

# Daniel R Reese

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,454  
citations

567281

15  
h-index

361022

35  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing Jupiter interior structure models to <i>Juno</i> gravity measurements and the role of a dilute core. <i>Geophysical Research Letters</i> , 2017, 44, 4649-4659.	4.0	265
2	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. II. Radii, Masses, and Ages. <i>Astrophysical Journal</i> , 2017, 835, 173.	4.5	223
3	Acoustic oscillations of rapidly rotating polytropic stars. <i>Astronomy and Astrophysics</i> , 2006, 455, 621-637.	5.1	133
4	Acoustic oscillations of rapidly rotating polytropic stars. <i>Astronomy and Astrophysics</i> , 2006, 455, 607-620.	5.1	96
5	Testing the forward modeling approach in asteroseismology. <i>Astronomy and Astrophysics</i> , 2008, 489, 377-394.	5.1	89
6	The first view of $\hat{\nu}$ Scuti and $\hat{\nu}$ Doradus stars with the TESS mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4040-4059.	4.4	78
7	Very regular high-frequency pulsation modes in young intermediate-mass stars. <i>Nature</i> , 2020, 581, 147-151.	27.8	69
8	Regular patterns in the acoustic spectrum of rapidly rotating stars. <i>Astronomy and Astrophysics</i> , 2008, 481, 449-452.	5.1	65
9	<i>aims</i> – a new tool for stellar parameter determinations using asteroseismic constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 771-786.	4.4	64
10	OBSERVATIONAL $\hat{\nu}^{1/2}$ – $\rho_{\text{ho}}$ RELATION FOR $\hat{\nu}$ Sct STARS USING ECLIPSING BINARIES AND SPACE PHOTOMETRY. <i>Astrophysical Journal Letters</i> , 2015, 811, L29.	8.3	55
11	Asteroseismic modelling of solar-type stars: internal systematics from input physics and surface correction methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 5052-5063.	4.4	34
12	Precise surface gravities of $\hat{\nu}$ Scuti stars from asteroseismology. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 471, L140-L144.	3.3	30
13	A realistic two-dimensional model of Altair. <i>Astronomy and Astrophysics</i> , 2020, 633, A78.	5.1	25
14	Mean density inversions for red giants and red clump stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2305-2319.	4.4	24
15	Frequency regularities of acoustic modes and multi-colour mode identification in rapidly rotating stars. <i>Astronomy and Astrophysics</i> , 2017, 601, A130.	5.1	20
16	Regular Modes in Rotating Stars. <i>Physical Review Letters</i> , 2011, 107, 121101.	7.8	16
17	Mode classification in fast-rotating stars using a convolutional neural network: model-based regular patterns in $\hat{\nu}$ Scuti stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 483, L28-L32.	3.3	15
18	Five young $\hat{\nu}$ Scuti stars in the Pleiades seen with Kepler/K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5718-5729.	4.4	15

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19	Determining the metallicity of the solar envelope using seismic inversion techniques. Monthly Notices of the Royal Astronomical Society, 2017, 472, 751-764.	4.4	14
20	What CoRoT tells us about $\hat{\nu}$ Scuti stars. EPJ Web of Conferences, 2017, 160, 03001.	0.3	14
21	Oscillations of 2D ESTER models. Astronomy and Astrophysics, 2021, 645, A46.	5.1	14
22	The SAPP pipeline for the determination of stellar abundances and atmospheric parameters of stars in the core program of the PLATO mission. Astronomy and Astrophysics, 2022, 658, A147.	5.1	14
23	PLATO hare-and-hounds exercise: asteroseismic model fitting of main-sequence solar-like pulsators. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5864-5885.	4.4	13
24	Oscillations of magnetic stars. Astronomy and Astrophysics, 2004, 427, 279-292.	5.1	12
25	The PLATO Solar-like Light-curve Simulator. Astronomy and Astrophysics, 2019, 624, A117.	5.1	12
26	Inversions of the Ledoux discriminant: a closer look at the tachocline. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L70-L74.	3.3	10
27	Modelling rapidly rotating stars. Journal of Physics: Conference Series, 2008, 118, 012023.	0.4	9
28	Asteroseismic inversions in the Kepler era: application to the Kepler Legacy sample. EPJ Web of Conferences, 2017, 160, 03005.	0.3	9
29	Numerical Exploration of Oscillation Modes in Rapidly Rotating Stars. Lecture Notes in Physics, 2013, , 91-114.	0.7	5
30	Asteroseismic probing of internal rotation in hot B subdwarf stars: Testing spin-orbit synchronism in two close binary systems. Journal of Physics: Conference Series, 2009, 172, 012072.	0.4	2
31	Pulsations of rapidly rotating stars with compositional discontinuities. Proceedings of the International Astronomical Union, 2013, 9, 169-172.	0.0	2
32	Asteroseismology of fast-rotating stars: the example of $\hat{\nu}$ Ophiuchi. Proceedings of the International Astronomical Union, 2013, 9, 455-456.	0.0	2
33	Internal rapid rotation and its implications for stellar structure and pulsations. EPJ Web of Conferences, 2015, 101, 05007.	0.3	2
34	Oscillations of rapidly rotating stars. Communications in Asteroseismology, 0, 147, 65-68.	0.0	2
35	The Effects of Stellar Rotation and Magnetism on Oscillation Frequencies. EAS Publications Series, 2007, 26, 111-119.	0.3	1
36	Effect of stellar rotation on oscillation frequencies. Astrophysics and Space Science, 2010, 328, 285-289.	1.4	1

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37	The effects of $\hat{\nu}$ gradients on pulsations of rapidly rotating stars. Proceedings of the International Astronomical Union, 2010, 6, 535-536.	0.0	0
38	Asteroseismology, standard candles and the Hubble Constant: what is the role of asteroseismology in the era of precision cosmology?. Proceedings of the International Astronomical Union, 2013, 9, 233-240.	0.0	0
39	Testing the $\hat{\nu}_{\max} \propto \nu^2$ scaling relation. EPJ Web of Conferences, 2015, 101, 06017.	0.3	0
40	Accurate and log of $\hat{\nu}$ Sct stars using Asteroseismology. EPJ Web of Conferences, 2017, 160, 03003.	0.3	0