flares. <i>Astronomical Journal</i> , 2022, 164, 17.	4.7	5
6	K2-138 g: Spitzer Spots a Sixth Planet for the Citizen Science System. <i>Astronomical Journal</i> , 2021, 161, 219.	4.7	8
7	Significant Improvement in Planetary System Simulations from Statistical Averaging. <i>Research Notes of the AAS</i> , 2021, 5, 77.	0.7	1
8	Stellar Rotation in the K2 Sample: Evidence for Modified Spin-down. <i>Astrophysical Journal</i> , 2021, 913, 70.	4.5	29
9	exoplanet: Gradient-based probabilistic inference for exoplanet data other astronomical time series. <i>Journal of Open Source Software</i> , 2021, 6, 3285.	4.6	104
10	A differentiable N-body code for transit timing and dynamical modelling – I. Algorithm and derivatives. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1582-1605.	4.4	7
11	Confirmation of a Dynamical Model for the TRAPPIST-1 Exoplanetary System. <i>Research Notes of the AAS</i> , 2021, 5, 219.	0.7	0
12	Refining the Transit-timing and Photometric Analysis of TRAPPIST-1: Masses, Radii, Densities, Dynamics, and Ephemerides. <i>Planetary Science Journal</i> , 2021, 2, 1.	3.6	161
13	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021, 162, 234.	4.7	30
14	TRAPPIST-1: Global results of the <i>Spitzer</i> Exploration Science Program Red Worlds. <i>Astronomy and Astrophysics</i> , 2020, 640, A112.	5.1	45
15	The Discovery of the Long-Period, Eccentric Planet Kepler-88 d and System Characterization with Radial Velocities and Photodynamical Analysis. <i>Astronomical Journal</i> , 2020, 159, 242.	4.7	9
16	Analytic Planetary Transit Light Curves and Derivatives for Stars with Polynomial Limb Darkening. <i>Astronomical Journal</i> , 2020, 159, 123.	4.7	106
17	The stellar variability noise floor for transiting exoplanet photometry with <i>PLATO</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5489-5498.	4.4	14
18	Impact of tides on the transit-timing fits to the TRAPPIST-1 system. <i>Astronomy and Astrophysics</i> , 2020, 635, A117.	5.1	19

#	ARTICLE	IF	CITATIONS
19	Multiple Transits during a Single Conjunction: Identifying Transiting Circumbinary Planetary Candidates from TESS. <i>Astronomical Journal</i> , 2020, 160, 174.	4.7	4
20	A Fast, Two-dimensional Gaussian Process Method Based on Celerite: Applications to Transiting Exoplanet Discovery and Characterization. <i>Astronomical Journal</i> , 2020, 160, 240.	4.7	14
21	The TRAPPIST-1 JWST Community Initiative. , 2020, 52, .		12
22	The Mass of the White Dwarf Companion in the Self-lensing Binary KOI-3278: Einstein versus Newton. <i>Astrophysical Journal</i> , 2019, 880, 33.	4.5	2
23	An automated method to detect transiting circumbinary planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1313-1324.	4.4	15
24	Stellar Properties of Active G and K Stars: Exploring the Connection between Starspots and Chromospheric Activity. <i>Astronomical Journal</i> , 2019, 158, 101.	4.7	22
25	Detection of Hundreds of New Planet Candidates and Eclipsing Binaries in K2 Campaigns 0â€“8. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 11.	7.7	48
26	APOGEE/Kepler Overlap Yields Orbital Solutions for a Variety of Eclipsing Binaries. <i>Astronomical Journal</i> , 2019, 158, 106.	4.7	9
27	Discovery of a Third Transiting Planet in the Kepler-47 Circumbinary System. <i>Astronomical Journal</i> , 2019, 157, 174.	4.7	65
28	The solar benchmark: rotational modulation of the Sun reconstructed from archival sunspot records. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3244-3250.	4.4	6
29	starry: Analytic Occultation Light Curves. <i>Astronomical Journal</i> , 2019, 157, 64.	4.7	199
30	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019, 158, 177.	4.7	34
31	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019, 157, 32.	4.7	83
32	K2-146: Discovery of Planet c, Precise Masses from Transit Timing, and Observed Precession. <i>Astronomical Journal</i> , 2019, 158, 133.	4.7	23
33	Spotting stellar activity cycles in Gaia astrometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5408-5416.	4.4	14
34	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.	4.7	103
35	An Update to the EVEREST K2 Pipeline: Short Cadence, Saturated Stars, and Kepler-like Photometry Down to $K_p \hat{=} 15$ . <i>Astronomical Journal</i> , 2018, 156, 99.	4.7	104
36	Kepler-62f: Kepler's first small planet in the habitable zone, but is it real?. <i>New Astronomy Reviews</i> , 2018, 83, 28-36.	12.8	5

#	ARTICLE	IF	CITATIONS
37	Discovery and characterization of Kepler-36b. <i>New Astronomy Reviews</i> , 2018, 83, 18-27.	12.8	2
38	Are Starspots and Plages Co-located on Active G and K Stars?. <i>Astronomical Journal</i> , 2018, 156, 203.	4.7	16
39	The 0.8–4.5 $\mu$ m Broadband Transmission Spectra of TRAPPIST-1 Planets. <i>Astronomical Journal</i> , 2018, 156, 218.	4.7	29
40	Transit-Timing and Duration Variations for the Discovery and Characterization of Exoplanets. , 2018, , 797-816.		18
41	Robust Transiting Exoplanet Radii in the Presence of Starspots from Ingress and Egress Durations. <i>Astronomical Journal</i> , 2018, 156, 91.	4.7	18
42	Non-detection of Contamination by Stellar Activity in the Spitzer Transit Light Curves of TRAPPIST-1. <i>Astrophysical Journal Letters</i> , 2018, 863, L32.	8.3	17
43	Possible Bright Starspots on TRAPPIST-1. <i>Astrophysical Journal</i> , 2018, 857, 39.	4.5	65
44	The nature of the TRAPPIST-1 exoplanets. <i>Astronomy and Astrophysics</i> , 2018, 613, A68.	5.1	246
45	Periodic optical variability and debris accretion in white dwarfs: a test for a causal connection*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 933-942.	4.4	9
46	Pre-MAP Search for Transiting Objects Orbiting White Dwarfs. <i>Research Notes of the AAS</i> , 2018, 2, 41.	0.7	2
47	Photometric Analysis and Transit Times of TRAPPIST-1 B and C. <i>Research Notes of the AAS</i> , 2018, 2, 10.	0.7	24
48	Seven temperate terrestrial planets around the nearby ultracool dwarf star TRAPPIST-1. <i>Nature</i> , 2017, 542, 456-460.	27.8	1,144
49	The Pale Green Dot: A Method to Characterize Proxima Centauri b Using Exo-Aurorae. <i>Astrophysical Journal</i> , 2017, 837, 63.	4.5	27
50	Planet-induced Stellar Pulsations in HAT-P-2's Eccentric System. <i>Astrophysical Journal Letters</i> , 2017, 836, L17.	8.3	36
51	A seven-planet resonant chain in TRAPPIST-1. <i>Nature Astronomy</i> , 2017, 1, .	10.1	263
52	New Insights on Planet Formation in WASP-47 from a Simultaneous Analysis of Radial Velocities and Transit Timing Variations. <i>Astronomical Journal</i> , 2017, 153, 265.	4.7	55
53	Chromospheric Activity of HAT-P-11: An Unusually Active Planet-hosting K Star. <i>Astrophysical Journal</i> , 2017, 848, 58.	4.5	46
54	Planet–Planet Occultations in TRAPPIST-1 and Other Exoplanet Systems. <i>Astrophysical Journal</i> , 2017, 851, 94.	4.5	33

#	ARTICLE	IF	CITATIONS
55	Fast and Scalable Gaussian Process Modeling with Applications to Astronomical Time Series. <i>Astronomical Journal</i> , 2017, 154, 220.	4.7	555
56	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
57	Transit-Timing and Duration Variations for the Discovery and Characterization of Exoplanets. , 2017, , 1-20.		2
58	TRANSIT TIMING VARIATIONS FOR PLANETS NEAR ECCENTRICITY-TYPE MEAN MOTION RESONANCES. <i>Astrophysical Journal</i> , 2016, 821, 96.	4.5	46
59	The Effect of Orbital Configuration on the Possible Climates and Habitability of Kepler-62f. <i>Astrobiology</i> , 2016, 16, 443-464.	3.0	56
60	SEEING THROUGH THE RING: NEAR-INFRARED PHOTOMETRY OF V582 MON (KH 15D). <i>Astronomical Journal</i> , 2016, 151, 90.	4.7	7
61	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. <i>Astronomical Journal</i> , 2016, 152, 206.	4.7	96
62	Predictable patterns in planetary transit timing variations and transit duration variations due to exomoons. <i>Astronomy and Astrophysics</i> , 2016, 591, A67.	5.1	21
63	REVISED MASSES AND DENSITIES OF THE PLANETS AROUND KEPLER-10*. <i>Astrophysical Journal</i> , 2016, 819, 83.	4.5	74
64	SECURE MASS MEASUREMENTS FROM TRANSIT TIMING: 10 KEPLER EXOPLANETS BETWEEN 3 AND 8 M <sub>J</sub> WITH DIVERSE DENSITIES AND INCIDENT FLUXES. <i>Astrophysical Journal</i> , 2016, 820, 39.	4.5	147
65	EVEREST: PIXEL LEVEL DECORRELATION OF K2 LIGHT CURVES. <i>Astronomical Journal</i> , 2016, 152, 100.	4.7	205
66	Transiting Exoplanet Studies and Community Targets for <i>JWST</i> 's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	3.1	98
67	3.6 AND 4.5 $\mu$ m SPITZER PHASE CURVES OF THE HIGHLY IRRADIATED HOT JUPITERS WASP-19b AND HAT-P-7b. <i>Astrophysical Journal</i> , 2016, 823, 122.	4.5	129
68	VERY LOW-MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. VI. A GIANT PLANET AND A BROWN DWARF CANDIDATE IN A CLOSE BINARY SYSTEM HD 87646. <i>Astronomical Journal</i> , 2016, 152, 112.	4.7	34
69	TRANSIT TIMING TO FIRST ORDER IN ECCENTRICITY. <i>Astrophysical Journal</i> , 2016, 818, 177.	4.5	74
70	KEPLER ECLIPSING BINARY STARS. VII. THE CATALOG OF ECLIPSING BINARIES FOUND IN THE ENTIRE KEPLER DATA SET. <i>Astronomical Journal</i> , 2016, 151, 68.	4.7	302
71	THE CENTER OF LIGHT: SPECTROASTROMETRIC DETECTION OF EXOMOONS. <i>Astrophysical Journal</i> , 2015, 812, 5.	4.5	47
72	<i>SPITZER</i> SECONDARY ECLIPSE OBSERVATIONS OF FIVE COOL GAS GIANT PLANETS AND EMPIRICAL TRENDS IN COOL PLANET EMISSION SPECTRA. <i>Astrophysical Journal</i> , 2015, 810, 118.	4.5	52

#	ARTICLE	IF	CITATIONS
73	SPECTRAL ECLIPSE TIMING. <i>Astrophysical Journal</i> , 2015, 815, 60.	4.5	9
74	3.6 AND 4.5 $\mu\text{m}$ PHASE CURVES OF THE HIGHLY IRRADIATED ECCENTRIC HOT JUPITER WASP-14b. <i>Astrophysical Journal</i> , 2015, 811, 122.	4.5	97
75	MEASUREMENT OF PLANET MASSES WITH TRANSIT TIMING VARIATIONS DUE TO SYNODIC "CHOPPING" EFFECTS. <i>Astrophysical Journal</i> , 2015, 802, 116.	4.5	91
76	SPITZER SECONDARY ECLIPSES OF THE DENSE, MODESTLY-IRRADIATED, GIANT EXOPLANET HAT-P-20b USING PIXEL-LEVEL DECORRELATION. <i>Astrophysical Journal</i> , 2015, 805, 132.	4.5	212
77	THE APOGEE SPECTROSCOPIC SURVEY OF KEPLER PLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2015, 149, 143.	4.7	40
78	EVIDENCE FOR LARGE TEMPERATURE FLUCTUATIONS IN QUASAR ACCRETION DISKS FROM SPECTRAL VARIABILITY. <i>Astrophysical Journal</i> , 2014, 783, 105.	4.5	60
79	VALIDATION OF KEPLER'S MULTIPLE PLANET CANDIDATES. III. LIGHT CURVE ANALYSIS AND ANNOUNCEMENT OF HUNDREDS OF NEW MULTI-PLANET SYSTEMS. <i>Astrophysical Journal</i> , 2014, 784, 45.	4.5	418
80	ARCHITECTURE OF KEPLER'S MULTI-TRANSITING SYSTEMS. II. NEW INVESTIGATIONS WITH TWICE AS MANY CANDIDATES. <i>Astrophysical Journal</i> , 2014, 790, 146.	4.5	536
81	KOI-3278: A Self-Lensing Binary Star System. <i>Science</i> , 2014, 344, 275-277.	12.6	51
82	ATMOSPHERIC CHARACTERIZATION OF THE HOT JUPITER KEPLER-13Ab. <i>Astrophysical Journal</i> , 2014, 788, 92.	4.5	110
83	VALIDATION OF KEPLER'S MULTIPLE PLANET CANDIDATES. II. REFINED STATISTICAL FRAMEWORK AND DESCRIPTIONS OF SYSTEMS OF SPECIAL INTEREST. <i>Astrophysical Journal</i> , 2014, 784, 44.	4.5	182
84	WARM SPITZER AND PALOMAR NEAR-IR SECONDARY ECLIPSE PHOTOMETRY OF TWO HOT JUPITERS: WASP-48b AND HAT-P-23b. <i>Astrophysical Journal</i> , 2014, 781, 109.	4.5	55
85	MASSES, RADII, AND ORBITS OF SMALL KEPLER PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 210, 20.	7.7	418
86	PLANET HUNTERS. VII. DISCOVERY OF A NEW LOW-MASS, LOW-DENSITY PLANET (PH3 C) ORBITING KEPLER-289 WITH MASS MEASUREMENTS OF TWO ADDITIONAL PLANETS (PH3 B AND D). <i>Astrophysical Journal</i> , 2014, 795, 167.	4.5	67
87	CONSTRAINTS ON THE ATMOSPHERIC CIRCULATION AND VARIABILITY OF THE ECCENTRIC HOT JUPITER XO-3b. <i>Astrophysical Journal</i> , 2014, 794, 134.	4.5	56
88	TTVfast: AN EFFICIENT AND ACCURATE CODE FOR TRANSIT TIMING INVERSION PROBLEMS. <i>Astrophysical Journal</i> , 2014, 787, 132.	4.5	124
89	THE 4.5 $\mu\text{m}$ FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. <i>Astrophysical Journal</i> , 2014, 790, 53.	4.5	152
90	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.	4.5	409

#	ARTICLE	IF	CITATIONS
91	EXOFAST: A Fast Exoplanetary Fitting Suite in IDL. Publications of the Astronomical Society of the Pacific, 2013, 125, 83-112.	3.1	539
92	A sub-Mercury-sized exoplanet. Nature, 2013, 494, 452-454.	27.8	193
93	Kepler-62: A Five-Planet System with Planets of 1.4 and 1.6 Earth Radii in the Habitable Zone. Science, 2013, 340, 587-590.	12.6	213
94	ORBITAL PHASE VARIATIONS OF THE ECCENTRIC GIANT PLANET HAT-P-2b. Astrophysical Journal, 2013, 766, 95.	4.5	153
95	Three-dimensional radiative-hydrodynamical simulations of the highly irradiated short-period exoplanet HD189733b. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3159-3168.	4.4	118
96	Transit timing observations from Kepler " VII. Confirmation of 27 planets in 13 multiplanet systems via transit timing variations and orbital stability. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1077-1087.	4.4	174
97	DETECTION OF SUBSTRUCTURE IN THE GRAVITATIONALLY LENSED QUASAR MG0414+0534 USING MID-INFRARED AND RADIO VLBI OBSERVATIONS. Astrophysical Journal, 2013, 773, 35.	4.5	47
98	VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. IV. A CANDIDATE BROWN DWARF OR LOW-MASS STELLAR COMPANION TO HIP 67526. Astronomical Journal, 2013, 146, 65.	4.7	30
99	VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. V. A LOW ECCENTRICITY BROWN DWARF FROM THE DRIEST PART OF THE DESERT, MARVELS-6b. Astronomical Journal, 2013, 145, 155.	4.7	38
100	OBSERVATIONS OF THE WASP-2 SYSTEM BY THE APOSTLE PROGRAM. Astrophysical Journal Letters, 2013, 764, L17.	8.3	27
101	SECONDARY ECLIPSE PHOTOMETRY OF THE EXOPLANET WASP-5b WITH WARM SPITZER. Astrophysical Journal, 2013, 773, 124.	4.5	46
102	VERY-LOW-MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. III. A SHORT-PERIOD BROWN DWARF CANDIDATE AROUND AN ACTIVE GOIV SUBGIANT. Astronomical Journal, 2013, 145, 20.	4.7	12
103	A CAUTIONARY TALE: MARVELS BROWN DWARF CANDIDATE REVEALS ITSELF TO BE A VERY LONG PERIOD, HIGHLY ECCENTRIC SPECTROSCOPIC STELLAR BINARY. Astronomical Journal, 2013, 145, 139.	4.7	30
104	WARM SPITZER PHOTOMETRY OF THREE HOT JUPITERS: HAT-P-3b, HAT-P-4b AND HAT-P-12b. Astrophysical Journal, 2013, 770, 102.	4.5	71
105	ALL SIX PLANETS KNOWN TO ORBIT KEPLER-11 HAVE LOW DENSITIES. Astrophysical Journal, 2013, 770, 131.	4.5	145
106	TRANSIT TIMING OBSERVATIONS FROM KEPLER . VIII. CATALOG OF TRANSIT TIMING MEASUREMENTS OF THE FIRST TWELVE QUARTERS. Astrophysical Journal, Supplement Series, 2013, 208, 16.	7.7	147
107	THE QUASIPERIODIC AUTOMATED TRANSIT SEARCH ALGORITHM. Astrophysical Journal, 2013, 765, 132.	4.5	63
108	APOSTLE: 11 TRANSIT OBSERVATIONS OF TrES-3b. Astrophysical Journal, 2013, 764, 8.	4.5	15

#	ARTICLE	IF	CITATIONS
109	A SEARCH FOR EXOZODIACAL CLOUDS WITH <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2013, 764, 195.	4.5	26
110	VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. II. A SHORT-PERIOD COMPANION ORBITING AN F STAR WITH EVIDENCE OF A STELLAR TERTIARY AND SIGNIFICANT MUTUAL INCLINATION. <i>Astronomical Journal</i> , 2012, 144, 72.	4.7	16
111	VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. I. A LOW-MASS RATIO STELLAR COMPANION TO TYC 4110-01037-1 IN A 79 DAY ORBIT. <i>Astronomical Journal</i> , 2012, 143, 107.	4.7	21
112	Kepler-36: A Pair of Planets with Neighboring Orbits and Dissimilar Densities. <i>Science</i> , 2012, 337, 556-559.	12.6	335
113	Transit Analysis Package: An IDL Graphical User Interface for Exoplanet Transit Photometry. <i>Advances in Astronomy</i> , 2012, 2012, 1-8.	1.1	98
114	3.6 AND 4.5 $\mu$ m PHASE CURVES AND EVIDENCE FOR NON-EQUILIBRIUM CHEMISTRY IN THE ATMOSPHERE OF EXTRASOLAR PLANET HD 189733b. <i>Astrophysical Journal</i> , 2012, 754, 22.	4.5	264
115	A TWO-DIMENSIONAL INFRARED MAP OF THE EXTRASOLAR PLANET HD 189733b. <i>Astrophysical Journal Letters</i> , 2012, 747, L20.	8.3	140
116	WARM <i>SPITZER</i> OBSERVATIONS OF THREE HOT EXOPLANETS: XO-4b, HAT-P-6b, AND HAT-P-8b. <i>Astrophysical Journal</i> , 2012, 746, 111.	4.5	69
117	RAPID DYNAMICAL CHAOS IN AN EXOPLANETARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2012, 755, L21.	8.3	88
118	Kepler-47: A Transiting Circumbinary Multiplanet System. <i>Science</i> , 2012, 337, 1511-1514.	12.6	312
119	THE NEPTUNE-SIZED CIRCUMBINARY PLANET KEPLER-38b. <i>Astrophysical Journal</i> , 2012, 758, 87.	4.5	213
120	THE IMPACT OF CIRCUMPLANTARY JETS ON TRANSIT SPECTRA AND TIMING OFFSETS FOR HOT JUPITERS. <i>Astrophysical Journal</i> , 2012, 751, 87.	4.5	66
121	The size of the jet launching region in M87. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 1517-1528.	4.4	127
122	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
123	<i>KEPLER</i> AND GROUND-BASED TRANSITS OF THE EXO-NEPTUNE HAT-P-11b. <i>Astrophysical Journal</i> , 2011, 740, 33.	4.5	72
124	Zooming into the broad line region of the gravitationally lensed quasar QSO $\hat{A}$ 2237 $\hat{A}$ + $\hat{A}$ 0305 $\hat{A}$ $\hat{A}$ $\hat{A}$ the Einstein Cross. <i>Astronomy and Astrophysics</i> , 2011, 528, A100.	5.1	69
125	SECONDARY ECLIPSE PHOTOMETRY OF WASP-4b WITH WARM <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2011, 727, 23.	4.5	77
126	A MODEL FOR THERMAL PHASE VARIATIONS OF CIRCULAR AND ECCENTRIC EXOPLANETS. <i>Astrophysical Journal</i> , 2011, 726, 82.	4.5	124



#	ARTICLE	IF	CITATIONS
127	TRANSIT SURVEYS FOR EARTHS IN THE HABITABLE ZONES OF WHITE DWARFS. <i>Astrophysical Journal Letters</i> , 2011, 731, L31.	8.3	104
128	MARVELS-1b: A SHORT-PERIOD, BROWN DWARF DESERT CANDIDATE FROM THE SDSS-III MARVELS PLANET SEARCH. <i>Astrophysical Journal</i> , 2011, 728, 32.	4.5	29
129	QUASAR ACCRETION DISKS ARE STRONGLY INHOMOGENEOUS. <i>Astrophysical Journal Letters</i> , 2011, 727, L24.	8.3	153
130	ROTATIONAL VARIABILITY OF EARTH'S POLAR REGIONS: IMPLICATIONS FOR DETECTING SNOWBALL PLANETS. <i>Astrophysical Journal</i> , 2011, 731, 76.	4.5	50
131	WARM <i>SPITZER</i> PHOTOMETRY OF THE TRANSITING EXOPLANETS CoRoT-1 AND CoRoT-2 AT SECONDARY ECLIPSE. <i>Astrophysical Journal</i> , 2011, 726, 95.	4.5	92
132	APOSTLE OBSERVATIONS OF GJ 1214b: SYSTEM PARAMETERS AND EVIDENCE FOR STELLAR ACTIVITY. <i>Astrophysical Journal</i> , 2011, 731, 123.	4.5	43
133	A <i>SPITZER</i> TRANSMISSION SPECTRUM FOR THE EXOPLANET GJ 436b, EVIDENCE FOR STELLAR VARIABILITY, AND CONSTRAINTS ON DAYSIDE FLUX VARIATIONS. <i>Astrophysical Journal</i> , 2011, 735, 27.	4.5	115
134	THE STATISTICS OF ALBEDO AND HEAT RECIRCULATION ON HOT EXOPLANETS. <i>Astrophysical Journal</i> , 2011, 729, 54.	4.5	276
135	Transit timing analysis of CoRoT-1b. <i>Astronomy and Astrophysics</i> , 2010, 510, A94.	5.1	21
136	EXOPLANETARY TRANSITS OF LIMB-BRIGHTENED LINES: TENTATIVE Si IV ABSORPTION BY HD 209458b. <i>Astrophysical Journal Letters</i> , 2010, 722, L75-L79.	8.3	54
137	THE CLIMATE OF HD 189733b FROM FOURTEEN TRANSITS AND ECLIPSES MEASURED BY <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2010, 721, 1861-1877.	4.5	266
138	THE SIZES OF THE X-RAY AND OPTICAL EMISSION REGIONS OF RXJ 1131-1231. <i>Astrophysical Journal</i> , 2010, 709, 278-285.	4.5	194
139	THE SUBMILLIMETER BUMP IN Sgr A* FROM RELATIVISTIC MHD SIMULATIONS. <i>Astrophysical Journal</i> , 2010, 717, 1092-1104.	4.5	182
140	A PRECISE ESTIMATE OF THE RADIUS OF THE EXOPLANET HD 149026b FROM <i>SPITZER</i> PHOTOMETRY. <i>Astrophysical Journal</i> , 2009, 692, 229-235.	4.5	43
141	<i>SPITZER</i> OBSERVATIONS OF A GRAVITATIONALLY LENSED QUASAR, QSO 2237+0305. <i>Astrophysical Journal</i> , 2009, 697, 1010-1019.	4.5	27
142	THE 8 $\mu$ m PHASE VARIATION OF THE HOT SATURN HD 149026b. <i>Astrophysical Journal</i> , 2009, 703, 769-784.	4.5	116
143	MILLIMETER FLARES AND VLBI VISIBILITIES FROM RELATIVISTIC SIMULATIONS OF MAGNETIZED ACCRETION ONTO THE GALACTIC CENTER BLACK HOLE. <i>Astrophysical Journal</i> , 2009, 703, L142-L146.	4.5	106
144	DETECTION OF A COMPANION LENS GALAXY USING THE MID-INFRARED FLUX RATIOS OF THE GRAVITATIONALLY LENSED QUASAR H1413+117. <i>Astrophysical Journal</i> , 2009, 699, 1578-1583.	4.5	37

#	ARTICLE	IF	CITATIONS
145	MULTIWAVELENGTH CONSTRAINTS ON THE DAY-NIGHT CIRCULATION PATTERNS OF HD 189733b. <i>Astrophysical Journal</i> , 2009, 690, 822-836.	4.5	204
146	A FAST NEW PUBLIC CODE FOR COMPUTING PHOTON ORBITS IN A KERR SPACETIME. <i>Astrophysical Journal</i> , 2009, 696, 1616-1629.	4.5	162
147	Transit Timing Observations of the Extrasolar Hot-Neptune Planet GL 436 b. , 2009, , .		0
148	ALIEN MAPS OF AN OCEAN-BEARING WORLD. <i>Astrophysical Journal</i> , 2009, 700, 915-923.	4.5	188
149	Two-Micron All-Sky Survey J01542930+0053266: a new eclipsing M dwarf binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 416-424.	4.4	30
150	Transits and secondary eclipses of HD 189733 with Spitzer. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 209-215.	0.0	2
151	A Precise Estimate of the Radius of HD 149026b. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 466-469.	0.0	0
152	Inverting Phase Curves to Map Exoplanets. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 544-547.	0.0	0
153	Inverting Phase Functions to Map Exoplanets. <i>Astrophysical Journal</i> , 2008, 678, L129-L132.	4.5	158
154	Extending the Model of KH 15D: Estimating the Effects of Forward Scattering and Curvature of the Occulting Ring Edge. <i>Astrophysical Journal</i> , 2008, 681, 1377-1384.	4.5	9
155	Microlensing variability in the gravitationally lensed quasar QSO $\hat{A}$ 2237+0305 $\hat{a}$ €€<i>â%o; </i>the Einstein Cross. <i>Astronomy and Astrophysics</i> , 2008, 480, 647-661.	5.1	48
156	Microlensing variability in the gravitationally lensed quasar QSO $\hat{A}$ 2237+0305 $\mathit{mathsf{equiv}}$ the Einstein Cross. <i>Astronomy and Astrophysics</i> , 2008, 490, 933-943.	5.1	101
157	Observations of Extrasolar Planets During the non-Cryogenic Spitzer Space Telescope Mission. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
158	Discovery of Probable Relativistic Fe Emission and Absorption in the Cloverleaf Quasar H 1413+117. <i>Astrophysical Journal</i> , 2007, 661, 678-692.	4.5	45
159	New Worlds on the Horizon: Earth-Sized Planets Close to Other Stars. <i>Science</i> , 2007, 318, 210-213.	12.6	59
160	A map of the day $\hat{e}$ “night contrast of the extrasolar planet HD 189733b. <i>Nature</i> , 2007, 447, 183-186.	27.8	650
161	A limit on the presence of Earth-mass planets around a Sun-like star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 941-948.	4.4	78
162	Rounding up the wanderers: optimizing coronagraphic searches for extrasolar planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 1271-1289.	4.4	46

#	ARTICLE	IF	CITATIONS
163	Hot nights on extrasolar planets: mid-infrared phase variations of hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 641-646.	4.4	147
164	Hubble imaging excludes cosmic string lens. <i>Physical Review D</i> , 2006, 73, .	4.7	17
165	Discovery of a double peaked Fe emission line in the Cloverleaf quasar H1413+117. <i>Astronomische Nachrichten</i> , 2006, 327, 1063-1066.	1.2	0
166	Ultracompact AM Canum Venaticorum Binaries from the Sloan Digital Sky Survey: Three Candidates Plus the First Confirmed Eclipsing System. <i>Astronomical Journal</i> , 2005, 130, 2230-2236.	4.7	67
167	On detecting terrestrial planets with timing of giant planet transits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 567-579.	4.4	681
168	An analysis of the transit times of TrES-1b. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 364, L96-L100.	3.3	110
169	Spectropolarimetry and Modeling of the Eclipsing T Tauri Star KH 15D. <i>Astrophysical Journal</i> , 2004, 600, 781-788.	4.5	28
170	Chandra Observations of the Cloverleaf Quasar H1413+117: A Unique Laboratory for Microlensing Studies of a LoBAL Quasar. <i>Astrophysical Journal</i> , 2004, 606, 78-84.	4.5	46
171	Microlensing of Large Sources. <i>Astrophysical Journal</i> , 2003, 594, 449-455.	4.5	53
172	Finding White Dwarfs with Transit Searches. <i>Astrophysical Journal</i> , 2003, 592, 1151-1155.	4.5	13
173	Chandra Observations of QSO 2237+0305. <i>Astrophysical Journal</i> , 2003, 589, 100-110.	4.5	71
174	Analytic Light Curves for Planetary Transit Searches. <i>Astrophysical Journal</i> , 2002, 580, L171-L175.	4.5	1,762
175	Occultation and Microlensing. <i>Astrophysical Journal</i> , 2002, 579, 430-436.	4.5	48
176	Constraints on the mass profile of the lens galaxy G2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 575-582.	4.4	3
177	The size of the mid-IR emission region of a quasar inferred from microlensed images of Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 1041-1052.	4.4	28
178	X-rays from isolated black holes in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 334, 553-562.	4.4	101
179	Caught in the Act: Chandra Observations of Microlensing of the Radio-quiet Quasar MG J0414+0534. <i>Astrophysical Journal</i> , 2002, 568, 509-521.	4.5	58
180	Finding Black Holes with Microlensing. <i>Astrophysical Journal</i> , 2002, 576, L131-L135.	4.5	42

#	ARTICLE	IF	CITATIONS
181	Galactic center ADAF ruled out by polarization. AIP Conference Proceedings, 2001, , .	0.4	0
182	Non- $\text{LTE}$ Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. IV. Effects of Compton Scattering and Metal Opacities. Astrophysical Journal, 2001, 559, 680-702.	4.5	139
183	Sgr A*: Observations, Models, and Imaging of the event horizon with VLBI. Symposium - International Astronomical Union, 2001, 205, 28-31.	0.1	0
184	Mid-Infrared Imaging of the Einstein Cross QSO. Publications of the Astronomical Society of Australia, 2001, 18, 166-168.	3.4	5
185	Two-dimensional Hydrodynamic Simulations of Convection in Radiation-dominated Accretion Disks. Astrophysical Journal, 2001, 558, 543-552.	4.5	31
186	Non- $\text{LTE}$ , Relativistic Accretion Disk Fits to 3C 273 and the Origin of the Lyman Limit Spectral Break. Astrophysical Journal, 2001, 563, 560-568.	4.5	34
187	The shadow of the black hole at the galactic center. AIP Conference Proceedings, 2000, , .	0.4	6
188	Magnetic Stress at the Marginally Stable Orbit: Altered Disk Structure, Radiation, and Black Hole Spin Evolution. Astrophysical Journal, 2000, 528, 161-170.	4.5	230
189	Non- $\text{LTE}$ Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. III. Integrated Spectra for Hydrogen-Helium Disks. Astrophysical Journal, 2000, 533, 710-728.	4.5	122
190	Predicting caustic-crossing high-magnification events in Q2237+0305. Monthly Notices of the Royal Astronomical Society, 2000, 318, 1105-1119.	4.4	8
191	Keck Mid-Infrared Imaging of QSO 2237+0305. Astrophysical Journal, 2000, 545, 657-663.	4.5	54
192	Viewing the Shadow of the Black Hole at the Galactic Center. Astrophysical Journal, 2000, 528, L13-L16.	4.5	733
193	Sagittarius A* Polarization: No Advection-dominated Accretion Flow, Low Accretion Rate, and Nonthermal Synchrotron Emission. Astrophysical Journal, 2000, 538, L121-L124.	4.5	93
194	Imaging a Quasar Accretion Disk with Microlensing. Astrophysical Journal, 1999, 524, 49-64.	4.5	61
195	Polarization from magnetized accretion discs - II. The effects of absorption opacity on Faraday rotation. Monthly Notices of the Royal Astronomical Society, 1998, 293, 1-17.	4.4	25
196	Continuum spectra of quasar accretion disk models. , 1998, , .		1
197	Photon Damping of Waves in Accretion Disks. Astrophysical Journal, 1998, 507, 304-315.	4.5	37
198	Optical/Ultraviolet Continuum Polarization of AGN Accretion Disks. International Astronomical Union Colloquium, 1997, 163, 610-614.	0.1	0

#	ARTICLE	IF	CITATIONS
199	Polarization During Caustic Crossing. Symposium - International Astronomical Union, 1996, 173, 235-236.	0.1	0
200	Polarization from magnetized accretion discs in active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 1996, 282, 965-976.	4.4	48
201	Polarization during binary microlensing. Monthly Notices of the Royal Astronomical Society, 1996, 279, 571-580.	4.4	19
202	Spectropolarimetric Test of the Relativistic Disk Model for the Broad H $\beta$ Line of Arp 102B. Astrophysical Journal, 1996, 456, .	4.5	4
203	Polarization near the Lyman Edge in Accretion Disk Atmosphere Models of Quasars. Astrophysical Journal, 1996, 469, L41-L44.	4.5	23