Patrick Gaulme

List of Publications by Year
in descending order

69	8,044	117625	95266
papers	citations	34 h-index	68 g-index

69	69	69	8040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PBjam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. Astronomical Journal, 2021, 161, 62.	4.7	16
2	Toward the true number of flaring giant stars in the Kepler field. Astronomy and Astrophysics, 2021, 647, A62.	5.1	8
3	Spectroscopic and seismic analysis of red giants in eclipsing binaries discovered byKepler. Astronomy and Astrophysics, 2021, 648, A113.	5.1	22
4	Investigating surface correction relations for RGB stars. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4965-4980.	4.4	19
5	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. Astrophysical Journal Letters, 2020, 889, L34.	8.3	37
6	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star Î½ Indi. Nature Astronomy, 2020, 4, 382-389.	10.1	46
7	Active red giants: Close binaries versus single rapid rotators. Astronomy and Astrophysics, 2020, 639, A63.	5.1	24
8	The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS. Astrophysical Journal, 2020, 900, 154.	4.5	18
9	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	4.7	72
10	Atmospheric circulation of Venus measured with visible imaging spectroscopy at the THEMIS observatory. Astronomy and Astrophysics, 2019, 627, A82.	5.1	1
11	Systematic search for stellar pulsators in the eclipsing binaries observed byKepler. Astronomy and Astrophysics, 2019, 630, A106.	5.1	39
12	First measurements of Jupiterâ€™s zonal winds with visible imaging spectroscopy. Icarus, 2019, 319, 795-811.	2.5	10
13	Fragile Detection of Solar g g -Modes by Fossat et al.. Solar Physics, 2018, 293, 1.	2.5	22
14	Measuring planetary atmospheric dynamics with Doppler spectroscopy. Astronomy and Astrophysics, 2018, 617, A41.	5.1	8
15	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. Astrophysical Journal, Supplement Series, 2018, 235, 42.	7.7	796
16	Longitudinal variability in Jupiter's zonal winds derived from multi-wavelength HST observations. Planetary and Space Science, 2018, 155, 2-11.	1.7	13
17	Keplerobservations of the asteroseismic binary HD 176465. Astronomy and Astrophysics, 2017, 601, A82.	5.1	28
18	Time-series Analysis of Broadband Photometry of Neptune from K2. Astronomical Journal, 2017, 153, 149.	4.7	9

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19	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. Astrophysical Journal, Supplement Series, 2017, 233, 25.	7.7	406
20	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
21	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. Astrophysical Journal, Supplement Series, 2017, 233, 23.	7.7	121
22	Seismology of Giant Planets: General Overview and Results from theKeplerK2 Observations of Neptune. EPJ Web of Conferences, 2017, 160, 05012.	0.3	1
23	Metallicity effect on stellar granulation detected from oscillating red giants in open clusters. Astronomy and Astrophysics, 2017, 605, A3.	5.1	42
24	SDSS-IV eBOSS emission-line galaxy pilot survey. Astronomy and Astrophysics, 2016, 592, A121.	5.1	33
25	SDSS-IV MaNGA IFS GALAXY SURVEYâ€"SURVEY DESIGN, EXECUTION, AND INITIAL DATA QUALITY. Astronomical Journal, 2016, 152, 197.	4.7	266
26	DETECTION OF SOLAR-LIKE OSCILLATIONS, OBSERVATIONAL CONSTRAINTS, AND STELLAR MODELS FOR Î¸ CYG, THE BRIGHTEST STAR OBSERVED BY THE KEPLER MISSION. Astrophysical Journal, 2016, 831, 17.	4.5	14
27	SDSS-IV MaNGA: faint quenched galaxies â€“ I. Sample selection and evidence for environmental quenching. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3955-3978.	4.4	30
28	Advances in the development of a Mach-Zehnder interferometric Doppler imager for seismology of giant planets. Proceedings of SPIE, 2016, , .	0.8	1
29	TESTING THE ASTEROSEISMIC SCALING RELATIONS FOR RED GIANTS WITH ECLIPSING BINARIES OBSERVED BY KEPLER. Astrophysical Journal, 2016, 832, 121.	4.5	131
30	A DISTANT MIRROR: SOLAR OSCILLATIONS OBSERVED ON NEPTUNE BY THE KEPLER K2 MISSION. Astrophysical Journal Letters, 2016, 833, L13.	8.3	8
31	NEPTUNEâ€™S DYNAMIC ATMOSPHERE FROM KEPLER K2 OBSERVATIONS: IMPLICATIONS FOR BROWN DWARF LIGHT CURVE ANALYSES. Astrophysical Journal, 2016, 817, 162.	4.5	39
32	KIC 9246715: THE DOUBLE RED GIANT ECLIPSING BINARY WITH ODD OSCILLATIONS. Astrophysical Journal, 2016, 818, 108.	4.5	33
33	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44.	4.7	582
34	A seismic and gravitationally bound double star observed byKepler. Astronomy and Astrophysics, 2015, 582, A25.	5.1	43
35	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	7.7	1,877
36	SURFACE ACTIVITY AND OSCILLATION AMPLITUDES OF RED GIANTS IN ECLIPSING BINARIES. Astrophysical Journal, 2014, 785, 5.	4.5	73

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37	The comparative exploration of the ice giant planets with twin spacecraft: Unveiling the history of our Solar System. Planetary and Space Science, 2014, 104, 93-107.	1.7	31
38	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA KEPLER MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 1.	7.7	293
39	An exploration of Plutoâ€™s environment through stellar occultations. Astronomy and Astrophysics, 2014, 561, A144.	5.1	13
40	Seismic analysis of HDâ€‰43587Aa, a solar-like oscillator in a multiple system. Astronomy and Astrophysics, 2014, 564, A34.	5.1	9
41	Seismic constraints on rotation of Sun-like star and mass of exoplanet. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13267-13271.	7.1	79
42	RED GIANTS IN ECLIPSING BINARY AND MULTIPLE-STAR SYSTEMS: MODELING AND ASTEROSEISMIC ANALYSIS OF 70 CANDIDATES FROMKEPLERDATA. Astrophysical Journal, 2013, 767, 82.	4.5	69
43	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2013, 555, A118.	5.1	15
44	Searching for pulsations in Kepler eclipsing binary stars. Proceedings of the International Astronomical Union, 2013, 9, 413-414.	0.0	8
45	EChO. Experimental Astronomy, 2012, 34, 311-353.	3.7	98
46	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BYKEPLER. Astrophysical Journal, 2011, 732, 54.	4.5	118
47	CONSTRUCTING A ONE-SOLAR-MASS EVOLUTIONARY SEQUENCE USING ASTEROSEISMIC DATA FROM KEPLER. Astrophysical Journal Letters, 2011, 740, L2.	8.3	37
48	EVIDENCE FOR THE IMPACT OF STELLAR ACTIVITY ON THE DETECTABILITY OF SOLAR-LIKE OSCILLATIONS OBSERVED BY KEPLER. Astrophysical Journal Letters, 2011, 732, L5.	8.3	114
49	Asteroseismology from multi-monthKeplerphotometry: the evolved Sun-like stars KICÂ10273246 and KICÂ10920273. Astronomy and Astrophysics, 2011, 534, A6.	5.1	67
50	Accurate p-mode measurements of the G0V metal-rich CoRoT target HDÂ52265. Astronomy and Astrophysics, 2011, 530, A97.	5.1	75
51	Detection of Jovian seismic waves: a new probe of its interior structure. Astronomy and Astrophysics, 2011, 531, A104.	5.1	52
52	Global asteroseismic properties of solar-like oscillations observed by Kepler: a comparison of complementary analysis methods. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3539-3551.	4.4	93
53	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. Science, 2011, 332, 213-216.	12.6	267
54	HDÂ46375: seismic and spectropolarimetric analysis of a young Sun hosting a Saturn-like planet. Astronomy and Astrophysics, 2010, 524, A47.	5.1	26

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55	THE ASTEROSEISMIC POTENTIAL OF KEPLER : FIRST RESULTS FOR SOLAR-TYPE STARS. Astrophysical Journal Letters, 2010, 713, L169-L175.	8.3	122
56	Asteroseismology of solarâ€type stars with Kepler I: Data analysis. Astronomische Nachrichten, 2010, 331, 972-976.	1.2	8
57	Seismic and spectroscopic characterization of the solar-like pulsating CoRoT target HDâ€‰49385. Astronomy and Astrophysics, 2010, 515, A87.	5.1	83
58	Possible detection of phase changes from the non-transiting planet HD 46375b by CoRoT. Astronomy and Astrophysics, 2010, 518, L153.	5.1	10
59	The CoRoT target HDâ€‰175726: an active star with weak solar-like oscillations. Astronomy and Astrophysics, 2009, 506, 33-40.	5.1	59
60	A fresh look at the seismic spectrum of HD49933: analysis of 180 days of CoRoT photometry. Astronomy and Astrophysics, 2009, 507, L13-L16.	5.1	83
61	Mode width fitting with a simple Bayesian approach. Astronomy and Astrophysics, 2009, 506, 7-14.	5.1	30
62	Solar-like oscillations with low amplitude in the CoRoT target HDÂ181906. Astronomy and Astrophysics, 2009, 506, 41-50.	5.1	76
63	Solar-like oscillations in HD 181420: data analysis of 156 days of CoRoT data. Astronomy and Astrophysics, 2009, 506, 51-56.	5.1	70
64	Venus wind map at cloud top level with the MTR/THEMIS visible spectrometer, I: Instrumental performance and first results. Planetary and Space Science, 2008, 56, 1335-1343.	1.7	9
65	SYMPA, a dedicated instrument for Jovian seismology. Astronomy and Astrophysics, 2008, 490, 859-871.	5.1	8
66	SYMPA, a dedicated instrument for Jovian seismology. Astronomy and Astrophysics, 2007, 474, 1073-1080.	5.1	17
67	JISCO: Jovian Interferometric Seismometer at Concordia Observatory. EAS Publications Series, 2005, 14, 285-290.	0.3	2
68	Coupling of acoustic waves to clouds in the jovian troposphere. Icarus, 2005, 178, 84-96.	2.5	7
69	Seismology of giant planets. , 0, , 189-202.		8