

# Sohrab Rahvar

## List of Publications by Year in descending order

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156  
papers

4,771  
citations

136950

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	FREQUENCY OF SOLAR-LIKE SYSTEMS AND OF ICE AND GAS GIANTS BEYOND THE SNOW LINE FROM HIGH-MAGNIFICATION MICROLENSING EVENTS IN 2005-2008. <i>Astrophysical Journal</i> , 2010, 720, 1073-1089.	4.5	296
2	Multifractal detrended fluctuation analysis of sunspot time series. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P02003-P02003.	2.3	205
3	High-precision photometry by telescope defocusing - I. The transiting planetary system WASP-5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 1023-1031.	4.4	192
4	The MOG weak field approximation and observational test of galaxy rotation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1439-1451.	4.4	143
5	MOA-2009-BLG-387Lb: a massive planet orbiting an M dwarf. <i>Astronomy and Astrophysics</i> , 2011, 529, A102.	5.1	131
6	DISCOVERY AND MASS MEASUREMENTS OF A COLD, 10 EARTH MASS PLANET AND ITS HOST STAR. <i>Astrophysical Journal</i> , 2011, 741, 22.	4.5	117
7	PATHWAY TO THE GALACTIC DISTRIBUTION OF PLANETS: COMBINED SPITZER AND GROUND-BASED MICROLENS PARALLAX MEASUREMENTS OF 21 SINGLE-LENS EVENTS. <i>Astrophysical Journal</i> , 2015, 804, 20.	4.5	104
8	The MOG weak field approximation – II. Observational test of Chandra X-ray clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3724-3732.	4.4	102
9	PHYSICAL PROPERTIES OF THE 0.94-DAY PERIOD TRANSITING PLANETARY SYSTEM WASP-18. <i>Astrophysical Journal</i> , 2009, 707, 167-172.	4.5	98
10	SPITZER PARALLAX OF OGLE-2015-BLG-0966: A COLD NEPTUNE IN THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2016, 819, 93.	4.5	95
11	Physical properties, transmission and emission spectra of the WASP-19 planetary system from multi-colour photometry.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2-18.	4.4	90
12	High-precision photometry by telescope defocussing - II. The transiting planetary system WASP-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 287-294.	4.4	88
13	Realisation of a fully deterministic microlensing observing strategy for inferring planet populations. <i>Astronomische Nachrichten</i> , 2010, 331, 671-691.	1.2	87
14	Campaign 9 of the K2 Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 124401.	3.1	79
15	High-precision photometry by telescope defocussing – VI. WASP-24, WASP-25 and WASP-26.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 776-789.	4.4	73
16	Transits and starspots in the WASP-6 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1760-1769.	4.4	71
17	High-precision photometry by telescope defocusing – VII. The ultrashort period planet WASP-103.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 711-721.	4.4	66
18	High-precision photometry by telescope defocusing - III. The transiting planetary system WASP-2.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1680-1688.	4.4	65

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19	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> , 2012, 754, 73.	4.5	64
20	Orbital alignment and star-spot properties in the WASP-52 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 843-857.	4.4	64
21	High-precision photometry by telescope defocusing - IV. Confirmation of the huge radius of WASP-17. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1338-1348.	4.4	61
22	A SUB-SATURN MASS PLANET, MOA-2009-BLG-319Lb. <i>Astrophysical Journal</i> , 2011, 728, 120.	4.5	58
23	The transiting system GJ1214: high-precision defocused transit observations and a search for evidence of transit timing variation. <i>Astronomy and Astrophysics</i> , 2013, 549, A10.	5.1	58
24	MICROLENSING DISCOVERY OF A POPULATION OF VERY TIGHT, VERY LOW MASS BINARY BROWN DWARFS. <i>Astrophysical Journal</i> , 2013, 768, 129.	4.5	57
25	$f(R)$ gravity: From the Pioneer anomaly to cosmic acceleration. <i>Physical Review D</i> , 2008, 77, .	4.7	56
26	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. <i>Astrophysical Journal</i> , 2013, 763, 67.	4.5	54
27	OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary. <i>Astronomical Journal</i> , 2018, 155, 40.	4.7	53
28	Modified gravity with $f(R)=R^2\sim R^0$ . <i>Physical Review D</i> , 2007, 75, .	4.7	52
29	Observational tests of nonlocal gravity: Galaxy rotation curves and clusters of galaxies. <i>Physical Review D</i> , 2014, 89, .	4.7	46
30	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. <i>Astrophysical Journal</i> , 2013, 779, 91.	4.5	45
31	OGLE-2011-BLG-0265Lb: A JOVIAN MICROLENSING PLANET ORBITING AN M DWARF. <i>Astrophysical Journal</i> , 2015, 804, 33.	4.5	45
32	Gravitational microlensing I: A unique astrophysical tool. <i>International Journal of Modern Physics D</i> , 2015, 24, 1530020.	2.1	45
33	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2016, 589, A58.	5.1	45
34	High-precision photometry by telescope defocusing - V. WASP-15 and WASP-16. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1300-1308.	4.4	44
35	Consistency of $f(R)=R^2\sim R^0$ gravity with cosmological observations in the Palatini formalism. <i>Physical Review D</i> , 2007, 76, .	4.7	42
36	A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. <i>Astrophysical Journal</i> , 2014, 782, 48.	4.5	42

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37	High-precision photometry by telescope defocussing â€“ VIII. WASP-22, WASP-41, WASP-42 and WASP-55. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 4205-4217.	4.4	42
38	Physical properties and transmission spectrum of the WASP-80 planetary system from multi-colour photometry. <i>Astronomy and Astrophysics</i> , 2014, 562, A126.	5.1	40
39	MICROLENSING BINARIES WITH CANDIDATE BROWN DWARF COMPANIONS. <i>Astrophysical Journal</i> , 2012, 760, 116.	4.5	39
40	THE SPITZER MICROLENSING PROGRAM AS A PROBE FOR GLOBULAR CLUSTER PLANETS: ANALYSIS OF OGLE-2015-BLG-0448. <i>Astrophysical Journal</i> , 2016, 823, 63.	4.5	39
41	MASS MEASUREMENTS OF ISOLATED OBJECTS FROM SPACE-BASED MICROLENSING. <i>Astrophysical Journal</i> , 2016, 825, 60.	4.5	39
42	Physical properties of the planetary systems WASP-45 and WASP-46 from simultaneous multiband photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 990-1002.	4.4	37
43	OGLE-2009-BLG-092/MOA-2009-BLG-137: A DRAMATIC REPEATING EVENT WITH THE SECOND PERTURBATION PREDICTED BY REAL-TIME ANALYSIS. <i>Astrophysical Journal</i> , 2010, 723, 81-88.	4.5	36
44	The EROS2 search for microlensing events towards the spiral arms: the complete seven season results. <i>Astronomy and Astrophysics</i> , 2009, 500, 1027-1044.	5.1	32
45	Larger and faster: revised properties and a shorter orbital period for the WASP-57 planetary system from a pro-am collaboration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3094-3107.	4.4	32
46	Photometric, astrometric and polarimetric observations of gravitational microlensing events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2579-2586.	4.4	31
47	Illuminating hot Jupiters in caustic crossing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 373-380.	4.4	30
48	A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. <i>Astronomy and Astrophysics</i> , 2013, 552, A70.	5.1	30
49	Studying wave optics in the light curves of exoplanet microlensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1264-1274.	4.4	28
50	Transit timing variations in the WASP-4 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4230-4236.	4.4	28
51	CHARACTERIZING LENSES AND LENSED STARS OF HIGH-MAGNIFICATION SINGLE-LENS GRAVITATIONAL MICROLENSING EVENTS WITH LENSES PASSING OVER SOURCE STARS. <i>Astrophysical Journal</i> , 2012, 751, 41.	4.5	27
52	Physical properties of the WASP-67 planetary system from multi-colour photometry. <i>Astronomy and Astrophysics</i> , 2014, 568, A127.	5.1	27
53	Polarimetric microlensing of circumstellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4429-4439.	4.4	27
54	The advantages of using a Lucky Imaging camera for observations of microlensing events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3248-3259.	4.4	27

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55	Power-law parametrized quintessence model. <i>Physical Review D</i> , 2007, 75, .	4.7	26
56	GRAVITATIONAL MICROLENSING EVENTS AS A TARGET FOR THE SETI PROJECT. <i>Astrophysical Journal</i> , 2016, 828, 19.	4.5	26
57	Understanding EROS2 observations toward the spiral arms within a classical Galactic model framework. <i>Astronomy and Astrophysics</i> , 2017, 604, A124.	5.1	26
58	CHARACTERIZING LOW-MASS BINARIES FROM OBSERVATION OF LONG-TIMESCALE CAUSTIC-CROSSING GRAVITATIONAL MICROLENSING EVENTS. <i>Astrophysical Journal</i> , 2012, 755, 91.	4.5	25
59	Long-range correlation in cosmic microwave background radiation. <i>Physical Review E</i> , 2011, 84, 021103.	2.1	24
60	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> , 2017, 466, 2710-2717.	4.4	24
61	A detailed census of variable stars in the globular cluster NGC 6333 (M9) from CCD differential photometry~.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1220-1238.	4.4	23
62	OGLE-2015-BLG-0479LA,B: BINARY GRAVITATIONAL MICROLENS CHARACTERIZED BY SIMULTANEOUS GROUND-BASED AND SPACE-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 828, 53.	4.5	23
63	Gravitational microlensing in NUT space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 338, 926-930.	4.4	22
64	Characteristic angular scales in cosmic microwave background radiation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P11008-P11008.	2.3	22
65	Observational Constraints with Recent Data on the DGP Modified Gravity. <i>International Journal of Theoretical Physics</i> , 2009, 48, 1203-1230.	1.2	22
66	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> , 2012, 424, 902-918.	4.4	21
67	A census of variability in globular cluster Mâ€™68 (NGC 4590). <i>Astronomy and Astrophysics</i> , 2015, 578, A128.	5.1	21
68	Eclipsing negative-parity image of gravitational microlensing by a giant-lens star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2875-2881.	4.4	21
69	THE FIRST SIMULTANEOUS MICROLENSING OBSERVATIONS BY TWO SPACE TELESCOPES: SPITZER AND SWIFT REVEAL A BROWN DWARF IN EVENT OGLE-2015-BLG-1319. <i>Astrophysical Journal</i> , 2016, 831, 183.	4.5	21
70	Propagation of electromagnetic waves in MOG: gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4514-4518.	4.4	21
71	MOG cosmology without dark matter and the cosmological constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3387-3399.	4.4	21
72	A NEW TYPE OF AMBIGUITY IN THE PLANET AND BINARY INTERPRETATIONS OF CENTRAL PERTURBATIONS OF HIGH-MAGNIFICATION GRAVITATIONAL MICROLENSING EVENTS. <i>Astrophysical Journal</i> , 2012, 756, 48.	4.5	20

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73	Applying MOG to Lensing: Einstein Rings, Abell 520 and the Bullet Cluster. <i>Galaxies</i> , 2018, 6, 43.	3.0	20
74	Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. <i>Astronomical Journal</i> , 2019, 157, 106.	4.7	20
75	Observational constraints on a variable dark energy model. <i>Physical Review D</i> , 2006, 73, .	4.7	19
76	A much lower density for the transiting extrasolar planet WASP-7. <i>Astronomy and Astrophysics</i> , 2011, 527, A8.	5.1	19
77	SPITZER OBSERVATIONS OF OGLE-2015-BLG-1212 REVEAL A NEW PATH TOWARD BREAKING STRONG MICROLENS DEGENERACIES. <i>Astrophysical Journal</i> , 2016, 820, 79.	4.5	19
78	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2018, 610, A20.	5.1	19
79	Planetary microlensing signals from the orbital motion of the source star around the common barycentre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 1193-1204.	4.4	18
80	Inverse problem: Reconstruction of the modified gravity action in the Palatini formalism by supernova type Ia data. <i>Physical Review D</i> , 2009, 80, .	4.7	18
81	Possibility of Magnetic Mass Detection by the Next Generation of Microlensing Experiments. <i>Astrophysical Journal</i> , 2004, 610, 673-678.	4.5	17
82	AN INVERSE $f(R)$ GRAVITATION FOR COSMIC SPEED UP, AND DARK ENERGY EQUIVALENT. <i>Modern Physics Letters A</i> , 2008, 23, 1929-1937.	1.2	17
83	MOA-2010-BLG-311: A PLANETARY CANDIDATE BELOW THE THRESHOLD OF RELIABLE DETECTION. <i>Astrophysical Journal</i> , 2013, 769, 77.	4.5	17
84	Estimating the parameters of globular cluster M <sub>30</sub> (NGC 7099) from time-series photometry. <i>Astronomy and Astrophysics</i> , 2013, 555, A36.	5.1	17
85	Searching for variable stars in the cores of five metal-rich globular clusters using EMCCD observations. <i>Astronomy and Astrophysics</i> , 2015, 573, A103.	5.1	17
86	Structure formation in $f(R)$ gravity: a distinguishing probe between the dark energy and modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 008-008.	5.4	16
87	Compact object detection in self-lensing binary systems with a main-sequence star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 912-918.	4.4	16
88	A brown dwarf orbiting an M-dwarf: MOA-2009-BLG-411L. <i>Astronomy and Astrophysics</i> , 2012, 547, A55.	5.1	16
89	EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981. <i>Astronomy and Astrophysics</i> , 2013, 553, A111.	5.1	16
90	Physical properties and transmission spectrum of the WASP-74 planetary system from multiband photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5168-5179.	4.4	16

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91	Flux and color variations of the quadruply imaged quasar HE 0435-1223. <i>Astronomy and Astrophysics</i> , 2011, 528, A42.	5.1	15
92	SPHERICAL COLLAPSE IN MODIFIED NEWTONIAN DYNAMICS. <i>Astrophysical Journal</i> , 2009, 694, 1220-1227.	4.5	14
93	CONSISTENCY CONDITION OF SPHERICALLY SYMMETRIC SOLUTIONS IN $f(R)$ GRAVITY. <i>Modern Physics Letters A</i> , 2009, 24, 305-309.	1.2	14
94	OGLE-2008-BLG-290: an accurate measurement of the limb darkening of a galactic bulge K Giant spatially resolved by microlensing. <i>Astronomy and Astrophysics</i> , 2010, 518, A51.	5.1	14
95	MICROLENSING BINARIES DISCOVERED THROUGH HIGH-MAGNIFICATION CHANNEL. <i>Astrophysical Journal</i> , 2012, 746, 127.	4.5	14
96	MOA-2010-BLG-523: "FAILED PLANET" RS CVn STAR. <i>Astrophysical Journal</i> , 2013, 763, 141.	4.5	14
97	Observational tests of a two parameter power-law class modified gravity in Palatini formalism. <i>Physical Review D</i> , 2009, 80, .	4.7	13
98	MINDSTEP differential photometry of the gravitationally lensed quasars WFI-2033-4723 and HE-0047-1756; microlensing and a new time delay. <i>Astronomy and Astrophysics</i> , 2017, 597, A49.	5.1	12
99	The Excursion set approach: Stratonovich approximation and Cholesky decomposition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5296-5300.	4.4	12
100	Detection of exoplanet as a binary source of microlensing events in WFIRST survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1581-1587.	4.4	12
101	Testing MOdified Gravity (MOG) theory and dark matter model in Milky Way using the local observables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3502-3511.	4.4	12
102	Study of a strategy for parallax microlensing detection towards the Magellanic Clouds. <i>Astronomy and Astrophysics</i> , 2003, 412, 81-90.	5.1	12
103	RED NOISE VERSUS PLANETARY INTERPRETATIONS IN THE MICROLENSING EVENT OGLE-2013-BLG-446. <i>Astrophysical Journal</i> , 2015, 812, 136.	4.5	11
104	OGLE-2017-BLG-1186: first application of asteroseismology and Gaussian processes to microlensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3308-3323.	4.4	11
105	Imprints of Gravitational Millilensing on the Light Curve of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2021, 922, 77.	4.5	11
106	Transient weak lensing by cosmological dark matter microhaloes. <i>Physical Review D</i> , 2014, 89, .	4.7	10
107	Rotation periods and astrometric motions of the Luhman-16AB brown dwarfs by high-resolution lucky-imaging monitoring. <i>Astronomy and Astrophysics</i> , 2015, 584, A104.	5.1	10
108	The Magellanic Stream in Modified Newtonian Dynamics. <i>Astrophysical Journal</i> , 2006, 652, 354-361.	4.5	9

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109	Searching for Galactic hidden gas through interstellar scintillation: results from a test with the NTT-SOFI detector. <i>Astronomy and Astrophysics</i> , 2011, 525, A108.	5.1	9
110	Constraint on the mass of fuzzy dark matter from the rotation curve of the Milky Way. <i>Physical Review D</i> , 2020, 101, .	4.7	9
111	Statistical interpretation of Large Magellanic Cloud microlensing candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 213-219.	4.4	8
112	A PARAMETRIZED VARIABLE DARK ENERGY MODEL: STRUCTURE FORMATION AND OBSERVATIONAL CONSTRAINTS. <i>International Journal of Modern Physics D</i> , 2006, 15, 1455-1472.	2.1	8
113	Large-scale changes of the cloud coverage in the $\mu$ Indi Ba and Bb system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3881-3899.	4.4	8
114	Possibility of primordial black holes as the source of gravitational wave events in the advanced LIGO detector. <i>Physical Review D</i> , 2021, 103, .	4.7	8
115	Two component baryonic "dark matter structure formation in top-hat model. <i>New Astronomy</i> , 2009, 14, 398-405.	1.8	7
116	Observational Constraints on the Modified Gravity Model (MOG) Proposed by Moffat: Using the Magellanic System. <i>International Journal of Theoretical Physics</i> , 2010, 49, 1004-1017.	1.2	7
117	Exact enumeration approach to first-passage time distribution of non-Markov random walks. <i>Physical Review E</i> , 2019, 99, 062101.	2.1	7
118	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> , 2019, 484, 5608-5632.	4.4	7
119	GENERAL RELATIVISTIC RELATION BETWEEN DENSITY CONTRAST AND PECULIAR VELOCITY. <i>International Journal of Modern Physics D</i> , 2002, 11, 321-336.	2.1	6
120	CHAOTIC INFLATION WITH TIME-VARIABLE SPACE DIMENSIONS. <i>International Journal of Modern Physics D</i> , 2002, 11, 511-526.	2.1	6
121	Microlensing by halo MACHOs with a spatially varying mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 1127-1132.	4.4	6
122	Constraining galactic models through parallax and astrometry of microlensing events. <i>Astronomy and Astrophysics</i> , 2005, 438, 153-157.	5.1	6
123	Flux and color variations of the doubly imaged quasar UM673. <i>Astronomy and Astrophysics</i> , 2013, 551, A104.	5.1	6
124	Exploring the crowded central region of ten Galactic globular clusters using EMCCDs. <i>Astronomy and Astrophysics</i> , 2016, 588, A128.	5.1	6
125	OGLE-2017-BLG-0329L: A Microlensing Binary Characterized with Dramatically Enhanced Precision Using Data from Space-based Observations. <i>Astrophysical Journal</i> , 2018, 859, 82.	4.5	6
126	Evolution of Spiral Galaxies in Nonlocal Gravity. <i>Astrophysical Journal</i> , 2019, 872, 6.	4.5	6



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127	The first observed stellar occultations by the irregular satellite Phoebe (Saturn IX) and improved rotational period. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 770-781.	4.4	6
128	Simulation of a strategy for the pixel lensing of M87 using the Hubble Space Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 124-131.	4.4	5
129	Simulation of optical interstellar scintillation. <i>Astronomy and Astrophysics</i> , 2013, 552, A93.	5.1	5
130	A template-free approach for waveform extraction of gravitational wave events. <i>Scientific Reports</i> , 2021, 11, 20507.	3.3	5
131	Magellanic Stream: A possible tool for studying dark halo model. <i>New Astronomy</i> , 2009, 14, 692-699.	1.8	4
132	Type I Shell Galaxies as a Test of Gravity Models. <i>Astrophysical Journal</i> , 2017, 848, 55.	4.5	4
133	Possibility of primordial black holes collision with Earth and the consequences of this collision. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 914-918.	4.4	4
134	Many new variable stars discovered in the core of the globular cluster NGC 6715 (M <sub>54</sub> ) with EMCCD observations. <i>Astronomy and Astrophysics</i> , 2016, 592, A120.	5.1	3
135	Cosmic initial conditions for a habitable universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3095-3102.	4.4	3
136	Gravitational grating. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 406-414.	4.4	3
137	Primordial black hole detection through diffractive microlensing. <i>Physical Review D</i> , 2018, 97, .	4.7	3
138	An analysis of binary microlensing event OGLE-2015-BLG-0060. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4603-4614.	4.4	3
139	Hamiltonian formalism for dynamics of particles in MOG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4601-4605.	4.4	3
140	A search for transit timing variations in the HATS-18 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3212-3223.	4.4	3
141	DENSITY CONTRAST-PECULIAR VELOCITY RELATION IN THE NEWTONIAN GAUGE. <i>International Journal of Modern Physics D</i> , 2003, 12, 79-88.	2.1	2
142	DYNAMICS OF INFLATIONARY COSMOLOGY IN TVSD MODEL. <i>Modern Physics Letters A</i> , 2005, 20, 2467-2485.	1.2	2
143	RESOLVING MICROLENSING EVENTS WITH TRIGGERED VLBI. <i>Astrophysical Journal</i> , 2016, 833, 169.	4.5	2
144	Close stellar encounters kicking planets out of habitable zone in various stellar environments. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150063.	2.1	2

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