Michel Boer

List of Publications by Citations

323 papers	44,544 citations	72 h-index	209 g-index
361 ext. papers	55,395 ext. citations	5.7 avg, IF	5.11 L-index

#	Paper	IF	Citations
323	Observation of Gravitational Waves from a Binary Black Hole Merger. *Physical Review Letters*, **2016**, 116, 061102	7.4	6108
322	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. *Physical Review Letters*, **2017**, 119, 161101	7.4	4272
321	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. *Physical Review Letters*, **2016**, 116, 241103	7.4	2136
320	Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophysical Journal Letters*, **2017**, 848, L12	7.9	1935
319	The European Photon Imaging Camera on XMM-Newton: The MOS cameras. *Astronomy and Astrophysics*, **2001**, 365, L27-L35	5.1	1650
318	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. *Astrophysical Journal Letters*, **2017**, 848, L13	7.9	1614
317	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. *Physical Review Letters*, **2017**, 118, 221101	7.4	1609
316	Advanced Virgo: a second-generation interferometric gravitational wave detector. *Classical and Quantum Gravity*, **2015**, 32, 024001	3.3	1567
315	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. *Physical Review Letters*, **2017**, 119, 141101	7.4	1270
314	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. *Physical Review X*, **2019**, 9,	9.1	1169
313	GW170817: Measurements of Neutron Star Radii and Equation of State. *Physical Review Letters*, **2018**, 121, 161101	7.4	867
312	Tests of General Relativity with GW150914. *Physical Review Letters*, **2016**, 116, 221101	7.4	837
311	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. *Astrophysical Journal Letters*, **2017**, 851, L35	7.9	809
310	Characterization of the LIGO detectors during their sixth science run. *Classical and Quantum Gravity* , **2015**, 32, 115012	3.3	790
309	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. *Physical Review X*, **2016**, 6,	9.1	723
308	GW190425: Observation of a Compact Binary Coalescence with Total Mass ~ 3.4 M ?. *Astrophysical Journal Letters*, **2020**, 892, L3	7.9	591
307	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. *Astrophysical Journal Letters*, **2020**, 896, L44	7.9	571

306	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
305	Properties of the Binary Black Hole Merger GW150914. *Physical Review Letters*, **2016**, 116, 241102	7.4	515
304	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. *Astrophysical Journal Letters*, **2016**, 818, L22	7.9	512
303	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. *Nature*, **2017**, 551, 67-70	50.4	444
302	Properties of the Binary Neutron Star Merger GW170817. *Physical Review X*, **2019**, 9,	9.1	423
301	GW190521: A Binary Black Hole Merger with a Total Mass of 150 M_{?}. *Physical Review Letters*, **2020**, 125, 101102	7.4	420
300	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
299	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. *Astrophysical Journal Letters*, **2019**, 882, L24	7.9	381
298	Detection of a □ray burst of very long duration and very high energy. *Nature*, **1994**, 372, 652-654	50.4	368
297	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. *Physical Review Letters*, **2016**, 116, 131103	7.4	328
296	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. *Physical Review X*, **2021**, 11,	9.1	311
295	Long-term intravenous treatment of Pompe disease with recombinant human alpha-glucosidase from milk. *Pediatrics*, **2004**, 113, e448-57	7.4	284
294	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. *Physical Review D*, **2019**, 100,	4.9	258
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292	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. *Physical Review D*, **2020**, 102,	4.9	212
291	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. *Astrophysical Journal Letters*, **2016**, 833, L1	7.9	209
290	Properties and Astrophysical Implications of the 150 M ? Binary Black Hole Merger GW190521. *Astrophysical Journal Letters*, **2020**, 900, L13	7.9	207
289	Tests of General Relativity with GW170817. *Physical Review Letters*, **2019**, 123, 011102	7.4	204

288	Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. *Astrophysical Journal Letters*, **2021**, 913, L7	7.9	194
287	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. *Physical Review Letters*, **2016**, 116, 131102	7.4	188
286	Discovery of the short gamma-ray burst GRB 050709. *Nature*, **2005**, 437, 855-8	50.4	186
285	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
284	Global Characteristics of X-Ray Flashes and X-Ray–Rich Gamma-Ray Bursts Observed by HETE-2. *Astrophysical Journal*, **2005**, 629, 311-327	4.7	171
283	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155
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281	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2020**, 23, 3	32.5	144
280	Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. *Astrophysical Journal Letters*, **2021**, 915, L5	7.9	142
279	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121101	7.4	137
278	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. *Physical Review Letters*, **2019**, 123, 231108	7.4	134
277	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. *Astrophysical Journal Letters*, **2017**, 851, L16	7.9	133
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275	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. *Astrophysical Journal Letters*, **2017**, 850, L39	7.9	127
274	THE ULTRA-LONG GAMMA-RAY BURST 111209A: THE COLLAPSE OF A BLUE SUPERGIANT?. *Astrophysical Journal*, **2013**, 766, 30	4.7	126
273	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. *Physical Review Letters*, **2018**, 120, 091101	7.4	120
272	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. *Physical Review D*, **2019**, 100,	4.9	117
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268	The XMM-Newton Serendipitous Survey. *Astronomy and Astrophysics*, **2001**, 365, L51-L59	5.1	99
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262	The THESEUS space mission concept: science case, design and expected performances. *Advances in Space Research*, **2018**, 62, 191-244	2.4	90
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