

Leslie A Rogers

List of Publications by Year in descending order

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39
papers

5,234
citations

186265

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315739

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docs citations

39
times ranked

3058
citing authors

#	ARTICLE	IF	CITATIONS
1	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM <i>KEPLER</i>. <i>Astrophysical Journal, Supplement Series</i> , 2012, 201, 15.	7.7	871
2	<i>MOST</i> 1.6 EARTH-RADIUS PLANETS ARE NOT ROCKY. <i>Astrophysical Journal</i> , 2015, 801, 41.	4.5	596
3	MASSES, RADII, AND ORBITS OF SMALL <i>KEPLER</i> PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 20.	7.7	418
4	Kepler-36: A Pair of Planets with Neighboring Orbits and Dissimilar Densities. <i>Science</i> , 2012, 337, 556-559.	12.6	335
5	A FRAMEWORK FOR QUANTIFYING THE DEGENERACIES OF EXOPLANET INTERIOR COMPOSITIONS. <i>Astrophysical Journal</i> , 2010, 712, 974-991.	4.5	249
6	The California-Kepler Survey. I. High-resolution Spectroscopy of 1305 Stars Hosting Kepler Transiting Planets[*]. <i>Astronomical Journal</i> , 2017, 154, 107.	4.7	249
7	PROBABILISTIC MASSâ€“RADIUS RELATIONSHIP FOR SUB-NEPTUNE-SIZED PLANETS. <i>Astrophysical Journal</i> , 2016, 825, 19.	4.5	216
8	FORMATION AND STRUCTURE OF LOW-DENSITY EXO-NEPTUNES. <i>Astrophysical Journal</i> , 2011, 738, 59.	4.5	213
9	THE EXOPLANET MASS-RATIO FUNCTION FROM THE MOA-II SURVEY: DISCOVERY OF A BREAK AND LIKELY PEAK AT A NEPTUNEâ€“MASS. <i>Astrophysical Journal</i> , 2016, 833, 145.	4.5	202
10	THREE POSSIBLE ORIGINS FOR THE GAS LAYER ON GJ 1214b. <i>Astrophysical Journal</i> , 2010, 716, 1208-1216.	4.5	184
11	Two Earth-sized planets orbiting Kepler-20. <i>Nature</i> , 2012, 482, 195-198.	27.8	172
12	The California-Kepler Survey. II. Precise Physical Properties of 2025 Kepler Planets and Their Host Stars[*]. <i>Astronomical Journal</i> , 2017, 154, 108.	4.7	149
13	EVOLUTIONARY ANALYSIS OF GASEOUS SUB-NEPTUNE-MASS PLANETS WITH MESA. <i>Astrophysical Journal</i> , 2016, 831, 180.	4.5	134
14	KEPLER-20: A SUN-LIKE STAR WITH THREE SUB-NEPTUNE EXOPLANETS AND TWO EARTH-SIZE CANDIDATES. <i>Astrophysical Journal</i> , 2012, 749, 15.	4.5	125
15	A DYNAMICAL ANALYSIS OF THE KEPLER-80 SYSTEM OF FIVE TRANSITING PLANETS. <i>Astronomical Journal</i> , 2016, 152, 105.	4.7	115
16	THE ROCHE LIMIT FOR CLOSE-ORBITING PLANETS: MINIMUM DENSITY, COMPOSITION CONSTRAINTS, AND APPLICATION TO THE 4.2 hr PLANET KOI 1843.03. <i>Astrophysical Journal Letters</i> , 2013, 773, L15.	8.3	108
17	Threeâ€“s Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. <i>Astronomical Journal</i> , 2017, 154, 122.	4.7	90
18	TIDALLY DRIVEN ROCHE-LOBE OVERFLOW OF HOT JUPITERS WITH MESA. <i>Astrophysical Journal</i> , 2015, 813, 101.	4.5	78

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19	REVISED MASSES AND DENSITIES OF THE PLANETS AROUND KEPLER-10*. <i>Astrophysical Journal</i> , 2016, 819, 83.	4.5	74
20	REVISITING THE MICROLENSING EVENT OGLE 2012-BLG-0026: A SOLAR MASS STAR WITH TWO COLD GIANT PLANETS. <i>Astrophysical Journal</i> , 2016, 824, 83.	4.5	73
21	Absence of a Metallicity Effect for Ultra-short-period Planets [*] . <i>Astronomical Journal</i> , 2017, 154, 60.	4.7	71
22	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
23	K2-66b and K2-106b: Two Extremely Hot Sub-Neptune-size Planets with High Densities. <i>Astronomical Journal</i> , 2017, 153, 271.	4.7	60
24	A LOW STELLAR OBLIQUITY FOR WASP-47, A COMPACT MULTIPLANET SYSTEM WITH A HOT JUPITER AND AN ULTRA-SHORT PERIOD PLANET. <i>Astrophysical Journal Letters</i> , 2015, 812, L11.	8.3	59
25	DOPPLER MONITORING OF FIVE K2 TRANSITING PLANETARY SYSTEMS. <i>Astrophysical Journal</i> , 2016, 823, 115.	4.5	57
26	THE ECCENTRICITY DISTRIBUTION OF SHORT-PERIOD PLANET CANDIDATES DETECTED BY KEPLER IN OCCULTATION. <i>Astrophysical Journal</i> , 2016, 820, 93.	4.5	55
27	MASS CONSTRAINTS OF THE WASP-47 PLANETARY SYSTEM FROM RADIAL VELOCITIES. <i>Astronomical Journal</i> , 2017, 153, 70.	4.7	45
28	Nondetection of Helium in the Upper Atmospheres of Three Sub-Neptune Exoplanets. <i>Astronomical Journal</i> , 2020, 160, 258.	4.7	44
29	A Joint Mass-Radius-Period Distribution of Exoplanets. <i>Astrophysical Journal</i> , 2020, 891, 12.	4.5	40
30	Coupled Thermal and Compositional Evolution of Photoevaporating Planet Envelopes. <i>Astrophysical Journal</i> , 2020, 896, 48.	4.5	24
31	Host Star Dependence of Small Planet Mass-Radius Distributions. <i>Astrophysical Journal</i> , 2018, 858, 58.	4.5	12
32	Internal Structure and CO ₂ Reservoirs of Habitable Water Worlds. <i>Astrophysical Journal</i> , 2020, 890, 107.	4.5	10
33	The Volatile Carbon-to-oxygen Ratio as a Tracer for the Formation Locations of Interstellar Comets. <i>Planetary Science Journal</i> , 2022, 3, 150.	3.6	10
34	Tidally Distorted, Iron-enhanced Exoplanets Closely Orbiting Their Stars. <i>Astrophysical Journal</i> , 2020, 894, 8.	4.5	9
35	Evaluating the Evidence for Water World Populations Using Mixture Models. <i>Astrophysical Journal</i> , 2022, 933, 63.	4.5	9
36	Radius and Mass Distribution of Ultra-short-period Planets. <i>Astrophysical Journal</i> , 2021, 919, 26.	4.5	6

#	ARTICLE	IF	CITATIONS
37	Theoretical and Observational Evidence for Coriolis Effects in Coronal Magnetic Fields via Direct Current Driven Flaring Events. <i>Astrophysical Journal</i> , 2022, 929, 54.	4.5	3
38	Inferring Late-stage Enrichment of Exoplanet Atmospheres from Observed Interstellar Comets. <i>Astrophysical Journal Letters</i> , 2022, 933, L7.	8.3	2
39	Combining Transit and Radial Velocity Data. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 214-216.	0.0	0