

# Curt Cutler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3391619/publications.pdf>

Version: 2024-02-01

53  
papers

7,282  
citations

109321

35  
h-index

182427

51  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravitational waves from merging compact binaries: How accurately can one extract the binary parameters from the inspiral waveform?. <i>Physical Review D</i> , 1994, 49, 2658-2697.	4.7	1,153
2	Spin-induced orbital precession and its modulation of the gravitational waveforms from merging binaries. <i>Physical Review D</i> , 1994, 49, 6274-6297.	4.7	500
3	The last three minutes: Issues in gravitational-wave measurements of coalescing compact binaries. <i>Physical Review Letters</i> , 1993, 70, 2984-2987.	7.8	431
4	LISA capture sources: Approximate waveforms, signal-to-noise ratios, and parameter estimation accuracy. <i>Physical Review D</i> , 2004, 69, .	4.7	423
5	Angular resolution of the LISA gravitational wave detector. <i>Physical Review D</i> , 1998, 57, 7089-7102.	4.7	422
6	Gravitational waves from hot young rapidly rotating neutron stars. <i>Physical Review D</i> , 1998, 58, .	4.7	367
7	Tidal interactions of inspiraling compact binaries. <i>Astrophysical Journal</i> , 1992, 400, 175.	4.5	354
8	Gravitational waves from neutron stars with large toroidal fields. <i>Physical Review D</i> , 2002, 66, .	4.7	286
9	Deformations of accreting neutron star crusts and gravitational wave emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 902-932.	4.4	267
10	Using LISA extreme-mass-ratio inspiral sources to test off-Kerr deviations in the geometry of massive black holes. <i>Physical Review D</i> , 2007, 75, .	4.7	198
11	Searching for periodic sources with LIGO. <i>Physical Review D</i> , 1998, 57, 2101-2116.	4.7	196
12	Gravitational radiation reaction for bound motion around a Schwarzschild black hole. <i>Physical Review D</i> , 1994, 50, 3816-3835.	4.7	192
13	The effect of viscosity on neutron star oscillations. <i>Astrophysical Journal</i> , 1987, 314, 234.	4.5	189
14	Event rate estimates for LISA extreme mass ratio capture sources. <i>Classical and Quantum Gravity</i> , 2004, 21, S1595-S1606.	4.0	184
15	Ultra-high precision cosmology from gravitational waves. <i>Physical Review D</i> , 2009, 80, .	4.7	179
16	Big Bang Observer and the neutron-star-binary subtraction problem. <i>Physical Review D</i> , 2006, 73, .	4.7	154
17	Gravitational radiation from a particle in circular orbit around a black hole. II. Numerical results for the nonrotating case. <i>Physical Review D</i> , 1993, 47, 1511-1518.	4.7	129
18	Generalized F-statistic: Multiple detectors and multiple gravitational wave pulsars. <i>Physical Review D</i> , 2005, 72, .	4.7	128

#	ARTICLE	IF	CITATIONS
19	LISA detections of massive black hole inspirals: Parameter extraction errors due to inaccurate template waveforms. <i>Physical Review D</i> , 2007, 76, .	4.7	128
20	Ocean g-Modes on Rotating Neutron Stars. <i>Astrophysical Journal</i> , 1996, 460, 827.	4.5	118
21	Confusion noise from LISA capture sources. <i>Physical Review D</i> , 2004, 70, .	4.7	115
22	Massive black-hole binary inspirals: results from the LISA parameter estimation taskforce. <i>Classical and Quantum Gravity</i> , 2009, 26, 094027.	4.0	93
23	Reducing the weak lensing noise for the gravitational wave Hubble diagram using the non-Gaussianity of the magnification distribution. <i>Physical Review D</i> , 2010, 81, .	4.7	89
24	The Mock LISA Data Challenges: from challenge 3 to challenge 4. <i>Classical and Quantum Gravity</i> , 2010, 27, 084009.	4.0	83
25	Counting and confusion: Bayesian rate estimation with multiple populations. <i>Physical Review D</i> , 2015, 91, .	4.7	72
26	Improved stack-slide searches for gravitational-wave pulsars. <i>Physical Review D</i> , 2005, 72, .	4.7	66
27	Damping times for neutron star oscillations. <i>Astrophysical Journal</i> , 1990, 363, 603.	4.5	65
28	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. <i>Classical and Quantum Gravity</i> , 2008, 25, 184026.	4.0	64
29	Gravitational wave damping of neutron star wobble. <i>Physical Review D</i> , 2000, 63, .	4.7	61
30	AN OVERVIEW OF GRAVITATIONAL-WAVE SOURCES. , 2002, , .		57
31	Nonradial Oscillations in Neutron Star Oceans: A Source of Quasi-periodic X-Ray Oscillations?. <i>Astrophysical Journal</i> , 1995, 449, 800.	4.5	55
32	Detectability of intermediate-mass black holes in multiband gravitational wave astronomy. <i>Nature Astronomy</i> , 2020, 4, 260-265.	10.1	52
33	The Crustal Rigidity of a Neutron Star and Implications for PSR B1828 $\hat{\sim}$ 11 and Other Precession Candidates. <i>Astrophysical Journal</i> , 2003, 588, 975-991.	4.5	49
34	Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , 2008, 25, 114037.	4.0	44
35	LISA, binary stars, and the mass of the graviton. <i>Physical Review D</i> , 2003, 67, .	4.7	39
36	Global structure of Gott's two-string spacetime. <i>Physical Review D</i> , 1992, 45, 487-494.	4.7	35

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37	Expanding the LISA Horizon from the Ground. <i>Physical Review Letters</i> , 2018, 121, 251102.	7.8	33
38	Post-Newtonian frequencies for the pulsations of rapidly rotating neutron stars. <i>Astrophysical Journal</i> , 1992, 385, 630.	4.5	32
39	An Overview of the Mock LISA Data Challenges. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	31
40	A three-stage search for supermassive black-hole binaries in LISA data. <i>Classical and Quantum Gravity</i> , 2007, 24, S595-S605.	4.0	25
41	Choptuik scaling in six dimensions. <i>Physical Review D</i> , 1999, 60, .	4.7	19
42	Post-Newtonian effects on the modes of rotating stars. <i>Astrophysical Journal</i> , 1991, 374, 248.	4.5	18
43	Gravitational helioseismology?. <i>Physical Review D</i> , 1996, 54, 1287-1290.	4.7	17
44	The gravitational-wave discovery space of pulsar timing arrays. <i>Physical Review D</i> , 2014, 89, .	4.7	17
45	Outlook for detection of GW inspirals by GRB-triggered searches in the advanced detector era. <i>Physical Review D</i> , 2013, 87, .	4.7	14
46	Gaussianity of LISA's confusion backgrounds. <i>Physical Review D</i> , 2007, 76, .	4.7	12
47	Searches for cosmic-string gravitational-wave bursts in Mock LISA Data. <i>Classical and Quantum Gravity</i> , 2010, 27, 185012.	4.0	12
48	An improved, "phase-relaxed" $F$ -statistic for gravitational-wave data analysis. <i>Physical Review D</i> , 2012, 86, .	4.7	4
49	Gravitational waves from low-mass X-ray binaries: A status report. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	3
50	Model waveform accuracy requirements for the Allen $\chi^2$ discriminator. <i>Physical Review D</i> , 2016, 94, .	4.7	3
51	LISA: Parameter estimation for massive black hole binaries. , 1998, , .		2
52	Sensitivity limits of space-based interferometric gravitational wave observatories from the solar wind. <i>Physical Review D</i> , 2021, 104, .	4.7	2
53	Post-Newtonian Effects on the Oscillations of Rotating Stars. <i>Annals of the New York Academy of Sciences</i> , 1991, 631, 97-109.	3.8	1