

Andrea Possenti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/431878/publications.pdf>

Version: 2024-02-01

60
papers

7,508
citations

109321

35
h-index

133252

59
g-index

60
all docs

60
docs citations

60
times ranked

4476
citing authors

#	ARTICLE	IF	CITATIONS
1	Tests of General Relativity from Timing the Double Pulsar. <i>Science</i> , 2006, 314, 97-102.	12.6	817
2	An increased estimate of the merger rate of double neutron stars from observations of a highly relativistic system. <i>Nature</i> , 2003, 426, 531-533.	27.8	806
3	A Double-Pulsar System: A Rare Laboratory for Relativistic Gravity and Plasma Physics. <i>Science</i> , 2004, 303, 1153-1157.	12.6	787
4	The Parkes multi-beam pulsar survey - I. Observing and data analysis systems, discovery and timing of 100 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 17-35.	4.4	534
5	Transient radio bursts from rotating neutron stars. <i>Nature</i> , 2006, 439, 817-820.	27.8	509
6	The International Pulsar Timing Array project: using pulsars as a gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2010, 27, 084013.	4.0	494
7	The Parkes Multibeam Pulsar Survey - VI. Discovery and timing of 142 pulsars and a Galactic population analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 777-800.	4.4	417
8	Swings between rotation and accretion power in a binary millisecond pulsar. <i>Nature</i> , 2013, 501, 517-520.	27.8	355
9	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3341-3380.	4.4	351
10	The High Time Resolution Universe Pulsar Survey - I. System configuration and initial discoveries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 619-627.	4.4	281
11	Relativistic Spin Precession in the Double Pulsar. <i>Science</i> , 2008, 321, 104-107.	12.6	152
12	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	27.8	110
13	THE OUTBURST DECAY OF THE LOW MAGNETIC FIELD MAGNETAR SGR 0418+5729. <i>Astrophysical Journal</i> , 2013, 770, 65.	4.5	109
14	The MeerKAT telescope as a pulsar facility: System verification and early science results from MeerTime. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	108
15	X-ray follow-ups of XSS J12270-4859: a low-mass X-ray binary with gamma-ray Fermi-LAT association. <i>Astronomy and Astrophysics</i> , 2013, 550, A89.	5.1	102
16	The discovery, monitoring and environment of SGR J1935+2154. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3448-3456.	4.4	98
17	Strong-Field Gravity Tests with the Double Pulsar. <i>Physical Review X</i> , 2021, 11, .	8.9	97
18	Where May Ultrafast Rotating Neutron Stars Be Hidden?. <i>Astrophysical Journal</i> , 2001, 560, L71-L74.	4.5	90

#	ARTICLE	IF	CITATIONS
19	X-ray coherent pulsations during a sub-luminous accretion disc state of the transitional millisecond pulsar XSS J12270+4859. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 449, L26-L30.	3.3	82
20	The High Time Resolution Universe Pulsar Survey - III. Single-pulse searches and preliminary analysis. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2465-2476.	4.4	73
21	Tests of gravitational symmetries with pulsar binary J1713+0747. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3249-3260.	4.4	73
22	THE EVOLUTION OF PSR J0737+3039B AND A MODEL FOR RELATIVISTIC SPIN PRECESSION. Astrophysical Journal, 2010, 721, 1193-1205.	4.5	66
23	THE DOUBLE PULSAR: EVIDENCE FOR NEUTRON STAR FORMATION WITHOUT AN IRON CORE-COLLAPSE SUPERNOVA. Astrophysical Journal, 2013, 767, 85.	4.5	65
24	The Lowest-frequency Fast Radio Bursts: Sardinia Radio Telescope Detection of the Periodic FRB 180916 at 328 MHz. Astrophysical Journal Letters, 2020, 896, L40.	8.3	65
25	The Double Pulsar System J0737-3039: Modulation of A by B at Eclipse. Astrophysical Journal, 2004, 616, L131-L134.	4.5	60
26	Long-Term Variations in the Pulse Emission from PSR J0737-3039B. Astrophysical Journal, 2005, 624, L113-L116.	4.5	54
27	OBSERVATIONS AND MODELING OF RELATIVISTIC SPIN PRECESSION IN PSR J1141+6545. Astrophysical Journal, 2010, 710, 1694-1709.	4.5	54
28	The Double Pulsar System J0737-3039: Modulation of the Radio Emission from B by Radiation from A. Astrophysical Journal, 2004, 613, L57-L60.	4.5	48
29	The Mean Pulse Profile of PSR J0737-3039A. Astrophysical Journal, 2005, 621, L49-L52.	4.5	48
30	Eight new millisecond pulsars from the first MeerKAT globular cluster census. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1407-1426.	4.4	47
31	Lunar Gravitational-wave Antenna. Astrophysical Journal, 2021, 910, 1.	4.5	41
32	Multiwavelength observations of the transitional millisecond pulsar binary XSS J12270+4859. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2190-2198.	4.4	38
33	THE OPTICAL COMPANION TO THE BINARY MILLISECOND PULSAR J1824+2452H IN THE GLOBULAR CLUSTER M28. Astrophysical Journal, 2010, 725, 1165-1169.	4.5	37
34	Studying the Solar system with the International Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5501-5516.	4.4	36
35	A Very Young Radio-loud Magnetar. Astrophysical Journal Letters, 2020, 896, L30.	8.3	36
36	The Parkes multibeam pulsar survey - VII. Timing of four millisecond pulsars and the underlying spin-period distribution of the Galactic millisecond pulsar population. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2185-2194.	4.4	35

#	ARTICLE	IF	CITATIONS
37	The fast radio burst FRB 20201124A in a star-forming region: Constraints to the progenitor and multiwavelength counterparts. <i>Astronomy and Astrophysics</i> , 2021, 656, L15.	5.1	30
38	Milliarcsecond Localization of the Repeating FRB 20201124A. <i>Astrophysical Journal Letters</i> , 2022, 927, L3.	8.3	28
39	The relativistic binary programme on MeerKAT: science objectives and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2094-2114.	4.4	27
40	Internal gas models and central black hole in 47 Tucanae using millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 627-638.	4.4	26
41	Spin-down Evolution and Radio Disappearance of the Magnetar PSR J1622-4950. <i>Astrophysical Journal</i> , 2017, 841, 126.	4.5	26
42	X-Ray Emission from the Double Pulsar System J0737-3039. <i>Astrophysical Journal</i> , 2004, 605, L41-L44.	4.5	25
43	The High Time Resolution Universe Pulsar Survey â€“ XVI. Discovery and timing of 40 pulsars from the southern Galactic plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1063-1087.	4.4	20
44	Strong-field tests of gravity with the double pulsar. <i>Annalen Der Physik</i> , 2006, 15, 34-42.	2.4	18
45	The High Time Resolution Universe survey â€“ IX. Polarimetry of long-period pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3557-3572.	4.4	16
46	THE DOUBLE PULSAR ECLIPSES. I. PHENOMENOLOGY AND MULTI-FREQUENCY ANALYSIS. <i>Astrophysical Journal</i> , 2012, 747, 89.	4.5	14
47	The New Magnetar SGR J1830+0645 in Outburst. <i>Astrophysical Journal Letters</i> , 2021, 907, L34.	8.3	14
48	Constraints on the magnetic field in the Galactic halo from globular cluster pulsars. <i>Nature Astronomy</i> , 2020, 4, 704-710.	10.1	13
49	Understanding and improving the timing of PSR J0737+3039B. <i>Astronomy and Astrophysics</i> , 2020, 643, A143.	5.1	10
50	NuSTAR and Parkes observations of the transitional millisecond pulsar binary XSS J12270-4859 in the rotation-powered state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5607-5619.	4.4	9
51	X-Ray and Radio Bursts from the Magnetar 1E 1547.0-5408. <i>Astrophysical Journal</i> , 2021, 907, 7.	4.5	9
52	Pulsars with NenuFAR: Backend and pipelines. <i>Astronomy and Astrophysics</i> , 2021, 652, A34.	5.1	9
53	Two New Black Widow Millisecond Pulsars in M28. <i>Astrophysical Journal</i> , 2022, 927, 126.	4.5	8
54	Discoveries and timing of pulsars in NGC 6440. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1386-1399.	4.4	7

#	ARTICLE	IF	CITATIONS
55	Pulsars in Globular Clusters with the SKA. , 2015, , .		6
56	A Direct Measurement of Sense of Rotation of PSR J0737â€“3039A. Astrophysical Journal, 2018, 853, 73.	4.5	5
57	Evidence of intra-binary shock emission from the redback pulsar PSR J1048+2339. Astronomy and Astrophysics, 2021, 649, A120.	5.1	5
58	The northern cross fast radio burst project â€“ II. Monitoring of repeating FRB 20180916B, 20181030A, 20200120E, and 20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1858-1866.	4.4	4
59	The Location of Young Pulsar PSR J0837â€“2454: Galactic Halo or Local Supernova Remnant?. Astrophysical Journal, 2021, 911, 121.	4.5	2
60	Deep Upper Limit on the Optical Emission during a Hard X-Ray Burst from the Magnetar SGR J1935+2154. Astrophysical Journal Letters, 2022, 925, L16.	8.3	2