Jon M Jenkins

List of Publications by Citations

346 papers	31,651 citations	93 h-index	173 g-index
366 ext. papers	36,751 ext. citations	7.5 avg, IF	6.09 L-index

#	Paper	IF	Citations
346	Kepler planet-detection mission: introduction and first results. *Science*, **2010**, 327, 977-80	33.3	2235
345	Transiting Exoplanet Survey Satellite. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2014**, 1, 014003	1.1	1371
344	KEPLER MISSION DESIGN, REALIZED PHOTOMETRIC PERFORMANCE, AND EARLY SCIENCE. *Astrophysical Journal Letters*, **2010**, 713, L79-L86	7.9	807
343	THE FALSE POSITIVE RATE OFKEPLERAND THE OCCURRENCE OF PLANETS. *Astrophysical Journal*, **2013**, 766, 81	4.7	783
342	CHARACTERISTICS OF PLANETARY CANDIDATES OBSERVED BYKEPLER. II. ANALYSIS OF THE FIRST FOUR MONTHS OF DATA. *Astrophysical Journal*, **2011**, 736, 19	4.7	768
341	PLANETARY CANDIDATES OBSERVED BY KEPLER . III. ANALYSIS OF THE FIRST 16 MONTHS OF DATA. *Astrophysical Journal, Supplement Series*, **2013**, 204, 24	8	755
340	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM KEPLER. *Astrophysical Journal, Supplement Series*, **2012**, 201, 15	8	748
339	The PLATO 2.0 mission. *Experimental Astronomy*, **2014**, 38, 249-330	1.3	672
338	Kepler-16: a transiting circumbinary planet. *Science*, **2011**, 333, 1602-6	33.3	528
337	ARCHITECTURE AND DYNAMICS OF KEPLER ’S CANDIDATE MULTIPLE TRANSITING PLANET SYSTEMS. *Astrophysical Journal, Supplement Series*, **2011**, 197, 8	8	525
336	KeplerPresearch Data Conditioning II - A Bayesian Approach to Systematic Error Correction. *Publications of the Astronomical Society of the Pacific*, **2012**, 124, 1000-1014	5	470
335	OVERVIEW OF THE KEPLER SCIENCE PROCESSING PIPELINE. *Astrophysical Journal Letters*, **2010**, 713, L87-L91	7.9	452
334	ARCHITECTURE OFKEPLER’S MULTI-TRANSITING SYSTEMS. II. NEW INVESTIGATIONS WITH TWICE AS MANY CANDIDATES. *Astrophysical Journal*, **2014**, 790, 146	4.7	440
333	KEPLER’S FIRST ROCKY PLANET: KEPLER-10b. *Astrophysical Journal*, **2011**, 729, 27	4.7	428
332	Transiting Exoplanet Survey Satellite (TESS) **2014**,		413
331	Gravity modes as a way to distinguish between hydrogen- and helium-burning red giant stars. *Nature*, **2011**, 471, 608-11	50.4	387
330	Kepler Presearch Data Conditioning IÆrchitecture and Algorithms for Error Correction in Kepler Light Curves. *Publications of the Astronomical Society of the Pacific*, **2012**, 124, 985-999	5	385

329	MASSES, RADII, AND ORBITS OF SMALL KEPLER PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. *Astrophysical Journal, Supplement Series*, **2014**, 210, 20	8	368
328	KEPLERECLIPSING BINARY STARS. I. CATALOG AND PRINCIPAL CHARACTERIZATION OF 1879 ECLIPSING BINARIES IN THE FIRST DATA RELEASE. *Astronomical Journal*, **2011**, 141, 83	4.9	363
327	VALIDATION OFKEPLER'S MULTIPLE PLANET CANDIDATES. III. LIGHT CURVE ANALYSIS AND ANNOUNCEMENT OF HUNDREDS OF NEW MULTI-PLANET SYSTEMS. *Astrophysical Journal*, **2014**, 784, 45	4.7	358
326	Transiting circumbinary planets Kepler-34 b and Kepler-35 b. *Nature*, **2012**, 481, 475-9	50.4	342
325	Kepler Asteroseismology Program: Introduction and First Results. *Publications of the Astronomical Society of the Pacific*, **2010**, 122, 131-143	5	333
324	KEPLERECLIPSING BINARY STARS. II. 2165 ECLIPSING BINARIES IN THE SECOND DATA RELEASE. *Astronomical Journal*, **2011**, 142, 160	4.9	313
323	Kepler-36: a pair of planets with neighboring orbits and dissimilar densities. *Science*, **2012**, 337, 556-9	33.3	305
322	Kepler-9: a system of multiple planets transiting a Sun-like star, confirmed by timing variations. *Science*, **2010**, 330, 51-4	33.3	303
321	CHARACTERISTICS OFKEPLERPLANETARY CANDIDATES BASED ON THE FIRST DATA SET. *Astrophysical Journal*, **2011**, 728, 117	4.7	291
320	The TESS science processing operations center **2016**,		286
319	INITIAL CHARACTERISTICS OF KEPLER LONG CADENCE DATA FOR DETECTING TRANSITING PLANETS. *Astrophysical Journal Letters*, **2010**, 713, L120-L125	7.9	285
318	INITIAL CHARACTERISTICS OF KEPLER SHORT CADENCE DATA. *Astrophysical Journal Letters*, **2010**, 713, L160-L163	7.9	276
317	Kepler-47: a transiting circumbinary multiplanet system. *Science*, **2012**, 337, 1511-4	33.3	269
316	TERRESTRIAL PLANET OCCURRENCE RATES FOR THEKEPLERGK DWARF SAMPLE. *Astrophysical Journal*, **2015**, 809, 8	4.7	259
315	Ensemble asteroseismology of solar-type stars with the NASA Kepler mission. *Science*, **2011**, 332, 213-6	33.3	241
314	PLANETARY CANDIDATES OBSERVED BY . VIII. A FULLY AUTOMATED CATALOG WITH MEASURED COMPLETENESS AND RELIABILITY BASED ON DATA RELEASE 25. *Astrophysical Journal, Supplement Series*, **2018**, 235,	8	232
313	ALMOST ALL OFKEPLER'S MULTIPLE-PLANET CANDIDATES ARE PLANETS. *Astrophysical Journal*, **2012**, 750, 112	4.7	230
312	Multiscale Systematic Error Correction via Wavelet-Based Bandsplitting inKeplerData. *Publications of the Astronomical Society of the Pacific*, **2014**, 126, 100-114	5	226

311	PLANETARY CANDIDATES OBSERVED BY KEPLER IV: PLANET SAMPLE FROM Q1-Q8 (22 MONTHS). *Astrophysical Journal, Supplement Series*, **2014**, 210, 19	8	210
310	PLANETARY CANDIDATES OBSERVED BY KEPLER . VI. PLANET SAMPLE FROM Q1Q16 (47 MONTHS). *Astrophysical Journal, Supplement Series*, **2015**, 217, 31	8	209
309	Kepler-22b: A 2.4 EARTH-RADIUS PLANET IN THE HABITABLE ZONE OF A SUN-LIKE STAR. *Astrophysical Journal*, **2012**, 745, 120	4.7	200
308	Preparation of Kepler light curves for asteroseismic analyses. *Monthly Notices of the Royal Astronomical Society: Letters*, **2011**, 414, L6-L10	4.3	197
307	MODELINGKEPLERTRANSIT LIGHT CURVES AS FALSE POSITIVES: REJECTION OF BLEND SCENARIOS FOR KEPLER-9, AND VALIDATION OF KEPLER-9 d, A SUPER-EARTH-SIZE PLANET IN A MULTIPLE SYSTEM. *Astrophysical Journal*, **2011**, 727, 24	4.7	196
306	SOLAR-LIKE OSCILLATIONS IN LOW-LUMINOSITY RED GIANTS: FIRST RESULTS FROM KEPLER. *Astrophysical Journal Letters*, **2010**, 713, L176-L181	7.9	191
305	PLANETARY CANDIDATES OBSERVED BY KEPLER . VII. THE FIRST FULLY UNIFORM CATALOG BASED ON THE ENTIRE 48-MONTH DATA SET (Q1Q17 DR24). *Astrophysical Journal, Supplement Series*, **2016**, 224, 12	8	190
304	THE NEPTUNE-SIZED CIRCUMBINARY PLANET KEPLER-38b. *Astrophysical Journal*, **2012**, 758, 87	4.7	183
303	Kepler-62: a five-planet system with planets of 1.4 and 1.6 Earth radii in the habitable zone. *Science*, **2013**, 340, 587-90	33.3	181
302	The Derivation, Properties, and Value of Kepler's Combined Differential Photometric Precision. *Publications of the Astronomical Society of the Pacific*, **2012**, 124, 1279-1287	5	180
301	KOI-126: a triply eclipsing hierarchical triple with two low-mass stars. *Science*, **2011**, 331, 562-5	33.3	176
300	TRANSIT TIMING OBSERVATIONS FROMKEPLER. IV. CONFIRMATION OF FOUR MULTIPLE-PLANET SYSTEMS BY SIMPLE PHYSICAL MODELS. *Astrophysical Journal*, **2012**, 750, 114	4.7	173
299	A sub-Mercury-sized exoplanet. *Nature*, **2013**, 494, 452-4	50.4	171
298	THE KEPLER CLUSTER STUDY: STELLAR ROTATION IN NGC 6811. *Astrophysical Journal Letters*, **2011** , 733, L9	7.9	170
297	PHOTOMETRIC VARIABILITY INKEPLERTARGET STARS. II. AN OVERVIEW OF AMPLITUDE, PERIODICITY, AND ROTATION IN FIRST QUARTER DATA. *Astronomical Journal*, **2011**, 141, 20	4.9	166
296	KOI-54: THE KEPLER DISCOVERY OF TIDALLY EXCITED PULSATIONS AND BRIGHTENINGS IN A HIGHLY ECCENTRIC BINARY. *Astrophysical Journal, Supplement Series*, **2011**, 197, 4	8	165
295	Alignment of the stellar spin with the orbits of a three-planet system. *Nature*, **2012**, 487, 449-53	50.4	162
294	Kepler detected gravity-mode period spacings in a red giant star. *Science*, **2011**, 332, 205	33.3	162

293	The Impact of Solar-like Variability on the Detectability of Transiting Terrestrial Planets. *Astrophysical Journal*, **2002**, 575, 493-505	4.7	158
292	ASTEROSEISMOLOGY OF RED GIANTS FROM THE FIRST FOUR MONTHS OFKEPLERDATA: GLOBAL OSCILLATION PARAMETERS FOR 800 STARS. *Astrophysical Journal*, **2010**, 723, 1607-1617	4.7	155
291	KEPLER MISSION STELLAR AND INSTRUMENT NOISE PROPERTIES. *Astrophysical Journal, Supplement Series*, **2011**, 197, 6	8	154
290	KEPLER-18b, c, AND d: A SYSTEM OF THREE PLANETS CONFIRMED BY TRANSIT TIMING VARIATIONS, LIGHT CURVE VALIDATION, WARM-SPITZER PHOTOMETRY, AND RADIAL VELOCITY MEASUREMENTS. *Astrophysical Journal, Supplement Series*, **2011**, 197, 7	8	151
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287	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	4.3	147
286	A FIRST COMPARISON OF KEPLER PLANET CANDIDATES IN SINGLE AND MULTIPLE SYSTEMS. *Astrophysical Journal Letters*, **2011**, 732, L24	7.9	147
285	THE HOT-JUPITER KEPLER-17b: DISCOVERY, OBLIQUITY FROM STROBOSCOPIC STARSPOTS, AND ATMOSPHERIC CHARACTERIZATION. *Astrophysical Journal, Supplement Series*, **2011**, 197, 14	8	144
284	PLANETARY CANDIDATES OBSERVED BY KEPLER . V. PLANET SAMPLE FROM Q1Q12 (36 MONTHS). *Astrophysical Journal, Supplement Series*, **2015**, 217, 16	8	140
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282	WHITE-LIGHT FLARES ON COOL STARS IN THEKEPLERQUARTER 1 DATA. *Astronomical Journal*, **2011**, 141, 50	4.9	136
281	ALL SIX PLANETS KNOWN TO ORBIT KEPLER-11 HAVE LOW DENSITIES. *Astrophysical Journal*, **2013**, 770, 131	4.7	134
280	Transit timing observations from Kepler III. Confirmation of four multiple planet systems by a Fourier-domain study of anticorrelated transit timing variations. *Monthly Notices of the Royal Astronomical Society*, **2012**, 421, 2342-2354	4.3	132
279	DISCOVERY AND VALIDATION OF Kepler-452b: A 1.6R?SUPER EARTH EXOPLANET IN THE HABITABLE ZONE OF A G2 STAR. *Astronomical Journal*, **2015**, 150, 56	4.9	129
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277	TESS DISCOVERY OF A TRANSITING SUPER-EARTH IN THE MENSAE SYSTEM. *Astrophysical Journal Letters*, **2018**, 868,	7.9	125
276	ASTEROSEISMIC INVESTIGATION OF KNOWN PLANET HOSTS IN THE KEPLER FIELD. *Astrophysical Journal Letters*, **2010**, 713, L164-L168	7.9	124

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274	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. *Astrophysical Journal*, **2010**, 723, 1583-1598	4.7	123
273	Identification of Background False Positives fromKeplerData. *Publications of the Astronomical Society of the Pacific*, **2013**, 125, 889-923	5	122
272	INSTRUMENT PERFORMANCE IN KEPLER's FIRST MONTHS. *Astrophysical Journal Letters*, **2010**, 713, L92-L96	7.9	120
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269	THE DISCOVERY OF ELLIPSOIDAL VARIATIONS IN THE KEPLER LIGHT CURVE OF HAT-P-7. *Astrophysical Journal Letters*, **2010**, 713, L145-L149	7.9	113
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267	KEPLER-20: A SUN-LIKE STAR WITH THREE SUB-NEPTUNE EXOPLANETS AND TWO EARTH-SIZE CANDIDATES. *Astrophysical Journal*, **2012**, 749, 15	4.7	111
266	THE DISTRIBUTION OF TRANSIT DURATIONS FOR KEPLER PLANET CANDIDATES AND IMPLICATIONS FOR THEIR ORBITAL ECCENTRICITIES. *Astrophysical Journal, Supplement Series*, **2011** , 197, 1	8	110
265	KeplerData Validation IâArchitecture, Diagnostic Tests, and Data Products for Vetting Transiting Planet Candidates. *Publications of the Astronomical Society of the Pacific*, **2018**, 130, 064502	5	110
264	KEPLER-4b: A HOT NEPTUNE-LIKE PLANET OF A G0 STAR NEAR MAIN-SEQUENCE TURNOFF. *Astrophysical Journal Letters*, **2010**, 713, L126-L130	7.9	105
263	Planet Hunters: the first two planet candidates identified by the public using the Kepler public archive data?. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 2900-2911	4.3	104
262	KEPLER SCIENCE OPERATIONS. *Astrophysical Journal Letters*, **2010**, 713, L115-L119	7.9	103
261	DETECTION OF KOI-13.01 USING THE PHOTOMETRIC ORBIT. *Astronomical Journal*, **2011**, 142, 195	4.9	103
260	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BYKEPLER. *Astrophysical Journal*, **2011**, 732, 54	4.7	102
259	VALIDATION OF 12 SMALLKEPLERTRANSITING PLANETS IN THE HABITABLE ZONE. *Astrophysical Journal*, **2015**, 800, 99	4.7	101
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256	Transiting planet search in the Kepler pipeline **2010**,		95
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252	CONTAMINATION IN THEKEPLERFIELD. IDENTIFICATION OF 685 KOIs AS FALSE POSITIVES VIA EPHEMERIS MATCHING BASED ON Q1-Q12 DATA. *Astronomical Journal*, **2014**, 147, 119	4.9	90
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250	Stellar Flares from the FirstTESSData Release: Exploring a New Sample of M Dwarfs. *Astronomical Journal*, **2020**, 159, 60	4.9	88
249	Kepler Data Validation IITransit Model Fitting and Multiple-planet Search. *Publications of the Astronomical Society of the Pacific*, **2019**, 131, 024506	5	87
248	TRANSIT TIMING OBSERVATIONS FROM KEPLER . I. STATISTICAL ANALYSIS OF THE FIRST FOUR MONTHS. *Astrophysical Journal, Supplement Series*, **2011**, 197, 2	8	87
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230	KEPLER-6b: A TRANSITING HOT JUPITER ORBITING A METAL-RICH STAR. *Astrophysical Journal Letters*, **2010**, 713, L136-L139	7.9	69
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201	Photometric analysis in the Kepler Science Operations Center pipeline **2010**,		43
200	CONFIRMATION OF HOT JUPITER KEPLER-41b VIA PHASE CURVE ANALYSIS. *Astrophysical Journal*, **2013**, 767, 137	4.7	41
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