## **Beverly Berger**

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.  | 7.8  | 8,753     |
| 2  | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.  | 7.8  | 6,413     |
| 3  | Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.   | 8.3  | 2,805     |
| 4  | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence.<br>Physical Review Letters, 2016, 116, 241103.                                  | 7.8  | 2,701     |
| 5  | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A.<br>Astrophysical Journal Letters, 2017, 848, L13.                                | 8.3  | 2,314     |
| 6  | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole<br>Coalescence. Physical Review Letters, 2017, 119, 141101.                               | 7.8  | 1,600     |
| 7  | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.  | 7.8  | 1,473     |
| 8  | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.   | 7.8  | 1,224     |
| 9  | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.   | 8.3  | 968       |
| 10 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.                    | 26.7 | 808       |
| 11 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.  | 8.3  | 633       |
| 12 | Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of<br>Advanced LIGO and Advanced Virgo. Astrophysical Journal Letters, 2019, 882, L24. | 8.3  | 566       |
| 13 | Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. Physical<br>Review Letters, 2019, 123, 231107.  | 7.8  | 359       |
| 14 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary<br>Coalescences. Physical Review Letters, 2018, 120, 091101.                         | 7.8  | 166       |
| 15 | Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. Physical<br>Review Letters, 2019, 123, 161102.   | 7.8  | 119       |
| 16 | Gravitational-wave physics and astronomy in the 2020s and 2030s. Nature Reviews Physics, 2021, 3, 344-366.   | 26.6 | 96        |
| 17 | Approaching the motional ground state of a 10-kg object. Science, 2021, 372, 1333-1336.  | 12.6 | 59        |
| 18 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600.<br>Progress of Theoretical and Experimental Physics, 2022, 2022, .                    | 6.6  | 20        |