

# Savita Mathur

## List of Publications by Year in descending order

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258  
papers

23,418  
citations

7568

77  
h-index

8866

145  
g-index

262  
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262  
docs citations

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times ranked

10835  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.	7.7	1,877
2	THE MAN BEHIND THE CURTAIN: X-RAYS DRIVE THE UV THROUGH NIR VARIABILITY IN THE 2013 ACTIVE GALACTIC NUCLEUS OUTBURST IN NGC 2617. <i>Astrophysical Journal</i> , 2014, 788, 48.	4.5	1,277
3	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	4.7	1,065
4	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	3.7	912
5	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
6	Gravity modes as a way to distinguish between hydrogen- and helium-burning red giant stars. <i>Nature</i> , 2011, 471, 608-611.	27.8	465
7	REVISED STELLAR PROPERTIES OF <i>KEPLER</i> TARGETS FOR THE QUARTER 1-16 TRANSIT DETECTION RUN. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 2.	7.7	418
8	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
9	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
10	Spin down of the core rotation in red giants. <i>Astronomy and Astrophysics</i> , 2012, 548, A10.	5.1	319
11	Planetary Candidates Observed by <i>Kepler</i> . VIII. A Fully Automated Catalog with Measured Completeness and Reliability Based on Data Release 25. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 38.	7.7	316
12	TESTING SCALING RELATIONS FOR SOLAR-LIKE OSCILLATIONS FROM THE MAIN SEQUENCE TO RED GIANTS USING <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2011, 743, 143.	4.5	303
13	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA <i>KEPLER</i> MISSION. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 1.	7.7	293
14	SEISMIC EVIDENCE FOR A RAPIDLY ROTATING CORE IN A LOWER-GIANT-BRANCH STAR OBSERVED WITH <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2012, 756, 19.	4.5	290
15	Weakened magnetic braking as the origin of anomalously rapid rotation in old field stars. <i>Nature</i> , 2016, 529, 181-184.	27.8	285
16	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE <i>KEPLER</i> FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 19.	7.7	268
17	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. <i>Science</i> , 2011, 332, 213-216.	12.6	267
18	Revised Stellar Properties of Kepler Targets for the Q1-17 (DR25) Transit Detection Run. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 30.	7.7	263

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19	Preparation of <i>Kepler</i> light curves for asteroseismic analyses. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 414, L6-L10.	3.3	230
20	A HUGE RESERVOIR OF IONIZED GAS AROUND THE MILKY WAY: ACCOUNTING FOR THE MISSING MASS?. <i>Astrophysical Journal Letters</i> , 2012, 756, L8.	8.3	225
21	Tracking Solar Gravity Modes: The Dynamics of the Solar Core. <i>Science</i> , 2007, 316, 1591-1593.	12.6	221
22	Rotation and magnetism of <i>Kepler</i> pulsating solar-like stars. <i>Astronomy and Astrophysics</i> , 2014, 572, A34.	5.1	218
23	SPACE TELESCOPE AND OPTICAL REVERBERATION MAPPING PROJECT. II. <i>SWIFT</i> AND <i>HST</i> REVERBERATION MAPPING OF THE ACCRETION DISK OF NGC 5548. <i>Astrophysical Journal</i> , 2015, 806, 129.	4.5	216
24	SOLAR-LIKE OSCILLATIONS IN LOW-LUMINOSITY RED GIANTS: FIRST RESULTS FROM <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2010, 713, L176-L181.	8.3	203
25	CoRoT Reveals a Magnetic Activity Cycle in a Sun-Like Star. <i>Science</i> , 2010, 329, 1032-1032.	12.6	203
26	Accurate fundamental parameters and detailed abundance patterns from spectroscopy of 93 solar-type Kepler targets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 122-131.	4.4	200
27	SPACE TELESCOPE AND OPTICAL REVERBERATION MAPPING PROJECT. III. OPTICAL CONTINUUM EMISSION AND BROADBAND TIME DELAYS IN NGC 5548. <i>Astrophysical Journal</i> , 2016, 821, 56.	4.5	200
28	Asteroseismology of red giants from the first four months of <i>Kepler</i> data: Fundamental stellar parameters. <i>Astronomy and Astrophysics</i> , 2010, 522, A1.	5.1	191
29	Kepler Detected Gravity-Mode Period Spacings in a Red Giant Star. <i>Science</i> , 2011, 332, 205-205.	12.6	187
30	Asteroseismology and Gaia: Testing Scaling Relations Using 2200 Kepler Stars with TGAS Parallaxes. <i>Astrophysical Journal</i> , 2017, 844, 102.	4.5	185
31	The Second APOKASC Catalog: The Empirical Approach. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 32.	7.7	183
32	Determining global parameters of the oscillations of solar-like stars. <i>Astronomy and Astrophysics</i> , 2010, 511, A46.	5.1	178
33	The connection between stellar granulation and oscillation as seen by the <i>Kepler</i> mission. <i>Astronomy and Astrophysics</i> , 2014, 570, A41.	5.1	174
34	ASTEROSEISMOLOGY OF RED GIANTS FROM THE FIRST FOUR MONTHS OF <i>KEPLER</i> DATA: GLOBAL OSCILLATION PARAMETERS FOR 800 STARS. <i>Astrophysical Journal</i> , 2010, 723, 1607-1617.	4.5	168
35	A UNIFORM ASTEROSEISMIC ANALYSIS OF 22 SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2012, 749, 152.	4.5	167
36	Characterization of the power excess of solar-like oscillations in red giants with <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, A30.	5.1	166

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37	Toward a Self-consistent Model of the Ionized Absorber in NGC 3783. <i>Astrophysical Journal</i> , 2003, 597, 832-850.	4.5	162
38	ASTEROSEISMOLOGY OF THE SOLAR ANALOGS 16 Cyg A AND B FROM <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 748, L10.	8.3	156
39	GRANULATION IN RED GIANTS: OBSERVATIONS BY THE <i>KEPLER</i> MISSION AND THREE-DIMENSIONAL CONVECTION SIMULATIONS. <i>Astrophysical Journal</i> , 2011, 741, 119.	4.5	153
40	VERIFYING ASTEROSEISMICALLY DETERMINED PARAMETERS OF <i>KEPLER</i> STARS USING <i>HIPPARCOS</i> PARALLAXES: SELF-CONSISTENT STELLAR PROPERTIES AND DISTANCES. <i>Astrophysical Journal</i> , 2012, 757, 99.	4.5	151
41	THE TYPECASTING OF ACTIVE GALACTIC NUCLEI: Mrk 590 NO LONGER FITS THE ROLE. <i>Astrophysical Journal</i> , 2014, 796, 134.	4.5	149
42	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2758-2776.	4.4	148
43	Young $\alpha$ -enriched giant stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2230-2243.	4.4	133
44	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. <i>Astrophysical Journal</i> , 2010, 723, 1583-1598.	4.5	130
45	Young $[\alpha/Fe]$ -enhanced stars discovered by CoRoT and APOGEE: What is their origin?. <i>Astronomy and Astrophysics</i> , 2015, 576, L12.	5.1	130
46	ASTEROSEISMOLOGY OF THE OPEN CLUSTERS NGC 6791, NGC 6811, AND NGC 6819 FROM 19 MONTHS OF <i>KEPLER</i> PHOTOMETRY. <i>Astrophysical Journal</i> , 2012, 757, 190.	4.5	129
47	Magnetic activity of F stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2014, 562, A124.	5.1	127
48	Oscillation mode frequencies of 61 main-sequence and subgiant stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 543, A54.	5.1	126
49	KEPLER-21b: A 1.6 $R_{Earth}$ PLANET TRANSITING THE BRIGHT OSCILLATING F SUBGIANT STAR HD 179070. <i>Astrophysical Journal</i> , 2012, 746, 123.	4.5	124
50	THE ASTEROSEISMIC POTENTIAL OF <i>KEPLER</i> : FIRST RESULTS FOR SOLAR-TYPE STARS. <i>Astrophysical Journal Letters</i> , 2010, 713, L169-L175.	8.3	122
51	PROPERTIES OF 42 SOLAR-TYPE <i>KEPLER</i> TARGETS FROM THE ASTEROSEISMIC MODELING PORTAL. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 27.	7.7	121
52	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.	7.7	121
53	SOUNDING OPEN CLUSTERS: ASTEROSEISMIC CONSTRAINTS FROM <i>KEPLER</i> ON THE PROPERTIES OF NGC 6791 AND NGC 6819. <i>Astrophysical Journal Letters</i> , 2011, 729, L10.	8.3	120
54	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2011, 732, 54.	4.5	118

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55	The First Swift Intensive AGN Accretion Disk Reverberation Mapping Survey. <i>Astrophysical Journal</i> , 2019, 870, 123.	4.5	115
56	EVIDENCE FOR THE IMPACT OF STELLAR ACTIVITY ON THE DETECTABILITY OF SOLAR-LIKE OSCILLATIONS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 732, L5.	8.3	114
57	DISCOVERY OF A 1.6 YEAR MAGNETIC ACTIVITY CYCLE IN THE EXOPLANET HOST STAR $\hat{\iota}^1$ HOROLOGII. <i>Astrophysical Journal Letters</i> , 2010, 723, L213-L217.	8.3	109
58	Pulsating red giant stars in eccentric binary systems discovered from <i>Kepler</i> space-based photometry. <i>Astronomy and Astrophysics</i> , 2014, 564, A36.	5.1	108
59	Impact on asteroseismic analyses of regular gaps in <i>Kepler</i> data. <i>Astronomy and Astrophysics</i> , 2014, 568, A10.	5.1	108
60	Red giants observed by CoRoT and APOGEE: The evolution of the Milky Way's radial metallicity gradient. <i>Astronomy and Astrophysics</i> , 2017, 600, A70.	5.1	102
61	MAGNETIC ACTIVITY CYCLES IN THE EXOPLANET HOST STAR $\check{\mu}$ ERIDANI. <i>Astrophysical Journal Letters</i> , 2013, 763, L26.	8.3	101
62	Solar-like oscillations in red giants observed with <i>Kepler</i> : comparison of global oscillation parameters from different methods. <i>Astronomy and Astrophysics</i> , 2011, 525, A131.	5.1	100
63	Swift Monitoring of NGC 4151: Evidence for a Second X-Ray/UV Reprocessing. <i>Astrophysical Journal</i> , 2017, 840, 41.	4.5	98
64	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. <i>Astronomical Journal</i> , 2020, 160, 83.	4.7	96
65	The Occurrence of Rocky Habitable-zone Planets around Solar-like Stars from Kepler Data. <i>Astronomical Journal</i> , 2021, 161, 36.	4.7	96
66	Global asteroseismic properties of solar-like oscillations observed by Kepler: a comparison of complementary analysis methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3539-3551.	4.4	93
67	Space Telescope and Optical Reverberation Mapping Project. V. Optical Spectroscopic Campaign and Emission-line Analysis for NGC 5548. <i>Astrophysical Journal</i> , 2017, 837, 131.	4.5	93
68	AN ASTEROSEISMIC MEMBERSHIP STUDY OF THE RED GIANTS IN THREE OPEN CLUSTERS OBSERVED BY <i>KEPLER</i> : NGC 6791, NGC 6819, AND NGC 6811. <i>Astrophysical Journal</i> , 2011, 739, 13.	4.5	88
69	TESS's first planet. <i>Astronomy and Astrophysics</i> , 2018, 619, L10.	5.1	86
70	THE K2 GALACTIC ARCHAEOLOGY PROGRAM DATA RELEASE I: ASTEROSEISMIC RESULTS FROM CAMPAIGN 1. <i>Astrophysical Journal</i> , 2017, 835, 83.	4.5	85
71	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. <i>Astronomical Journal</i> , 2020, 160, 82.	4.7	85
72	TESTING THE ASTEROSEISMIC MASS SCALE USING METAL-POOR STARS CHARACTERIZED WITH APOGEE AND <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2014, 785, L28.	8.3	84

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73	OSCILLATING RED GIANTS OBSERVED DURING CAMPAIGN 1 OF THE <i>KEPLER</i> K2 MISSION: NEW PROSPECTS FOR GALACTIC ARCHAEOLOGY. <i>Astrophysical Journal Letters</i> , 2015, 809, L3.	8.3	84
74	Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. <i>Astronomy and Astrophysics</i> , 2017, 597, A30.	5.1	84
75	A fresh look at the seismic spectrum of HD49933: analysis of 180 days of CoRoT photometry. <i>Astronomy and Astrophysics</i> , 2009, 507, L13-L16.	5.1	83
76	Seismic and spectroscopic characterization of the solar-like pulsating CoRoT target HD49385. <i>Astronomy and Astrophysics</i> , 2010, 515, A87.	5.1	83
77	CALIBRATING CONVECTIVE PROPERTIES OF SOLAR-LIKE STARS IN THE <i>KEPLER</i> FIELD OF VIEW. <i>Astrophysical Journal Letters</i> , 2012, 755, L12.	8.3	80
78	The Correlation between Mixing Length and Metallicity on the Giant Branch: Implications for Ages in the Gaia Era. <i>Astrophysical Journal</i> , 2017, 840, 17.	4.5	80
79	Seismic constraints on rotation of Sun-like star and mass of exoplanet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13267-13271.	7.1	79
80	Rotation periods and seismic ages of KOIs – comparison with stars without detected planets from <i>Kepler</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 119-125.	4.4	79
81	Surface rotation of <i>Kepler</i> red giant stars. <i>Astronomy and Astrophysics</i> , 2017, 605, A111.	5.1	79
82	Warm Hot Gas in and around the Milky Way: Detection and Implications of O VII Absorption toward LMC X-3. <i>Astrophysical Journal</i> , 2005, 635, 386-395.	4.5	78
83	Solar-like oscillations with low amplitude in the CoRoT target HD181906. <i>Astronomy and Astrophysics</i> , 2009, 506, 41-50.	5.1	76
84	Accurate p-mode measurements of the G0V metal-rich CoRoT target HD52265. <i>Astronomy and Astrophysics</i> , 2011, 530, A97.	5.1	75
85	Gap interpolation by inpainting methods: Application to ground and space-based asteroseismic data. <i>Astronomy and Astrophysics</i> , 2015, 574, A18.	5.1	75
86	Surface Rotation and Photometric Activity for <i>Kepler</i> Targets. I. M and K Main-sequence Stars. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 21.	7.7	74
87	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BY <i>KEPLER</i>. <i>Astrophysical Journal</i> , 2014, 782, 18.	4.5	73
88	NON-RADIAL OSCILLATIONS IN M-GIANT SEMI-REGULAR VARIABLES: STELLAR MODELS AND <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2014, 788, L10.	8.3	73
89	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
90	Solar-like oscillations in HD 181420: data analysis of 156 days of CoRoT data. <i>Astronomy and Astrophysics</i> , 2009, 506, 51-56.	5.1	70

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91	ROTATION PERIODS AND AGES OF SOLAR ANALOGS AND SOLAR TWINS REVEALED BY THE <i>KEPLER</i> MISSION. <i>Astrophysical Journal Letters</i> , 2014, 790, L23.	8.3	70
92	SPACE TELESCOPE AND OPTICAL REVERBERATION MAPPING PROJECT.VI. REVERBERATING DISK MODELS FOR NGC 5548. <i>Astrophysical Journal</i> , 2017, 835, 65.	4.5	68
93	Asteroseismology from multi-month<i>Kepler</i>photometry: the evolved Sun-like stars KICÂ10273246 and KICÂ10920273. <i>Astronomy and Astrophysics</i> , 2011, 534, A6.	5.1	67
94	The Influence of Metallicity on Stellar Differential Rotation and Magnetic Activity. <i>Astrophysical Journal</i> , 2018, 852, 46.	4.5	67
95	The solar-like CoRoT target HDÂ170987: spectroscopic and seismic observations. <i>Astronomy and Astrophysics</i> , 2010, 518, A53.	5.1	65
96	DETECTION OF SOLAR-LIKE OSCILLATIONS FROM <i>KEPLER</i> PHOTOMETRY OF THE OPEN CLUSTER NGC 6819. <i>Astrophysical Journal Letters</i> , 2010, 713, L182-L186.	8.3	65
97	Surface Rotation and Photometric Activity for Kepler Targets. II. G and F Main-sequence Stars and Cool Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 17.	7.7	64
98	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , 2019, 3, 416-423.	10.1	64
99	Period-luminosity relations in evolved red giants explained by solar-like oscillations. <i>Astronomy and Astrophysics</i> , 2013, 559, A137.	5.1	63
100	SPACE TELESCOPE AND OPTICAL REVERBERATION MAPPING PROJECT. IV. ANOMALOUS BEHAVIOR OF THE BROAD ULTRAVIOLET EMISSION LINES IN NGC 5548. <i>Astrophysical Journal</i> , 2016, 824, 11.	4.5	63
101	Spin alignment of stars in old open clusters. <i>Nature Astronomy</i> , 2017, 1, .	10.1	63
102	Evolution of Co-existing Long and Short Period Stellar Activity Cycles. <i>Astrophysical Journal</i> , 2017, 845, 79.	4.5	63
103	Multiwavelength Monitoring of the Narrowâ€line Seyfert 1 Galaxy Arakelian 564. II. Ultraviolet Continuum and Emissionâ€line Variability. <i>Astrophysical Journal</i> , 2001, 561, 146-161.	4.5	62
104	PLATO <i>as it is</i>: A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , 2017, 338, 644-661.	1.2	61
105	SOLAR-LIKE OSCILLATIONS IN KIC 11395018 AND KIC 11234888 FROM 8 MONTHS OF<i>KEPLER</i>DATA. <i>Astrophysical Journal</i> , 2011, 733, 95.	4.5	60
106	The CoRoT target HDâ€175726: an active star with weak solar-like oscillations. <i>Astronomy and Astrophysics</i> , 2009, 506, 33-40.	5.1	59
107	Asteroseismic inferences on red giants in open clusters NGCÂ6791, NGCÂ6819, and NGCÂ6811 using<i>Kepler</i>. <i>Astronomy and Astrophysics</i> , 2011, 530, A100.	5.1	57
108	Sensitivity of helioseismic gravity modes to the dynamics of the solar core. <i>Astronomy and Astrophysics</i> , 2008, 484, 517-522.	5.1	56



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109	Characterizing solar-type stars from full-length <i>Kepler</i> data sets using the Asteroseismic Modeling Portal. <i>Astronomy and Astrophysics</i> , 2017, 601, A67.	5.1	55
110	The ultraviolet spectroscopic evolution of the low-luminosity tidal disruption event iPTF16fnl. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1130-1144.	4.4	54
111	AMPLITUDES OF SOLAR-LIKE OSCILLATIONS: CONSTRAINTS FROM RED GIANTS IN OPEN CLUSTERS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 737, L10.	8.3	53
112	RAPID ROTATION OF LOW-MASS RED GIANTS USING APOKASC: A MEASURE OF INTERACTION RATES ON THE POST-MAIN-SEQUENCE. <i>Astrophysical Journal</i> , 2015, 807, 82.	4.5	53
113	Photospheric and chromospheric magnetic activity of seismic solar analogs. <i>Astronomy and Astrophysics</i> , 2016, 596, A31.	5.1	50
114	On the Characteristics of the Solar Gravity Mode Frequencies. <i>Astrophysical Journal</i> , 2007, 668, 594-602.	4.5	49
115	Photometric magnetic-activity metrics tested with the Sun: application to <i>Kepler</i> M dwarfs. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A15.	3.3	49
116	Intensive disc-reverberation mapping of Fairall 9: first year of <i>Swift</i> and LCO monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5399-5416.	4.4	48
117	A DISTANT ECHO OF MILKY WAY CENTRAL ACTIVITY CLOSES THE GALAXY'S BARYON CENSUS. <i>Astrophysical Journal Letters</i> , 2016, 828, L12.	8.3	47
118	Magnetic variability in the young solar analog KIC 10644253. <i>Astronomy and Astrophysics</i> , 2016, 589, A118.	5.1	46
119	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\hat{\nu}$ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	10.1	46
120	ASTEROSEISMIC DIAGRAMS FROM A SURVEY OF SOLAR-LIKE OSCILLATIONS WITH <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 742, L3.	8.3	45
121	VERIFICATION OF THE KEPLER INPUT CATALOG FROM ASTEROSEISMOLOGY OF SOLAR-TYPE STARS. <i>Astrophysical Journal Letters</i> , 2011, 738, L28.	8.3	44
122	PROBING THE DEEP END OF THE MILKY WAY WITH KEPLER: ASTEROSEISMIC ANALYSIS OF 854 FAINT RED GIANTS MISCLASSIFIED AS COOL DWARFS. <i>Astrophysical Journal</i> , 2016, 827, 50.	4.5	42
123	Metallicity effect on stellar granulation detected from oscillating red giants in open clusters. <i>Astronomy and Astrophysics</i> , 2017, 605, A3.	5.1	42
124	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	41
125	Study of KIC 8561221 observed by <i>Kepler</i> : an early red giant showing depressed dipolar modes. <i>Astronomy and Astrophysics</i> , 2014, 563, A84.	5.1	40
126	X-ray detection of warm ionized matter in the Galactic halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 676-694.	4.4	39



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127	Update on gâ€mode research. <i>Astronomische Nachrichten</i> , 2008, 329, 476-484.	1.2	37
128	CONSTRUCTING A ONE-SOLAR-MASS EVOLUTIONARY SEQUENCE USING ASTEROSEISMIC DATA FROM <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 740, L2.	8.3	37
129	A decade of warm hot intergalactic medium searches: Where do we stand and where do we go?. <i>Astronomische Nachrichten</i> , 2017, 338, 281-286.	1.2	37
130	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , 2020, 892, L7.	8.3	37
131	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. <i>Astrophysical Journal Letters</i> , 2020, 889, L34.	8.3	37
132	About the p-mode frequency shifts in HD49933. <i>Astronomy and Astrophysics</i> , 2011, 530, A127.	5.1	36
133	The Changing-look Quasar Mrk 590 Is Awakening. <i>Astrophysical Journal</i> , 2018, 866, 123.	4.5	36
134	Space Telescope and Optical Reverberation Mapping Project. X. Understanding the Absorption-line Holiday in NGC 5548. <i>Astrophysical Journal</i> , 2019, 877, 119.	4.5	35
135	Fundamental properties of five <i>Kepler</i> stars using global asteroseismic quantities and ground-based observations. <i>Astronomy and Astrophysics</i> , 2012, 537, A111.	5.1	34
136	Stellar granulation as seen in disk-integrated intensity. <i>Astronomy and Astrophysics</i> , 2013, 559, A40.	5.1	34
137	The <i>Gaia</i> -ESO Survey: properties of newly discovered Li-rich giants. <i>Astronomy and Astrophysics</i> , 2018, 617, A4.	5.1	34
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