

# Benjamin J Owen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

3,779  
citations

26  
h-index

45  
g-index

45  
ext. papers

4,221  
ext. citations

5.2  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
42	Constraints on r-modes and Mountains on Millisecond Neutron Stars in Binary Systems. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 929, L19	7.9	1
41	First searches for gravitational waves from r -modes of the Crab pulsar. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	2
40	Directed searches for continuous gravitational waves from twelve supernova remnants in data from Advanced LIGO's second observing run. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	13
39	How to search for gravitational waves from r-modes of known pulsars. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	18
38	Laser-Induced Acoustic Desorption/Electron Ionization of Amino Acids and Small Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1091-1098	3.5	5
37	Cross-correlation method for intermediate-duration gravitational wave searches associated with gamma-ray bursts. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	11
36	A Fundamental Tandem Mass Spectrometry Study of the Collision-Activated Dissociation of Small Deprotonated Molecules Related to Lignin. <i>ChemSusChem</i> , <b>2016</b> , 9, 3513-3526	8.3	10
35	R-mode frequencies of slowly rotating relativistic neutron stars with realistic equations of state. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	33
34	Characterization of organosolv switchgrass lignin by using high performance liquid chromatography/high resolution tandem mass spectrometry using hydroxide-doped negative-ion mode electrospray ionization. <i>Green Chemistry</i> , <b>2014</b> , 16, 2713-2727	10	69
33	Parameter space metric for 3.5 post-Newtonian gravitational waves from compact binary inspirals. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	8
32	Cleavage and hydrodeoxygenation (HDO) of C-O bonds relevant to lignin conversion using Pd/Zn synergistic catalysis. <i>Chemical Science</i> , <b>2013</b> , 4, 806-813	9.4	262
31	Maximum elastic deformations of relativistic stars. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	113
30	Identification and Counting of Oxygen Functionalities and Alkyl Groups of Aromatic Analytes in Mixtures by Positive-Mode Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry Coupled with High-Performance Liquid Chromatography. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 2975-2989	4.1	11
29	High-performance liquid chromatography/high-resolution multiple stage tandem mass spectrometry using negative-ion-mode hydroxide-doped electrospray ionization for the characterization of lignin degradation products. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6000-7	7.8	85
28	Characterization of model compounds of processed lignin and the lignome by using atmospheric pressure ionization tandem mass spectrometry. <i>Fuel</i> , <b>2012</b> , 95, 634-641	7.1	41
27	Shear modulus of the hadron-quark mixed phase. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	7
26	Differentiation of regioisomeric aromatic ketocarboxylic acids by positive mode atmospheric pressure chemical ionization collision-activated dissociation tandem mass spectrometry in a linear quadrupole ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 670-682	3.5	12

25	Carbon disulfide reagent allows the characterization of nonpolar analytes by atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1924-8	2.2	24
24	Maximum gravitational-wave energy emissible in magnetar flares. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	49
23	How to adapt broad-band gravitational-wave searches for r-modes. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	68
22	Testing gravitational parity violation with coincident gravitational waves and short gamma-ray bursts. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	49
21	Improved time-domain accuracy standards for model gravitational waveforms. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	20
20	How photon astronomy affects searches for continuous gravitational waves. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 204014	3.3	12
19	Constraints on a phenomenologically parametrized neutron-star equation of state. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	45 <sup>0</sup>
18	Conformally curved binary black hole initial data including tidal deformations and outgoing radiation. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	45
17	Model waveform accuracy standards for gravitational wave data analysis. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	158
16	Detectability of periodic gravitational waves by initial interferometers. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S1-S7	3.3	16
15	Binary black hole initial data from matched asymptotic expansions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	50
14	R-modes of accreting hyperon stars as persistent sources of gravitational waves. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	71
13	Observational constraints on hyperons in neutron stars. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	119
12	Maximum elastic deformations of compact stars with exotic equations of state. <i>Physical Review Letters</i> , <b>2005</b> , 95, 211101	7.4	168
11	Effect of hyperon bulk viscosity on neutron-star r-modes. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	124
10	Gravitational radiation from the r-mode instability. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1247-1253	3.3	26
9	Gravitational field and equations of motion of spinning compact binaries to 2.5 post-Newtonian order. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	103
8	Effect of a neutron-star crust on the r-mode instability. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	77

7	Matched filtering of gravitational waves from inspiraling compact binaries: Computational cost and template placement. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	247
6	Gravitational waves from inspiraling compact binaries: Validity of the stationary-phase approximation to the Fourier transform. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	116
5	Second-order rotational effects on the r-modes of neutron stars. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	89
4	Gravitational waves from hot young rapidly rotating neutron stars. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	327
3	Nonprecessional spin-orbit effects on gravitational waves from inspiraling compact binaries to second post-Newtonian order. <i>Physical Review D</i> , <b>1998</b> , 57, 6168-6175	4.9	35
2	Gravitational Radiation Instability in Hot Young Neutron Stars. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4843-4846	4.9	315
1	Search templates for gravitational waves from inspiraling binaries: Choice of template spacing. <i>Physical Review D</i> , <b>1996</b> , 53, 6749-6761	4.9	317