

Andrew Melatos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9947219/publications.pdf>

Version: 2024-02-01

40
papers

1,020
citations

567281

15
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

1550
citing authors

#	ARTICLE	IF	CITATIONS
1	Discerning media bias within a network of political allies and opponents: The idealized example of a biased coin. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 590, 126722.	2.6	3
2	An estimate of the stochastic gravitational wave background from the MassiveBlackII simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5241-5250.	4.4	3
3	Vacillating about media bias: Changing one's mind intermittently within a network of political allies and opponents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127829.	2.6	1
4	Parameter estimation of a two-component neutron star model with spin wandering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3113-3127.	4.4	8
5	Deep exploration for continuous gravitational waves at 171–172 Hz in LIGO second observing run data. <i>Physical Review D</i> , 2021, 103, .	4.7	15
6	Search for continuous gravitational waves from ten H.E.S.S. sources using a hidden Markov model. <i>Physical Review D</i> , 2021, 103, .	4.7	11
7	Gradient expansion technique for inhomogeneous, magnetized quark matter. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	2
8	Long-term Statistics of Pulsar Glitches Due to History-dependent Avalanches. <i>Astrophysical Journal</i> , 2021, 917, 1.	4.5	6
9	Search for gravitational waves from five low mass x-ray binaries in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , 2020, 102, .	4.7	18
10	Search for gravitational waves from 12 young supernova remnants with a hidden Markov model in Advanced LIGO's second observing run. <i>Physical Review D</i> , 2020, 102, .	4.7	15
11	Tracking continuous gravitational waves from a neutron star at once and twice the spin frequency with a hidden Markov model. <i>Physical Review D</i> , 2019, 99, .	4.7	7
12	Reconstructing gravitational wave core-collapse supernova signals with dynamic time warping. <i>Physical Review D</i> , 2019, 99, .	4.7	8
13	Directed searches for gravitational waves from ultralight bosons. <i>Physical Review D</i> , 2019, 99, .	4.7	65
14	Search strategies for long gravitational-wave transients: Hidden Markov model tracking and seedless clustering. <i>Physical Review D</i> , 2019, 100, .	4.7	12
15	Application of hidden Markov model tracking to the search for long-duration transient gravitational waves from the remnant of the binary neutron star merger GW170817. <i>Physical Review D</i> , 2019, 99, .	4.7	29
16	Order out of Randomness: Self-Organization Processes in Astrophysics. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	38
17	Phase-Continuous Frequency Line Track-Before-Detect of a Tone With Slow Frequency Variation. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 6434-6442.	5.3	6
18	Causal properties of nonlinear gravitational waves in modified gravity. <i>Physical Review D</i> , 2017, 96, .	4.7	3

#	ARTICLE	IF	CITATIONS
19	Testing modified gravity and no-hair relations for the Kerr-Newman metric through quasiperiodic oscillations of galactic microquasars. <i>Physical Review D</i> , 2016, 93, .	4.7	20
20	Ernst formulation of axisymmetric fields in gravity: Applications to neutron stars and gravitational waves. <i>Physical Review D</i> , 2016, 94, .	4.7	4
21	Magnetars: Properties, Origin and Evolution. <i>Space Sciences Series of ISSI</i> , 2016, , 321-344.	0.0	1
22	Magnetic Field Generation in Stars. <i>Space Sciences Series of ISSI</i> , 2016, , 81-113.	0.0	2
23	Pulsar timing noise and the minimum observation time to detect gravitational waves with pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3293-3300.	4.4	11
24	Models of pulsar glitches. <i>International Journal of Modern Physics D</i> , 2015, 24, 1530008.	2.1	228
25	Memory on multiple time-scales in an Abelian sandpile. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 428, 295-301.	2.6	5
26	Magnetars: Properties, Origin and Evolution. <i>Space Science Reviews</i> , 2015, 191, 315-338.	8.1	156
27	Magnetic Field Generation in Stars. <i>Space Science Reviews</i> , 2015, 191, 77-109.	8.1	50
28	Gravitational Waves from Rapidly Rotating Neutron Stars. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015, , 85-102.	0.3	9
29	Pulsar timing noise from superfluid turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 21-31.	4.4	61
30	Relativistic astrophysics at GR20. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	1
31	Tilted torus magnetic fields in neutron stars and their gravitational wave signatures. <i>Physical Review D</i> , 2013, 88, .	4.7	28
32	Stochastic gravitational wave background from hydrodynamic turbulence in differentially rotating neutron stars. <i>Physical Review D</i> , 2013, 87, .	4.7	41
33	Realistic neutron star constraints on bosonic asymmetric dark matter. <i>Physical Review D</i> , 2013, 87, .	4.7	95
34	Loan and nonloan flows in the Australian interbank network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2867-2882.	2.6	13
35	Laplace transform analysis of a multiplicative asset transfer model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2782-2792.	2.6	1
36	GRAVITATIONAL RADIATION FROM ACCRETING MILLISECOND PULSARS. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	A Coherent, Nonlinear TEM Wave at a Pulsar Wind Termination Shock. AIP Conference Proceedings, 2005, , .	0.4	0
38	Transient radio emission from PSR B1259-63. International Astronomical Union Colloquium, 2000, 177, 529-530.	0.1	0
39	Origin of the Transient, Unpulsed Radio Emission from the PSR B1259-63 Binary System. Astrophysical Journal, 1999, 514, L39-L42.	4.5	24
40	Rapid parameter estimation of a two-component neutron star model with spin wandering using a Kalman filter. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	7