

# Maria Pia Di Mauro

## List of Publications by Year in descending order

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47  
papers

3,063  
citations

236925

25  
h-index

265206

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Helioseismic Studies of Differential Rotation in the Solar Envelope by the Solar Oscillations Investigation Using the Michelson Doppler Imager. <i>Astrophysical Journal</i> , 1998, 505, 390-417.	4.5	816
2	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
3	Search for Spectral Irregularities due to Photon <sup>2</sup> Axionlike-Particle Oscillations with the Fermi Large Area Telescope. <i>Physical Review Letters</i> , 2016, 116, 161101.	7.8	151
4	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
5	Resolving the Extragalactic $\bar{\nu}_3$ -Ray Background above 50 ÅGeV with the Fermi Large Area Telescope. <i>Physical Review Letters</i> , 2016, 116, 151105.	7.8	130
6	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
7	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
8	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2013, 554, A28.	5.1	103
9	On the opacity change required to compensate for the revised solar composition. <i>Astronomy and Astrophysics</i> , 2009, 494, 205-208.	5.1	92
10	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
11	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
12	PLATO <i>as it is</i> : A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , 2017, 338, 644-661.	1.2	61
13	INTERNAL ROTATION OF THE RED-GIANT STAR KIC 4448777 BY MEANS OF ASTEROSEISMIC INVERSION. <i>Astrophysical Journal</i> , 2016, 817, 65.	4.5	59
14	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 578, A64.	5.1	52
15	Convective overshooting in the evolution and seismology of $\eta$ Bootis. <i>Astronomy and Astrophysics</i> , 2003, 404, 341-353.	5.1	52
16	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
17	FERMI-LAT OBSERVATIONS OF THE LIGO EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 823, L2.	8.3	45
18	ASTEROSEISMOLOGY OF EVOLVED STARS WITH <i>KEPLER</i> : A NEW WAY TO CONSTRAIN STELLAR INTERIORS USING MODE INERTIAS. <i>Astrophysical Journal Letters</i> , 2014, 781, L29.	8.3	44

#	ARTICLE	IF	CITATIONS
19	Solar-like oscillations from the depths of the red-giant star KIC 4351319 observed with Kepler. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3783-3797.	4.4	39
20	Search for Cosmic-Ray Electron and Positron Anisotropies with Seven Years of Fermi Large Area Telescope Data. Physical Review Letters, 2017, 118, 091103.	7.8	38
21	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. Astrophysical Journal Letters, 2020, 889, L34.	8.3	37
22	Inferences on the solar envelope with high-degree modes. Astronomy and Astrophysics, 2002, 384, 666-677.	5.1	35
23	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITOR AND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	4.5	32
24	Dipole anisotropy in cosmic electrons and positrons: inspection on local sources. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 006-006.	5.4	30
25	Interpretation of the solar-like pulsational behaviour of $\hat{\iota}$ Bootis. Solar Physics, 2004, 220, 185-198.	2.5	26
26	The Rotational Shear Layer inside the Early Red-giant Star KIC 4448777. Astrophysical Journal, 2018, 862, 9.	4.5	23
27	CHARACTERIZING TWO SOLAR-TYPE KEPLER SUBGIANTS WITH ASTEROSEISMOLOGY: KIC 10920273 AND KIC 11395018. Astrophysical Journal, 2013, 763, 49.	4.5	22
28	On helioseismic tests of basic physics. Monthly Notices of the Royal Astronomical Society, 2005, 356, 587-595.	4.4	21
29	Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi/Swift Observations. Astrophysical Journal, 2018, 863, 138.	4.5	16
30	85 Peg A: what age for a low-metallicity solar-like star?. Monthly Notices of the Royal Astronomical Society, 2005, 363, 847-856.	4.4	15
31	Fermi Observations of the LIGO Event GW170104. Astrophysical Journal Letters, 2017, 846, L5.	8.3	15
32	Diffusion and Helioseismology. EAS Publications Series, 2007, 26, 3-16.	0.3	13
33	The GAPS programme at TNG. Astronomy and Astrophysics, 2020, 639, A50.	5.1	9
34	A Study of the Solar-Like Properties of $\hat{\iota}^2$ Hydri. Astrophysics and Space Science, 2003, 284, 229-232.	1.4	8
35	Helioseismology: A Fantastic Tool to Probe the Interior of the Sun. Lecture Notes in Physics, 2003, , 31-67.	0.7	8
36	Future instrumentation for solar physics: a double channel MOF imager on board ASI Space Mission ADAHELI. Astrophysics and Space Science, 2010, 328, 313-318.	1.4	7

#	ARTICLE	IF	CITATIONS
37	A spectroscopic search for non-radial pulsations in the $\delta$ Scuti star $\delta$ Bootis. Monthly Notices of the Royal Astronomical Society, 2007, 381, 1647-1654.	4.4	6
38	The telescope and the double Fabry-Pérot interferometer for the ADAHELI solar space mission. , 2010, , .		5
39	Asteroseismology of solar-type stars with Kepler: II. Stellar modeling. Astronomische Nachrichten, 2010, 331, 977-980.	1.2	3
40	Internal rotation of the Sun as inferred from GONG observations. Astronomy Letters, 2000, 26, 261-267.	1.0	2
41	Internal rotation of red giants by asteroseismology. EPJ Web of Conferences, 2013, 43, 03012.	0.3	2
42	Asteroseismology of low-mass red giants. Astronomy and Astrophysics, 2021, 656, A151.	5.1	2
43	A Study of the Solar-Like Properties of $\delta^2$ Hydri. , 2003, , 229-232.		1
44	Spectroscopic and Asteroseismic Analysis of the Secondary Clump Red Giant HD 226808*. Astrophysical Journal, 2020, 894, 67.	4.5	1
45	Editorial to the special issue Synergies Between Solar and Stellar Modelling. Astrophysics and Space Science, 2010, 328, 1-2.	1.4	0
46	Four years of HELAS. Astronomische Nachrichten, 2010, 331, 1084-1089.	1.2	0
47	The evolution of the internal rotation of solar-type stars. Proceedings of the International Astronomical Union, 2013, 9, 345-348.	0.0	0