Bibliography

Aarseth S. J., Heggie D. C., 1976, A&A, 53, 259
Abbott B. P., et al., 2016, Phys. Rev. Lett., 116, 061102
Abbott B. P., et al., 2017, Physical Review Letters, 119, 161101
Abbott B. P., et al., 2018, Living Reviews in Relativity, 21, 3
Abbott B. P., et al., 2019, Physical Review X, 9, 031040
Abbott B. P., et al., 2020, Living Reviews in Relativity, 23, 3
Abbott R., et al., 2021a, Physical Review X, 11, 021053
Abbott R., et al., 2021b, SoftwareX, 13, 100658
Abbott R., et al., 2021c, ApJ, 913, L7
Abbott R., et al., 2023a, Physical Review X, 13, 041039
Abbott R., et al., 2023b, ApJS, 267, 29
Abbott R., et al., 2024, Physical Review D, 109, 022001
Abdurro'uf et al., 2022, ApJS, 259, 35
Acernese F., et al., 2015, Classical and Quantum Gravity, 32, 024001
Ahumada R., et al., 2020, ApJS, 249, 3
Ajith P., et al., 2011, Phys. Rev. Lett., 106, 241101
Akutsu T., et al., 2021, Progress of Theoretical and Experimental Physics, 2021, 05A101
Alfradique V., et al., 2024, MNRAS, 528, 3249
Amaro-Seoane P., et al., 2017, arXiv e-prints, p. arXiv:1702.00786
Antoni A., MacLeod M., Ramirez-Ruiz E., 2019, ApJ, 884, 22
Antonini F., Rasio F. A., 2016, ApJ, 831, 187
Antonini F., Gieles M., Gualandris A., 2019, MNRAS, 486, 5008
Armitage P. J., 2007, arXiv e-prints, pp astro–ph/0701485
Armitage P. J., 2010, Astrophysics of Planet Formation
Ashton G., et al., 2019, Astrophys. J. Suppl., 241, 27
Ashton G., Ackley K., Hernandez I. M., Piotrzkowski B., 2021, Classical and Quantum Gravity, 38, 235004
Aso Y., Michimura Y., Somiya K., Ando M., Miyakawa O., Sekiguchi T., Tatsumi D., Yamamoto H., 2013, Physical Reviews D, 88, 043007
Assef R. J., et al., 2013, ApJ, 772, 26
Astropy Collaboration et al., 2013, A&A, 558, A33
Astropy Collaboration et al., 2018, AJ, 156, 123
Barrera O., Bartos I., 2022, ApJ, 929, L1
Bartos I., 2016a, in American Astronomical Society Meeting Abstracts #228. p. 208.03

Bartos I., 2016b, in American Astronomical Society Meeting Abstracts #228. p. 208.03
Bartos I., Haiman Z., Marka Z., Metzger B. D., Stone N. C., Marka S., 2017a, Nature Communications, 8, 831
Bartos I., Kocsis B., Haiman Z., Márka S., 2017b, ApJ, 835, 165
Bekenstein J. D., 1973, ApJ, 183, 657
Bekki K., Couch W. J., Shioya Y., Vazdekis A., 2005, MNRAS, 359, 949
Belczynski K., et al., 2016, A&A, 594, A97
Belczynski K., Doctor Z., Zevin M., Olejak A., Banerje S., Chattopadhyay D., 2022, ApJ, 935, 126
Bellm E. C., et al., 2019, PASP, 131, 018002
Bellovary J. M., Mac Low M.-M., McKernan B., Ford K. E. S., 2016, ApJ, 819, L17
Binney J., Tremaine S., 2008, Galactic Dynamics: Second Edition
Blanton M. R., et al., 2017, AJ, 154, 28
Bonnor W. B., Rotenberg M. A., 1961, Proceedings of the Royal Society of London Series A, 265, 109
Bowyer S., Byram E. T., Chubb T. A., Friedman H., 1965, Science, 147, 394
Braun J., Dumm J., De Palma F., Finley C., Karle A., Montaruli T., 2008, Astroparticle Physics, 29, 299
Calcino J., Dempsey A. M., Dittmann A. J., Li H., 2023, arXiv e-prints, p. arXiv:2311.13727
Callister T. A., Haster C.-J., Ng K. K. Y., Vitale S., Farr W. M., 2021, ApJ, 922, L5
Campanelli M., Lousto C. O., Zlochower Y., Merritt D., 2007, Phys. Rev. Lett., 98, 231102
Chandrasekhar S., 1943, ApJ, 97, 255
Chattopadhyay D., Stegmann J., Antonini F., Barber J., Romero-Shaw I. M., 2023, MNRAS, 526, 4908
Chen K., Dai Z.-G., 2024, ApJ, 961, 206
Colless M., et al., 2001, MNRAS, 328, 1039
Corley K. R., et al., 2019, MNRAS, 488, 4459
Costa G., Bressan A., Mapelli M., Marigo P., Iorio G., Spera M., 2021, MNRAS, 501, 4514
DeLaurentiis S., Epstein-Martin M., Haiman Z., 2023a, in AAS/High Energy Astrophysics Division. p. 100.30
DeLaurentiis S., Epstein-Martin M., Haiman Z., 2023b, MNRAS, 523, 1126
Dominik M., Belczynski K., Fryer C., Holz D. E., Berti E., Bulik T., Mandel I., O'Shaughnessy R., 2012, ApJ, 759, 52

Einstein A., 1915, Sitzungsberichte der Königlich Preußischen Akademie der Wissenschaften, pp 844–847
El-Badry K., et al., 2023a, MNRAS, 518, 1057
El-Badry K., et al., 2023b, MNRAS, 521, 4323
Fabj G., Samsing J., 2024, arXiv e-prints, p. arXiv:2402.16948
Fabj G., Nasim S. S., Caban F., Ford K. E. S., McKernan B., Bellovary J. M., 2020, MNRAS, 499, 2608
Farag E., Renzo M., Farmer R., Chidester M. T., Timmes F. X., 2022, ApJ, 937, 112
Farmer R., Renzo M., de Mink S. E., Marchant P., Justham S., 2019, ApJ, 887, 53
Ferrarese L., et al., 2006, ApJ, 644, L21
Fishbach M., Kimball C., Kalogera V., 2022, ApJ, 935, L26
Flesch E. W., 2021, VizieR Online Data Catalog, p. VII/290
Flesch E. W., 2023, The Open Journal of Astrophysics, 6, 49
Ford K. E. S., McKernan B., 2022, MNRAS, 517, 5827
Ford K. E. S., et al., 2019, Bulletin of the AAS, 51, 247
Fraley G. S., 1967, PhD thesis, California Institute of Technology
Fumagalli G., Romero-Shaw I., Gerosa D., De Renzis V., Kritos K., Olejak A., 2024, arXiv e-prints, p. arXiv:2405.14945
Gaia Collaboration et al., 2016, A&A, 595, A1
Gaia Collaboration et al., 2023, A&A, 674, A1
Gaia Collaboration et al., 2024, arXiv e-prints, p. arXiv:2404.10486
Gair J. R., et al., 2023, AJ, 166, 22
Gayathri V., Yang Y., Tagawa H., Haiman Z., Bartos I., 2021, arXiv e-prints, p. arXiv:2104.10253
Gayathri V., Wysocki D., Yang Y., Shaughnessy R. O., Haiman Z., Tagawa H., Bartos I., 2023, arXiv e-prints, p. arXiv:2301.04187
Gerosa D., Berti E., 2017, Physical Reviews D, 95, 124046
Gerosa D., Berti E., 2019, Physical Review D, 100, 041301
Gerosa D., Fishbach M., 2021, Nature Astronomy, 5, 749
Ghez A. M., et al., 2008, ApJ, 689, 1044
Goldreich P., Tremaine S., 1979, ApJ, 233, 857
Gondán L., Kocsis B., 2021, arXiv e-prints, p. arXiv:2110.09540
Graham M. J., et al., 2019, PASP, 131, 078001
Graham M. J., et al., 2020, Phys. Rev. Lett., 124, 251102
Graham M. J., et al., 2023, ApJ, 942, 99
Gratton R., Bragaglia A., Carretta E., D'Orazi V., Lucatello S., Sollima A., 2019, A&A Rev., 27, 8

Grishin E., Gilbaum S., Stone N. C., 2024, MNRAS, 530, 2114
Hall E. D., Evans M., 2019, Classical and Quantum Gravity, 36, 225002
Harris C. R., et al., 2020, Nature, 585, 357
Heger A., Woosley S. E., 2002, ApJ, 567, 532
Heger A., Fryer C. L., Woosley S. E., Langer N., Hartmann D. H., 2003, ApJ, 591, 288
Heggie D. C., 1973, PhD thesis, University of Cambridge, UK
Hills J. G., Fullerton L. W., 1980, AJ, 85, 1281
Hopkins P. F., Richards G. T., Hernquist L., 2007, ApJ, 654, 731
Hunter J. D., 2007, Computing in Science and Engineering, 9, 90
Husa S., Khan S., Hannam M., Pürrer M., Ohme F., Forteza X. J., Bohé A., 2016, Physical Reviews D, 93, 044006
Ivanova N., Justham S., Ricker P., 2020, Common Envelope Evolution, doi:10.1088/2514-3433/abb6f0.
Ivezić Ž., et al., 2019, ApJ, 873, 111
Jiménez M. A., Masset F. S., 2017, MNRAS, 471, 4917
Kagra Collaboration et al., 2019, Nature Astronomy, 3, 35
Karathanasis C., Mukherjee S., Mastrogiovanni S., 2022, arXiv e-prints, p. arXiv:2204.13495
Kerr R. P., 1963, Phys. Rev. Lett., 11, 237
Khan S., Husa S., Hannam M., Ohme F., Pürrer M., Forteza X. J., Bohé A., 2016, Physical Reviews D, 93, 044007
Kocsis B., 2013, ApJ, 763, 122
Kollmeier J., et al., 2019, in Bulletin of the American Astronomical Society. p. 274
Kritos K., Berti E., Silk J., 2022, arXiv e-prints, p. arXiv:2212.06845
Kulkarni G., Worseck G., Hennawi J. F., 2019, MNRAS, 488, 1035
LIGO Scientific Collaboration et al., 2015, Classical and Quantum Gravity, 32, 074001
Lada C. J., Lada E. A., 2003, ARA&A, 41, 57
Lamontagne R., Demers S., Wesemael F., Fontaine G., Irwin M. J., 2000, AJ, 119, 241
Lang D., 2014, AJ, 147, 108
Li G.-P., 2022, arXiv e-prints, p. arXiv:2202.09961
Li R., Lai D., 2022, MNRAS, 517, 1602
Li R., Lai D., 2023a, arXiv e-prints, p. arXiv:2303.12207
Li R., Lai D., 2023b, MNRAS, 522, 1881
Li G.-P., Lin D.-B., Yuan Y., 2022, arXiv e-prints, p. arXiv:2211.11150

Liu H.-Y., Liu W.-J., Dong X.-B., Zhou H., Wang T., Lu H., Yuan W., 2019, ApJS, 243, 21
Loeb A., 2016, ApJ, 819, L21
Lyke B. W., et al., 2020, ApJS, 250, 8
Lyra W., Paardekooper S.-J., Mac Low M.-M., 2010, ApJ, 715, L68
Maggiore M., et al., 2020, Journal of Cosmology and Astroparticle Physics, 2020, 050
Mahapatra P., Gupta A., Favata M., Arun K. G., Sathyaprakash B. S., 2022, arXiv e-prints, p. arXiv:2209.05766
Mahapatra P., Chattopadhyay D., Gupta A., Favata M., Sathyaprakash B. S., Arun K. G., 2024, in 42nd meeting of the Astronomical Society of India (ASI. p. O42
Mandel I., de Mink S. E., 2016, MNRAS, 458, 2634
Mangiagli A., et al., 2020, Physical Reviews D, 102, 084056
Mapelli M., 2021, in , Handbook of Gravitational Wave Astronomy. p. 16, doi:10.1007/978-981-15-4702-7_16-1
Mapelli M., Santoliquido F., Bouffanais Y., Arca Sedda M. A., Artale M. C., Ballone A., 2021, Symmetry, 13, 1678
Marchant P., Langer N., Podsiadlowski P., Tauris T. M., Moriya T. J., 2016, A&A, 588, A50
Masci F. J., Cutri R. M., Francis P. J., Nelson B. O., Huchra J. P., Heath Jones D., Colless M., Saunders W., 2010, PASA, 27, 302
Masci F. J., et al., 2023, arXiv e-prints, p. arXiv:2305.16279
Mauch T., Sadler E. M., 2007, VizieR Online Data Catalog, p. J/MNRAS/375/931
McKernan B., Ford K. E. S., Lyra W., Perets H. B., Winter L. M., Yaqoob T., 2011, MNRAS, 417, L103
McKernan B., Ford K. E. S., Lyra W., Perets H. B., 2012, MNRAS, 425, 460
McKernan B., Ford K. E. S., Bellovary J., Leigh N., Metzger B., Haiman Z., O'Dowd M., Mac Low M., 2018, in American Astronomical Society Meeting Abstracts #231. p. 325.05
McKernan B., et al., 2019, ApJ, 884, L50
McKernan B., Ford K. E. S., O'Shaugnessy R., Wysocki D., 2020, MNRAS, 494, 1203
McKernan B., Ford K. E. S., Callister T., Farr W. M., O'Shaughnessy R., Smith R., Thrane E., Vajpeyi A., 2022a, MNRAS, 514, 3886
McKernan B., Ford K. E. S., Cantiello M., Graham M., Jermyn A. S., Leigh N. W. C., Ryu T., Stern D., 2022b, MNRAS, 514, 4102
Meisner A. M., Lang D., Schlafly E. F., Schlegel D. J., 2019, PASP, 131, 124504

Merloni A., et al., 2014, MNRAS, 437, 3550
Monaghan J. J., 1976, MNRAS, 177, 583
Monroe T. R., Prochaska J. X., Tejos N., Worseck G., Hennawi J. F., Schmidt T., Tumlinson J., Shen Y., 2016, AJ, 152, 25
Nasim S. S., et al., 2023, MNRAS, 522, 5393
Neumayer N., Seth A., Böker T., 2020, A&A Rev., 28, 4
Newman E. T., Couch E., Chinnapared K., Exton A., Prakash A., Torrence R., 1965, Journal of Mathematical Physics, 6, 918
Newton I., 1687, Philosophiae Naturalis Principia Mathematica., doi:10.3931/e-rara-440.
Ostriker J. P., 1983, ApJ, 273, 99
Ostriker E. C., 1999, ApJ, 513, 252
Paardekooper S. J., Mellema G., 2006, A&A, 459, L17
Paardekooper S. J., Baruteau C., Crida A., Kley W., 2010, MNRAS, 401, 1950
Paczynski B., 1986, ApJ, 304, 1
Paczynski B., 1996, ARA&A, 34, 419
Palenzuela C., Lehner L., Yoshida S., 2010, Physical Reviews D, 81, 084007
Paturel G., Petit C., Prugniel P., Theureau G., Rousseau J., Brouty M., Dubois P., Cambrésy L., 2003, A&A, 412, 45
Peng P., Chen X., 2021, MNRAS, 505, 1324
Penrose R., 1965, Phys. Rev. Lett., 14, 57
Peters P. C., 1964, Physical Review, 136, 1224
Petrov P., et al., 2022, ApJ, 924, 54
Pieroni M., Ricciardone A., Barausse E., 2022, Scientific Reports, 12, 17940
Planck Collaboration et al., 2016, A&A, 594, A13
Planck Collaboration et al., 2020, A&A, 641, A6
Portegies Zwart S. F., McMillan S. L. W., Gieles M., 2010, ARA&A, 48, 431
Pratten G., et al., 2021, Physical Reviews D, 103, 104056
Qian K., Li J., Lai D., 2024, ApJ, 962, 143
Qin Y., et al., 2022, ApJ, 941, 179
Reitze D., et al., 2019, in Bulletin of the American Astronomical Society. p. 35 (arXiv:1907.04833), doi:10.48550/arXiv.1907.04833
Richards G. T., et al., 2002, AJ, 123, 2945
Richards G. T., et al., 2006, ApJS, 166, 470
Rizzuto F. P., Naab T., Spurzem R., Arca-Sedda M., Giersz M., Ostriker J. P., Banerjee S., 2021, arXiv e-prints, p. arXiv:2108.11457
Robinson I., Schild A., Schucking E., 1965, Quasi - Stellar Sources and Gravitational Collapse. Including the Proceedings of the 1st Texas Symposium

on Relativistic Astrophysics. Dallas. 16-18 December, 1963. Chicago, https://books.google.nl/books?id=CMyWXwAACAAJ
Rodriguez C. L., Loeb A., 2018, ApJ, 866, L5
Rodríguez-Ramírez J. C., Bom C. R., Fraga B., Nemmen R., 2024, MNRAS, 527, 6076
Rodriguez C. L., Chatterjee S., Rasio F. A., 2016, Physical Reviews D, 93, 084029
Rodriguez C. L., Kremer K., Chatterjee S., Fragione G., Loeb A., Rasio F. A., Weatherford N. C., Ye C. S., 2021, Research Notes of the American Astronomical Society, 5, 19
Romero-Shaw I., Lasky P. D., Thrane E., 2021, ApJ, 921, L31
Romero-Shaw I., Lasky P. D., Thrane E., 2022, ApJ, 940, 171
Rowan C., Boekholt T., Kocsis B., Haiman Z., 2023, MNRAS, 524, 2770
Rowan C., Whitehead H., Boekholt T., Kocsis B., Haiman Z., 2024, MNRAS, 527, 10448
Runnoe J. C., Brotherton M. S., Shang Z., 2012, MNRAS, 422, 478
Samsing J., 2018, Physical Review D, 97, 103014
Samsing J., et al., 2020, arXiv e-prints, p. arXiv:2010.09765
Samsing J., et al., 2022, Nature, 603, 237
Santini A., Gerosa D., Cotesta R., Berti E., 2023, Physical Review D, 108, 083033
Schellart P., 2013, K3Match: Point matching in 3D space (ascl:1307.003)
Schlafly E. F., Meisner A. M., Green G. M., 2019, ApJS, 240, 30
Schödel R., et al., 2002, Nature, 419, 694
Schutz B. F., 1986, Nature, 323, 310
Schwarzschild K., 1916, Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften, pp 189–196
Secunda A., Bellovary J., Mac Low M.-M., Ford K. E. S., McKernan B., Leigh N. W. C., Lyra W., Sándor Z., 2019, ApJ, 878, 85
Shipman H. L., 1975, Astrophysical Letters, 16, 9
Singer L. P., Price L. R., 2016, Physical Reviews D, 93, 024013
Somiya K., 2012, Classical and Quantum Gravity, 29, 124007
Spera M., Mapelli M., Giacobbo N., Trani A. A., Bressan A., Costa G., 2019, MNRAS, 485, 889
Stern D., et al., 2012, ApJ, 753, 30
Stevenson S., Clarke T. A., 2022, MNRAS, 517, 4034
Stone N., 2017, in APS April Meeting Abstracts. p. S14.002
Stone N. C., Leigh N. W. C., 2019, Nature, 576, 406
Stone N. C., Metzger B. D., Haiman Z., 2017, MNRAS, 464, 946

Storey-Fisher K., Hogg D. W., Rix H.-W., Eilers A.-C., Fabbian G., Blanton M. R., Alonso D., 2024, ApJ, 964, 69
Strauss M. A., et al., 2002, AJ, 124, 1810
Syer D., Clarke C. J., Rees M. J., 1991, MNRAS, 250, 505
Tagawa H., Haiman Z., Kocsis B., 2020, ApJ, 898, 25
Tagawa H., Haiman Z., Bartos I., Kocsis B., Omukai K., 2021, MNRAS, 507, 3362
Tagawa H., Kimura S. S., Haiman Z., Perna R., Tanaka H., Bartos I., 2022, ApJ, 927, 41
Tagawa H., Kimura S. S., Haiman Z., Perna R., Bartos I., 2023, ApJ, 950, 13
Tagawa H., Kimura S. S., Haiman Z., Perna R., Bartos I., 2024, ApJ, 966, 21
Tanikawa A., Susa H., Yoshida T., Trani A. A., Kinugawa T., 2021, ApJ, 910, 30
Tesch F., Engels D., 2000, MNRAS, 313, 377
The LIGO Scientific Collaboration et al., 2021, arXiv e-prints, p. arXiv:2111.03634
Trani A. A., Quaini S., Colpi M., 2024, A&A, 683, A135
Ueda Y., Akiyama M., Hasinger G., Miyaji T., Watson M. G., 2014, ApJ, 786, 104
Vajpeyi A., Thrane E., Smith R., McKernan B., Saavik Ford K. E., 2022, ApJ, 931, 82
Veronesi N., Rossi E. M., van Velzen S., Buscicchio R., 2022, MNRAS, 514, 2092
Veronesi N., Rossi E. M., van Velzen S., 2023, MNRAS, 526, 6031
Veronesi N., van Velzen S., Rossi E. M., 2024, arXiv e-prints, p. arXiv:2405.05318
Virtanen P., et al., 2020, Nature Methods, 17, 261
Vitale S., Evans M., 2017, Physical Reviews D, 95, 064052
Wang J.-M., Liu J.-R., Ho L. C., Li Y.-R., Du P., 2021a, arXiv e-prints, p. arXiv:2106.07334
Wang Y.-Z., Fan Y.-Z., Tang S.-P., Qin Y., Wei D.-M., 2021b, arXiv e-prints, p. arXiv:2110.10838
Wang J.-M., Liu J.-R., Ho L. C., Li Y.-R., Du P., 2021c, ApJ, 916, L17
Wang Y., McKernan B., Ford K. E. S., Perna R., Leigh N., Mac Low M.-M., 2022, in AAS/Division of Dynamical Astronomy Meeting. p. 300.01
Wei J. Y., Xu D. W., Dong X. Y., Hu J. Y., 1999, A&AS, 139, 575
Woosley S. E., 2019, ApJ, 878, 49
Woosley S. E., Heger A., 2021, ApJ, 912, L31
Wright E. L., et al., 2010, AJ, 140, 1868

Wu Q., Shen Y., 2022, ApJS, 263, 42
Yang Y., et al., 2019, Phys. Rev. Lett., 123, 181101
Yang Y., Bartos I., Haiman Z., Kocsis B., Márka S., Tagawa H., 2020, ApJ, 896, 138
York D. G., et al., 2000, AJ, 120, 1579
Zevin M., Bavera S. S., 2022, ApJ, 933, 86
Ziosi B. M., Mapelli M., Branchesi M., Tormen G., 2014, MNRAS, 441, 3703
Zonca A., Singer L., Lenz D., Reinecke M., Rosset C., Hivon E., Gorski K., 2019, Journal of Open Source Software, 4, 1298
de Mink S. E., Mandel I., 2016, MNRAS, 460, 3545
van Velzen S., et al., 2024, MNRAS, 529, 2559