

Sohrab Rahvar

List of Publications by Year in descending order

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156
papers

4,771
citations

136950

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163
all docs

163
docs citations

163
times ranked

2403
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-matching of OGLE III and GAIA catalogues: Investigation of dark-lens microlensing candidates. International Journal of Modern Physics D, 2022, 31, .	2.1	1
2	Hamiltonian formalism for dynamics of particles in MOG. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4601-4605.	4.4	3
3	A search for transit timing variations in the HATS-18 planetary system. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3212-3223.	4.4	3
4	Possibility of primordial black holes as the source of gravitational wave events in the advanced LIGO detector. Physical Review D, 2021, 103, .	4.7	8
5	Close stellar encounters kicking planets out of habitable zone in various stellar environments. International Journal of Modern Physics D, 2021, 30, 2150063.	2.1	2
6	MOG cosmology without dark matter and the cosmological constant. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3387-3399.	4.4	21
7	Possibility of primordial black holes collision with Earth and the consequences of this collision. Monthly Notices of the Royal Astronomical Society, 2021, 507, 914-918.	4.4	4
8	Phase Transition in Modified Newtonian Dynamics (MONDian) Self-Gravitating Systems. Entropy, 2021, 23, 1158.	2.2	0
9	Measuring stellar atmosphere parameters using follow-up polarimetric microlensing observations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3203-3214.	4.4	0
10	A template-free approach for waveform extraction of gravitational wave events. Scientific Reports, 2021, 11, 20507.	3.3	5
11	Imprints of Gravitational Millilensing on the Light Curve of Gamma-Ray Bursts. Astrophysical Journal, 2021, 922, 77.	4.5	11
12	Frequency-shift in the gravitational microlensing. Physical Review D, 2020, 101, .	4.7	0
13	Testing MOdified Gravity (MOG) theory and dark matter model in Milky Way using the local observables. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3502-3511.	4.4	12
14	Constraint on the mass of fuzzy dark matter from the rotation curve of the Milky Way. Physical Review D, 2020, 101, .	4.7	9
15	Large-scale changes of the cloud coverage in the μ Indi Ba and Bb system. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3881-3899.	4.4	8
16	Measuring limb darkening of stars in high-magnification microlensing events by the Finite Element Method. Monthly Notices of the Royal Astronomical Society, 2020, 494, 584-597.	4.4	1
17	The first observed stellar occultations by the irregular satellite Phoebe (Saturn IX) and improved rotational period. Monthly Notices of the Royal Astronomical Society, 2020, 492, 770-781.	4.4	6
18	An analysis of binary microlensing event OGLE-2015-BLG-0060. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4603-4614.	4.4	3

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19	Detection of exoplanet as a binary source of microlensing events in WFIRST survey. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1581-1587.	4.4	12
20	Transit timing variations in the WASP-4 planetary system. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4230-4236.	4.4	28
21	OGLE-2017-BLG-1186: first application of asteroseismology and Gaussian processes to microlensing. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3308-3323.	4.4	11
22	Exact enumeration approach to first-passage time distribution of non-Markov random walks. Physical Review E, 2019, 99, 062101.	2.1	7
23	OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5608-5632.	4.4	7
24	Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. Astronomical Journal, 2019, 157, 106.	4.7	20
25	Evolution of Spiral Galaxies in Nonlocal Gravity. Astrophysical Journal, 2019, 872, 6.	4.5	6
26	Physical properties and transmission spectrum of the WASP-74 planetary system from multiband photometry. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5168-5179.	4.4	16
27	Propagation of electromagnetic waves in MOG: gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4514-4518.	4.4	21
28	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). Astronomy and Astrophysics, 2018, 610, A20.	5.1	19
29	OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary. Astronomical Journal, 2018, 155, 40.	4.7	53
30	The Excursion set approach: Stratonovich approximation and Cholesky decomposition. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5296-5300.	4.4	12
31	Gravitational grating. Monthly Notices of the Royal Astronomical Society, 2018, 479, 406-414.	4.4	3
32	Primordial black hole detection through diffractive microlensing. Physical Review D, 2018, 97, .	4.7	3
33	Applying MOG to Lensing: Einstein Rings, Abell 520 and the Bullet Cluster. Galaxies, 2018, 6, 43.	3.0	20
34	OGLE-2017-BLG-0329L: A Microlensing Binary Characterized with Dramatically Enhanced Precision Using Data from Space-based Observations. Astrophysical Journal, 2018, 859, 82.	4.5	6
35	MiNDSTeP differential photometry of the gravitationally lensed quasars WFIâ€œ2033-4723 and HEâ€œ0047-1756: microlensing and a new time delay. Astronomy and Astrophysics, 2017, 597, A49.	5.1	12
36	Orbital alignment and star-spot properties in the WASP-52 planetary system. Monthly Notices of the Royal Astronomical Society, 2017, 465, 843-857.	4.4	64

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37	Understanding EROS2 observations toward the spiral arms within a classical Galactic model framework. <i>Astronomy and Astrophysics</i> , 2017, 604, A124.	5.1	26
38	Type I Shell Galaxies as a Test of Gravity Models. <i>Astrophysical Journal</i> , 2017, 848, 55.	4.5	4
39	Cosmic initial conditions for a habitable universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3095-3102.	4.4	3
40	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
41	Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry (Corrigendum). <i>Astronomy and Astrophysics</i> , 2016, 588, C2.	5.1	1
42	Many new variable stars discovered in the core of the globular cluster NGC 6715 (Mâ€‰%54) with EMCCD observations. <i>Astronomy and Astrophysics</i> , 2016, 592, A120.	5.1	3
43	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2016, 589, A58.	5.1	45
44	Exploring the crowded central region of ten Galactic globular clusters using EMCCDs. <i>Astronomy and Astrophysics</i> , 2016, 588, A128.	5.1	6
45	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
46	RESOLVING MICROLENSING EVENTS WITH TRIGGERED VLBI. <i>Astrophysical Journal</i> , 2016, 833, 169.	4.5	2
47	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
48	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
49	SPITZER PARALLAX OF OGLE-2015-BLG-0966: A COLD NEPTUNE IN THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2016, 819, 93.	4.5	95
50	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
51	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
52	GRAVITATIONAL MICROLENSING EVENTS AS A TARGET FOR THE SETI PROJECT. <i>Astrophysical Journal</i> , 2016, 828, 19.	4.5	26
53	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
54	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

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55	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
56	MASS MEASUREMENTS OF ISOLATED OBJECTS FROM SPACE-BASED MICROLENSING. <i>Astrophysical Journal</i> , 2016, 825, 60.	4.5	39
57	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
58	RED NOISE VERSUS PLANETARY INTERPRETATIONS IN THE MICROLENSING EVENT OGLE-2013-BLG-446. <i>Astrophysical Journal</i> , 2015, 812, 136.	4.5	11
59	Rotation periods and astrometric motions of the Luhmanâ€™16AB brown dwarfs by high-resolution lucky-imaging monitoring. <i>Astronomy and Astrophysics</i> , 2015, 584, A104.	5.1	10
60	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
61	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
62	A census of variability in globular cluster Mâ€™68 (NGC 4590). <i>Astronomy and Astrophysics</i> , 2015, 578, A128.	5.1	21
63	High-precision photometry by telescope defocusing â€“ VII. The ultrashort period planet WASP-103â€™.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 711-721.	4.4	66
64	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
65	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
66	OGLE-2011-BLG-0265Lb: A JOVIAN MICROLENSING PLANET ORBITING AN M DWARF. <i>Astrophysical Journal</i> , 2015, 804, 33.	4.5	45
67	Polarimetric microlensing of circumstellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4429-4439.	4.4	27
68	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
69	Gravitational microlensing I: A unique astrophysical tool. <i>International Journal of Modern Physics D</i> , 2015, 24, 1530020.	2.1	45
70	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
71	Physical properties of the WASP-67 planetary system from multi-colour photometry. <i>Astronomy and Astrophysics</i> , 2014, 568, A127.	5.1	27
72	The MOG weak field approximation â€“ II. Observational test of Chandra X-ray clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3724-3732.	4.4	102

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73	High-precision photometry by telescope defocussing â€œ VI. WASP-24, WASP-25 and WASP-26â€¦ Monthly Notices of the Royal Astronomical Society, 2014, 444, 776-789.	4.4	73
74	Transient weak lensing by cosmological dark matter microhaloes. Physical Review D, 2014, 89, .	4.7	10
75	Observational tests of nonlocal gravity: Galaxy rotation curves and clusters of galaxies. Physical Review D, 2014, 89, .	4.7	46
76	A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. Astrophysical Journal, 2014, 782, 48.	4.5	42
77	MICROLENSING DISCOVERY OF A POPULATION OF VERY TIGHT, VERY LOW MASS BINARY BROWN DWARFS. Astrophysical Journal, 2013, 768, 129.	4.5	57
78	The MOG weak field approximation and observational test of galaxy rotation curves. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1439-1451.	4.4	143
79	A detailed census of variable stars in the globular cluster NGC 6333 (M9) from CCD differential photometryâ€¦ Monthly Notices of the Royal Astronomical Society, 2013, 434, 1220-1238.	4.4	23
80	Physical properties, transmission and emission spectra of the WASP-19 planetary system from multi-colour photometryâ€¦ Monthly Notices of the Royal Astronomical Society, 2013, 436, 2-18.	4.4	90
81	High-precision photometry by telescope defocusing â€œ V. WASP-15 and WASP-16â€¦ Monthly Notices of the Royal Astronomical Society, 2013, 434, 1300-1308.	4.4	44
82	MOA-2010-BLG-311: A PLANETARY CANDIDATE BELOW THE THRESHOLD OF RELIABLE DETECTION. Astrophysical Journal, 2013, 769, 77.	4.5	17
83	Studying wave optics in the light curves of exoplanet microlensing. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1264-1274.	4.4	28
84	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. Astrophysical Journal, 2013, 779, 91.	4.5	45
85	MOA-2010-BLG-523: â€œFAILED PLANETâ€œ= RS CVn STAR. Astrophysical Journal, 2013, 763, 141.	4.5	14
86	Estimating the parameters of globular cluster Mâ€œ30 (NGC 7099) from time-series photometry. Astronomy and Astrophysics, 2013, 555, A36.	5.1	17
87	Simulation of optical interstellar scintillation. Astronomy and Astrophysics, 2013, 552, A93.	5.1	5
88	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. Astrophysical Journal, 2013, 763, 67.	4.5	54
89	The transiting system GJ1214: high-precision defocused transit observations and a search for evidence of transit timing variation. Astronomy and Astrophysics, 2013, 549, A10.	5.1	58
90	A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. Astronomy and Astrophysics, 2013, 552, A70.	5.1	30

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91	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
92	Flux and color variations of the doubly imaged quasar UM673. <i>Astronomy and Astrophysics</i> , 2013, 551, A104.	5.1	6
93	CHARACTERIZING LOW-MASS BINARIES FROM OBSERVATION OF LONG-TIMESCALE CAUSTIC-CROSSING GRAVITATIONAL MICROLENSING EVENTS. <i>Astrophysical Journal</i> , 2012, 755, 91.	4.5	25
94	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
95	A brown dwarf orbiting an M-dwarf: MOA-2009-BLG-411L. <i>Astronomy and Astrophysics</i> , 2012, 547, A55.	5.1	16
96	MICROLENSING BINARIES DISCOVERED THROUGH HIGH-MAGNIFICATION CHANNEL. <i>Astrophysical Journal</i> , 2012, 746, 127.	4.5	14
97	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
98	MICROLENSING BINARIES WITH CANDIDATE BROWN DWARF COMPANIONS. <i>Astrophysical Journal</i> , 2012, 760, 116.	4.5	39
99	High-precision photometry by telescope defocusing - IV. Confirmation of the huge radius of WASP-17b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1338-1348.	4.4	61
100	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
101	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
102	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
103	Flux and color variations of the quadruply imaged quasar HE 0435-1223. <i>Astronomy and Astrophysics</i> , 2011, 528, A42.	5.1	15
104	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
105	Search for Turbulent Gas through Interstellar Scintillation. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 376-378.	0.0	0
106	A SUB-SATURN MASS PLANET, MOA-2009-BLG-319Lb. <i>Astrophysical Journal</i> , 2011, 728, 120.	4.5	58
107	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
108	A much lower density for the transiting extrasolar planet WASP-7. <i>Astronomy and Astrophysics</i> , 2011, 527, A8.	5.1	19

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109	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
110	Long-range correlation in cosmic microwave background radiation. <i>Physical Review E</i> , 2011, 84, 021103.	2.1	24
111	MOA-2009-BLG-387Lb: a massive planet orbiting an M dwarf. <i>Astronomy and Astrophysics</i> , 2011, 529, A102.	5.1	131
112	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
113	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
114	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
115	Realisation of a fully deterministic microlensing observing strategy for inferring planet populations. <i>Astronomische Nachrichten</i> , 2010, 331, 671-691.	1.2	87
116	High-precision photometry by telescope defocusing - III. The transiting planetary system WASP-2â.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1680-1688.	4.4	65
117	Illuminating hot Jupiters in caustic crossing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 373-380.	4.4	30
118	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
119	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
120	PHYSICAL PROPERTIES OF THE 0.94-DAY PERIOD TRANSITING PLANETARY SYSTEM WASP-18. <i>Astrophysical Journal</i> , 2009, 707, 167-172.	4.5	98
121	SPHERICAL COLLAPSE IN MODIFIED NEWTONIAN DYNAMICS. <i>Astrophysical Journal</i> , 2009, 694, 1220-1227.	4.5	14
122	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
123	CONSISTENCY CONDITION OF SPHERICALLY SYMMETRIC SOLUTIONS IN $f(R)$ GRAVITY. <i>Modern Physics Letters A</i> , 2009, 24, 305-309.	1.2	14
124	Observational Constraints with Recent Data on the DGP Modified Gravity. <i>International Journal of Theoretical Physics</i> , 2009, 48, 1203-1230.	1.2	22
125	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
126	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

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127	High-precision photometry by telescope defocussing - II. The transiting planetary system WASP-4. Monthly Notices of the Royal Astronomical Society, 2009, 399, 287-294.	4.4	88
128	Two component baryonic dark matter structure formation in top-hat model. New Astronomy, 2009, 14, 398-405.	1.8	7
129	Magellanic Stream: A possible tool for studying dark halo model. New Astronomy, 2009, 14, 692-699.	1.8	4
130	Observational tests of a two parameter power-law class modified gravity in Palatini formalism. Physical Review D, 2009, 80, .	4.7	13
131	Inverse problem: Reconstruction of the modified gravity action in the Palatini formalism by supernova type Ia data. Physical Review D, 2009, 80, .	4.7	18
132	$f(R)$ gravity: From the Pioneer anomaly to cosmic acceleration. Physical Review D, 2008, 77, .	4.7	56
133	AN INVERSE $f(R)$ GRAVITATION FOR COSMIC SPEED UP, AND DARK ENERGY EQUIVALENT. Modern Physics Letters A, 2008, 23, 1929-1937.	1.2	17
134	Consistency of $f(R)=R^2+R^0$ gravity with cosmological observations in the Palatini formalism. Physical Review D, 2007, 76, .	4.7	42
135	Modified gravity with $f(R)=R^2+R^0$. Physical Review D, 2007, 75, .	4.7	52
136	Power-law parametrized quintessence model. Physical Review D, 2007, 75, .	4.7	26
137	Multifractal detrended fluctuation analysis of sunspot time series. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P02003-P02003.	2.3	205
138	Observational constraints on a variable dark energy model. Physical Review D, 2006, 73, .	4.7	19
139	Characteristic angular scales in cosmic microwave background radiation. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11008-P11008.	2.3	22
140	Detection of IMBHs from microlensing in globular clusters. Proceedings of the International Astronomical Union, 2006, 2, 439-440.	0.0	0
141	The Magellanic Stream in Modified Newtonian Dynamics. Astrophysical Journal, 2006, 652, 354-361.	4.5	9
142	A PARAMETRIZED VARIABLE DARK ENERGY MODEL: STRUCTURE FORMATION AND OBSERVATIONAL CONSTRAINTS. International Journal of Modern Physics D, 2006, 15, 1455-1472.	2.1	8
143	Microlensing by halo MACHOs with a spatially varying mass function. Monthly Notices of the Royal Astronomical Society, 2005, 356, 1127-1132.	4.4	6
144	Constraining galactic models through parallax and astrometry of microlensing events. Astronomy and Astrophysics, 2005, 438, 153-157.	5.1	6

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145	DYNAMICS OF INFLATIONARY COSMOLOGY IN TVSD MODEL. Modern Physics Letters A, 2005, 20, 2467-2485.	1.2	2
146	GALACTIC MACHO BUDGET: PROBLEMS AND POSSIBLE SOLUTION WITH THE ABUNDANT BROWN DWARFS. , 2005, , .		0
147	Statistical interpretation of Large Magellanic Cloud microlensing candidates. Monthly Notices of the Royal Astronomical Society, 2004, 347, 213-219.	4.4	8
148	Possibility of Magnetic Mass Detection by the Next Generation of Microlensing Experiments. Astrophysical Journal, 2004, 610, 673-678.	4.5	17
149	Spatially Varying Mass Function of MACHOs in the Galactic Halo and Interpretation of Microlensing Results. Proceedings of the International Astronomical Union, 2004, 2004, 351-356.	0.0	0
150	Gravitational microlensing in NUT space. Monthly Notices of the Royal Astronomical Society, 2003, 338, 926-930.	4.4	22
151	DENSITY CONTRAST-PECULIAR VELOCITY RELATION IN THE NEWTONIAN GAUGE. International Journal of Modern Physics D, 2003, 12, 79-88.	2.1	2
152	EROS/MACHO GRAVITATIONAL MICROLENSING EVENTS TOWARD LMC IN EVANS HALO MODEL. International Journal of Modern Physics D, 2003, 12, 45-61.	2.1	1
153	Study of a strategy for parallax microlensing detection towards the Magellanic Clouds. Astronomy and Astrophysics, 2003, 412, 81-90.	5.1	12
154	GENERAL RELATIVISTIC RELATION BETWEEN DENSITY CONTRAST AND PECULIAR VELOCITY. International Journal of Modern Physics D, 2002, 11, 321-336.	2.1	6
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