

Debatri Chattopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

386
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

346
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of massive binary star and cosmic evolution on gravitational wave observations I: black hole–neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5028-5063. | 4.4 | 83 |
| 2 | Rapid Stellar and Binary Population Synthesis with COMPAS. Astrophysical Journal, Supplement Series, 2022, 258, 34. | 7.7 | 57 |
| 3 | Binary population synthesis with probabilistic remnant mass and kick prescriptions. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1380-1384. | 4.4 | 49 |
| 4 | Impact of massive binary star and cosmic evolution on gravitational wave observations – II. Double compact object rates and properties. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5737-5761. | 4.4 | 47 |
| 5 | Modelling neutron star–black hole binaries: future pulsar surveys and gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3682-3710. | 4.4 | 43 |
| 6 | Modelling double neutron stars: radio and gravitational waves. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1587-1610. | 4.4 | 36 |
| 7 | Linking the rates of neutron star binaries and short gamma-ray bursts. Physical Review D, 2022, 105, . | 4.7 | 21 |
| 8 | Dynamical double black holes and their host cluster properties. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4527-4555. | 4.4 | 13 |
| 9 | Modelling the formation of the first two neutron star–black hole mergers, GW200105 and GW200115: metallicity, chirp masses, and merger remnant spins. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5780-5789. | 4.4 | 12 |
| 10 | COMPAS: A rapid binary population synthesis suite. Journal of Open Source Software, 2022, 7, 3838. | 4.6 | 9 |
| 11 | A study of Kepler supernova remnant: angular power spectrum estimation from radio frequency data. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5866-5875. | 4.4 | 8 |
| 12 | Binary black hole mergers from merged stars in the Galactic field. Physical Review D, 2022, 106, . | 4.7 | 8 |