

# Rachel A Street

## List of Publications by Citations

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61  
papers

2,617  
citations

25  
h-index

50  
g-index

63  
ext. papers

3,060  
ext. citations

4.6  
avg, IF

3.52  
L-index

#	Paper	IF	Citations
61	Las Cumbres Observatory Global Telescope Network. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2013</b> , 125, 1031-1055	5	524
60	THE LICK AGN MONITORING PROJECT: BROAD-LINE REGION RADII AND BLACK HOLE MASSES FROM REVERBERATION MAPPING OF H $\beta$ <i>Astrophysical Journal</i> , <b>2009</b> , 705, 199-217	4.7	294
59	KELT-1b: A STRONGLY IRRADIATED, HIGHLY INFLATED, SHORT PERIOD, 27 JUPITER-MASS COMPANION TRANSITING A MID-F STAR. <i>Astrophysical Journal</i> , <b>2012</b> , 761, 123	4.7	200
58	THE LICK AGN MONITORING PROJECT: REVERBERATION MAPPING OF OPTICAL HYDROGEN AND HELIUM RECOMBINATION LINES. <i>Astrophysical Journal</i> , <b>2010</b> , 716, 993-1011	4.7	141
57	MOA-2011-BLG-262Lb: A SUB-EARTH-MASS MOON ORBITING A GAS GIANT PRIMARY OR A HIGH VELOCITY PLANETARY SYSTEM IN THE GALACTIC BULGE. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 155	4.7	125
56	BINARY MICROLENSING EVENT OGLE-2009-BLG-020 GIVES VERIFIABLE MASS, DISTANCE, AND ORBIT PREDICTIONS. <i>Astrophysical Journal</i> , <b>2011</b> , 738, 87	4.7	106
55	PATHWAY TO THE GALACTIC DISTRIBUTION OF PLANETS: COMBINED SPITZER AND GROUND-BASED MICROLENS PARALLAX MEASUREMENTS OF 21 SINGLE-LENS EVENTS. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 20	4.7	94
54	SPITZER PARALLAX OF OGLE-2015-BLG-0966: A COLD NEPTUNE IN THE GALACTIC DISK. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 93	4.7	85
53	THE FIRST CIRCUMBINARY PLANET FOUND BY MICROLENSING: OGLE-2007-BLG-349L(AB)c. <i>Astronomical Journal</i> , <b>2016</b> , 152, 125	4.9	75
52	KELT-7b: A HOT JUPITER TRANSITING A BRIGHT $V=8.54$ RAPIDLY ROTATING F-STAR. <i>Astronomical Journal</i> , <b>2015</b> , 150, 12	4.9	65
51	First Results from the Lick AGN Monitoring Project: The Mass of the Black Hole in Arp 151. <i>Astrophysical Journal</i> , <b>2008</b> , 689, L21-L24	4.7	60
50	Difference image analysis: extension to a spatially varying photometric scale factor and other considerations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 2275-2289	4.3	57
49	OGLE-2012-BLG-0563Lb: A SATURN-MASS PLANET AROUND AN M DWARF WITH THE MASS CONSTRAINED BY SUBARU AO IMAGING. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 74	4.7	56
48	MOA 2010-BLG-477Lb: CONSTRAINING THE MASS OF A MICROLENSING PLANET FROM MICROLENSING PARALLAX, ORBITAL MOTION, AND DETECTION OF BLENDED LIGHT. <i>Astrophysical Journal</i> , <b>2012</b> , 754, 73	4.7	51
47	A MONITORING CAMPAIGN FOR LUHMAN 16AB. I. DETECTION OF RESOLVED NEAR-INFRARED SPECTROSCOPIC VARIABILITY. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 48	4.7	43
46	OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary. <i>Astronomical Journal</i> , <b>2018</b> , 155, 40	4.9	43
45	OGLE-2011-BLG-0265Lb: A JOVIAN MICROLENSING PLANET ORBITING AN M DWARF. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 33	4.7	39

44	pyLIMA: An Open-source Package for Microlensing Modeling. I. Presentation of the Software and Analysis of Single-lens Models. <i>Astronomical Journal</i> , <b>2017</b> , 154, 203	4.9	39
43	THE LICK AGN MONITORING PROJECT: PHOTOMETRIC LIGHT CURVES AND OPTICAL VARIABILITY CHARACTERISTICS. <i>Astrophysical Journal, Supplement Series</i> , <b>2009</b> , 185, 156-170	8	39
42	MASS MEASUREMENTS OF ISOLATED OBJECTS FROM SPACE-BASED MICROLENSING. <i>Astrophysical Journal</i> , <b>2016</b> , 825, 60	4.7	35
41	THE SPITZER MICROLENSING PROGRAM AS A PROBE FOR GLOBULAR CLUSTER PLANETS: ANALYSIS OF OGLE-2015-BLG-0448. <i>Astrophysical Journal</i> , <b>2016</b> , 823, 63	4.7	33
40	SPITZERMICROLENS MEASUREMENT OF A MASSIVE REMNANT IN A WELL-SEPARATED BINARY. <i>Astrophysical Journal</i> , <b>2015</b> , 814, 111	4.7	32
39	A REVERBERATION-BASED BLACK HOLE MASS FOR MCG-06-30-15. <i>Astrophysical Journal</i> , <b>2016</b> , 830, 136	4.7	30
38	A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 552, A70	5.1	27
37	DISCOVERY OF A GAS GIANT PLANET IN MICROLENSING EVENT OGLE-2014-BLG-1760. <i>Astronomical Journal</i> , <b>2016</b> , 152, 140	4.9	25
36	OGLE-2015-BLG-0479LA,B: BINARY GRAVITATIONAL MICROLENS CHARACTERIZED BY SIMULTANEOUS GROUND-BASED AND SPACE-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 53	4.7	19
35	Faint-source-star planetary microlensing: the discovery of the cold gas-giant planet OGLE-2014-BLG-0676Lb. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 2710-2717	4.3	19
34	THE FIRST SIMULTANEOUS MICROLENSING OBSERVATIONS BY TWO SPACE TELESCOPES:SPITZERANDSWIFTRVEAL A BROWN DWARF IN EVENT OGLE-2015-BLG-1319. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 183	4.7	18
33	OGLE-2008-BLG-510: first automated real-time detection of a weak microlensing anomaly - brown dwarf or stellar binary??. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 424, 902-918	4.3	18
32	MOA-2010-BLG-311: A PLANETARY CANDIDATE BELOW THE THRESHOLD OF RELIABLE DETECTION. <i>Astrophysical Journal</i> , <b>2013</b> , 769, 77	4.7	15
31	A brown dwarf orbiting an M-dwarf: MOA2009BLG411L. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 547, A55	5.1	15
30	A census of variability in globular cluster M 68 (NGC 4590). <i>Astronomy and Astrophysics</i> , <b>2015</b> , 578, A128	5.1	14
29	CANDIDATE GRAVITATIONAL MICROLENSING EVENTS FOR FUTURE DIRECT LENS IMAGING. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 71	4.7	13
28	A POSSIBLE BINARY SYSTEM OF A STELLAR REMNANT IN THE HIGH-MAGNIFICATION GRAVITATIONAL MICROLENSING EVENT OGLE-2007-BLG-514. <i>Astrophysical Journal</i> , <b>2012</b> , 752, 82	4.7	13
27	OGLE-LMC-ECL-11893: THE DISCOVERY OF A LONG-PERIOD ECLIPSING BINARY WITH A CIRCUMSTELLAR DISK. <i>Astrophysical Journal</i> , <b>2014</b> , 788, 41	4.7	12

26	Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. <i>Astronomical Journal</i> , <b>2019</b> , 157, 106	4.9	11
25	Full orbital solution for the binary system in the northern Galactic disc microlensing event Gaia16aye. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 633, A98	5.1	11
24	RED NOISE VERSUS PLANETARY INTERPRETATIONS IN THE MICROLENSING EVENT OGLE-2013-BLG-446. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 136	4.7	11
23	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 258, 1	8	9
22	Spitzer Microlensing Parallax Reveals Two Isolated Stars in the Galactic Bulge. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 3	4.7	8
21	OGLE-2017-BLG-0406: Spitzer Microlens Parallax Reveals Saturn-mass Planet Orbiting M-dwarf Host in the Inner Galactic Disk. <i>Astronomical Journal</i> , <b>2020</b> , 160, 74	4.9	8
20	Ground-based Parallax Confirmed by Spitzer: Binary Microlensing Event MOA-2015-BLG-020. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 129	4.7	7
19	Astrophysics with New Horizons: Making the Most of a Generational Opportunity. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2018</b> , 130, 115001	5	7
18	RoboTAP: Target priorities for robotic microlensing observations. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A55	5.1	7
17	First Assessment of the Binary Lens OGLE-2015-BLG-0232. <i>Astrophysical Journal</i> , <b>2019</b> , 870, 11	4.7	6
16	Measuring the Microlensing Parallax from Various Space Observatories. <i>Astronomical Journal</i> , <b>2018</b> , 155, 191	4.9	6
15	EXTENDED BASELINE PHOTOMETRY OF RAPIDLY CHANGING WEATHER PATTERNS ON THE BROWN DWARF BINARY LUHMAN-16. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 161	4.7	6
14	Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , <b>2020</b> , 4, 13	0.8	6
13	OGLE-2019-BLG-0960 Lb: the Smallest Microlensing Planet. <i>Astronomical Journal</i> , <b>2021</b> , 162, 180	4.9	5
12	Robotic Reverberation Mapping of the Southern Seyfert NGC 3783. <i>Astrophysical Journal</i> , <b>2021</b> , 906, 50	4.7	5
11	OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5608-5632	4.3	4
10	ROME/REA: A Gravitational Microlensing Search for Exoplanets Beyond the Snow Line on a Global Network of Robotic Telescopes. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 124401 <sup>5</sup>		4
9	Reconciling the Predictions of Microlensing Analysis with Radial Velocity Measurements for OGLE-2011-BLG-0417. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 162	4.7	4

8	OGLE-2018-BLG-0022: A Nearby M-dwarf Binary. <i>Astronomical Journal</i> , <b>2019</b> , 157, 215	4.9	3
7	Impact of Rubin Observatory LSST Template Acquisition Strategies on Early Science from the Transients and Variable Stars Science Collaboration: Non-time-critical Science Cases. <i>Research Notes of the AAS</i> , <b>2020</b> , 4, 40	0.8	3
6	Impact of Rubin Observatory LSST Template Acquisition Strategies on Early Science from the Transients and Variable Stars Science Collaboration: Time-critical Science Cases. <i>Research Notes of the AAS</i> , <b>2020</b> , 4, 41	0.8	2
5	A Detailed View of the Broad-line Region in NGC 3783 from Velocity-resolved Reverberation Mapping. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 112	4.7	1
4	OGLE-2018-BLG-1185b: A Low-mass Microlensing Planet Orbiting a Low-mass Dwarf. <i>Astronomical Journal</i> , <b>2021</b> , 162, 77	4.9	1
3	Classifying High-cadence Microlensing Light Curves. I. Defining Features. <i>Astronomical Journal</i> , <b>2021</b> , 161, 132	4.9	1
2	Studying Microlensing Events from New Horizons. <i>Astronomical Journal</i> , <b>2019</b> , 158, 110	4.9	0
1	Challenges in Timeseries Analysis from Microlensing. <i>Proceedings of the International Astronomical Union</i> , <b>2016</b> , 12, 253-258	0.1	