

Patrick Gaulme

List of Publications by Year in descending order

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papers

8,044
citations

117625

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docs citations

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times ranked

8040
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	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
3	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
4	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
5	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
6	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
7	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. <i>Science</i> , 2011, 332, 213-216.	12.6	267
8	SDSS-IV MaNGA IFS GALAXY SURVEY—SURVEY DESIGN, EXECUTION, AND INITIAL DATA QUALITY. <i>Astronomical Journal</i> , 2016, 152, 197.	4.7	266
9	TESTING THE ASTEROSEISMIC SCALING RELATIONS FOR RED GIANTS WITH ECLIPSING BINARIES OBSERVED BY KEPLER. <i>Astrophysical Journal</i> , 2016, 832, 121.	4.5	131
10	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
11	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.	7.7	121
12	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i>. <i>Astrophysical Journal</i> , 2011, 732, 54.	4.5	118
13	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
14	EChO. <i>Experimental Astronomy</i> , 2012, 34, 311-353.	3.7	98
15	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
16	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
17	Seismic and spectroscopic characterization of the solar-like pulsating CoRoT target HD49385. <i>Astronomy and Astrophysics</i> , 2010, 515, A87.	5.1	83
18	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

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19	Solar-like oscillations with low amplitude in the CoRoT target HD181906. <i>Astronomy and Astrophysics</i> , 2009, 506, 41-50.	5.1	76
20	Accurate p-mode measurements of the G0V metal-rich CoRoT target HD52265. <i>Astronomy and Astrophysics</i> , 2011, 530, A97.	5.1	75
21	SURFACE ACTIVITY AND OSCILLATION AMPLITUDES OF RED GIANTS IN ECLIPSING BINARIES. <i>Astrophysical Journal</i> , 2014, 785, 5.	4.5	73
22	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
23	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
24	RED GIANTS IN ECLIPSING BINARY AND MULTIPLE-STAR SYSTEMS: MODELING AND ASTEROSEISMIC ANALYSIS OF 70 CANDIDATES FROM KEPLER DATA. <i>Astrophysical Journal</i> , 2013, 767, 82.	4.5	69
25	Asteroseismology from multi-month Kepler photometry: the evolved Sun-like stars KIC10273246 and KIC10920273. <i>Astronomy and Astrophysics</i> , 2011, 534, A6.	5.1	67
26	The CoRoT target HD175726: an active star with weak solar-like oscillations. <i>Astronomy and Astrophysics</i> , 2009, 506, 33-40.	5.1	59
27	Detection of Jovian seismic waves: a new probe of its interior structure. <i>Astronomy and Astrophysics</i> , 2011, 531, A104.	5.1	52
28	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\hat{1}/2$ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	10.1	46
29	A seismic and gravitationally bound double star observed by Kepler. <i>Astronomy and Astrophysics</i> , 2015, 582, A25.	5.1	43
30	Metallicity effect on stellar granulation detected from oscillating red giants in open clusters. <i>Astronomy and Astrophysics</i> , 2017, 605, A3.	5.1	42
31	NEPTUNE'S DYNAMIC ATMOSPHERE FROM KEPLER K2 OBSERVATIONS: IMPLICATIONS FOR BROWN DWARF LIGHT CURVE ANALYSES. <i>Astrophysical Journal</i> , 2016, 817, 162.	4.5	39
32	Systematic search for stellar pulsators in the eclipsing binaries observed by Kepler. <i>Astronomy and Astrophysics</i> , 2019, 630, A106.	5.1	39
33	CONSTRUCTING A ONE-SOLAR-MASS EVOLUTIONARY SEQUENCE USING ASTEROSEISMIC DATA FROM KEPLER. <i>Astrophysical Journal Letters</i> , 2011, 740, L2.	8.3	37
34	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. <i>Astrophysical Journal Letters</i> , 2020, 889, L34.	8.3	37
35	SDSS-IV eBOSS emission-line galaxy pilot survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A121.	5.1	33
36	KIC 9246715: THE DOUBLE RED GIANT ECLIPSING BINARY WITH ODD OSCILLATIONS. <i>Astrophysical Journal</i> , 2016, 818, 108.	4.5	33

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37	The comparative exploration of the ice giant planets with twin spacecraft: Unveiling the history of our Solar System. <i>Planetary and Space Science</i> , 2014, 104, 93-107.	1.7	31
38	Mode width fitting with a simple Bayesian approach. <i>Astronomy and Astrophysics</i> , 2009, 506, 7-14.	5.1	30
39	SDSS-IV MaNGA: faint quenched galaxies – I. Sample selection and evidence for environmental quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3955-3978.	4.4	30
40	<i>Kepler</i> observations of the asteroseismic binary HD 176465. <i>Astronomy and Astrophysics</i> , 2017, 601, A82.	5.1	28
41	HD 46375: seismic and spectropolarimetric analysis of a young Sun hosting a Saturn-like planet. <i>Astronomy and Astrophysics</i> , 2010, 524, A47.	5.1	26
42	Active red giants: Close binaries versus single rapid rotators. <i>Astronomy and Astrophysics</i> , 2020, 639, A63.	5.1	24
43	Fragile Detection of Solar g -Modes by Fossat et al.. <i>Solar Physics</i> , 2018, 293, 1.	2.5	22
44	Spectroscopic and seismic analysis of red giants in eclipsing binaries discovered by <i>Kepler</i>. <i>Astronomy and Astrophysics</i> , 2021, 648, A113.	5.1	22
45	Investigating surface correction relations for RGB stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4965-4980.	4.4	19
46	The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS. <i>Astrophysical Journal</i> , 2020, 900, 154.	4.5	18
47	SYMPA, a dedicated instrument for Jovian seismology. <i>Astronomy and Astrophysics</i> , 2007, 474, 1073-1080.	5.1	17
48	PBjam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. <i>Astronomical Journal</i> , 2021, 161, 62.	4.7	16
49	Transiting exoplanets from the CoRoT space mission. <i>Astronomy and Astrophysics</i> , 2013, 555, A118.	5.1	15
50	DETECTION OF SOLAR-LIKE OSCILLATIONS, OBSERVATIONAL CONSTRAINTS, AND STELLAR MODELS FOR $\hat{\iota}$, CYG, THE BRIGHTEST STAR OBSERVED BY THE KEPLER MISSION. <i>Astrophysical Journal</i> , 2016, 831, 17.	4.5	14
51	An exploration of Pluto's environment through stellar occultations. <i>Astronomy and Astrophysics</i> , 2014, 561, A144.	5.1	13
52	Longitudinal variability in Jupiter's zonal winds derived from multi-wavelength HST observations. <i>Planetary and Space Science</i> , 2018, 155, 2-11.	1.7	13
53	Possible detection of phase changes from the non-transiting planet HD 46375b by CoRoT. <i>Astronomy and Astrophysics</i> , 2010, 518, L153.	5.1	10
54	First measurements of Jupiter's zonal winds with visible imaging spectroscopy. <i>Icarus</i> , 2019, 319, 795-811.	2.5	10

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55	Venus wind map at cloud top level with the MTR/THEMIS visible spectrometer, I: Instrumental performance and first results. <i>Planetary and Space Science</i> , 2008, 56, 1335-1343.	1.7	9
56	Seismic analysis of HD 43587Aa, a solar-like oscillator in a multiple system. <i>Astronomy and Astrophysics</i> , 2014, 564, A34.	5.1	9
57	Time-series Analysis of Broadband Photometry of Neptune from K2. <i>Astronomical Journal</i> , 2017, 153, 149.	4.7	9
58	Asteroseismology of solar-type stars with Kepler I: Data analysis. <i>Astronomische Nachrichten</i> , 2010, 331, 972-976.	1.2	8
59	Searching for pulsations in <i>Kepler</i> eclipsing binary stars. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 413-414.	0.0	8
60	Seismology of giant planets. , 0, , 189-202.		8
61	A DISTANT MIRROR: SOLAR OSCILLATIONS OBSERVED ON NEPTUNE BY THE KEPLER K2 MISSION. <i>Astrophysical Journal Letters</i> , 2016, 833, L13.	8.3	8
62	Measuring planetary atmospheric dynamics with Doppler spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 617, A41.	5.1	8
63	Toward the true number of flaring giant stars in the <i>Kepler</i> field. <i>Astronomy and Astrophysics</i> , 2021, 647, A62.	5.1	8
64	SYMPA, a dedicated instrument for Jovian seismology. <i>Astronomy and Astrophysics</i> , 2008, 490, 859-871.	5.1	8
65	Coupling of acoustic waves to clouds in the jovian troposphere. <i>Icarus</i> , 2005, 178, 84-96.	2.5	7
66	JISCO: Jovian Interferometric Seismometer at Concordia Observatory. <i>EAS Publications Series</i> , 2005, 14, 285-290.	0.3	2
67	Advances in the development of a Mach-Zehnder interferometric Doppler imager for seismology of giant planets. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
68	Seismology of Giant Planets: General Overview and Results from the <i>Kepler</i> K2 Observations of Neptune. <i>EPJ Web of Conferences</i> , 2017, 160, 05012.	0.3	1
69	Atmospheric circulation of Venus measured with visible imaging spectroscopy at the THEMIS observatory. <i>Astronomy and Astrophysics</i> , 2019, 627, A82.	5.1	1