

Abbas Askar

List of Publications by Year in descending order

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39
papers

2,027
citations

394421

19
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
2	MOCCA-SURVEY Database â€“ I. Coalescing binary black holes originating from globular clusters. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 464, L36-L40.	3.3	252
3	The dragon simulations: globular cluster evolution with a million stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1450-1465.	4.4	192
4	MOCCA code for star cluster simulations â€“ IV. A new scenario for intermediate mass black hole formation in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3150-3165.	4.4	176
5	A stellar census in globular clusters with MUSE: Binaries in NGC 3201. <i>Astronomy and Astrophysics</i> , 2019, 632, A3.	5.1	116
6	mocca-survey Database I: Galactic globular clusters harbouring a black hole subsystem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1844-1854.	4.4	93
7	MOCCA-SURVEY Database. I. Eccentric Black Hole Mergers during Binaryâ€“Single Interactions in Globular Clusters. <i>Astrophysical Journal</i> , 2018, 855, 124.	4.5	89
8	The origin of the first neutron star â€“ neutron star merger. <i>Astronomy and Astrophysics</i> , 2018, 615, A91.	5.1	85
9	MOCCA-Survey Database â€“ I. Unravelling black hole subsystems in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4652-4664.	4.4	83
10	Binary black hole mergers from globular clusters: the impact of globular cluster properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5645-5656.	4.4	58
11	mocca survey data baseâ€“ i. Dissolution of tidally filling star clusters harbouring black hole subsystems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2412-2423.	4.4	42
12	MOCCA-SURVEY database I. Accreting white dwarf binary systems in globular clusters â€“ IV. Cataclysmic variables â€“ properties of bright and faint populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 315-331.	4.4	40
13	On the initial binary population for star cluster simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2812-2828.	4.4	38
14	MOCCA-SURVEY Database I: Assessing GW kick retention fractions for BHâ€“BH mergers in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2168-2179.	4.4	35
15	Single-single gravitational-wave captures in globular clusters: Eccentric deci-Hertz sources observable by DECIGO and Tian-Qin. <i>Physical Review D</i> , 2020, 101, .	4.7	35
16	MOCCA-SURVEY database I. Accreting white dwarf binary systems in globular clusters â€“ I. Cataclysmic variables â€“ present-day population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2950-2969.	4.4	30
17	Preparing the next gravitational million-body simulations: evolution of single and binary stars in <code><tt><scp>nbody6++gpu</scp></tt></code> , <code><tt><scp>mocca</scp></tt></code> , and <code><tt><scp>mcluster</scp></tt></code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4060-4089.	4.4	24
18	MOCCA-SURVEY Database I: Is NGCâ€“6535 a dark star cluster harbouring an IMBH?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3090-3100.	4.4	21

#	ARTICLE	IF	CITATIONS
19	mocca-survey Database I: Binary black hole mergers from globular clusters with intermediate mass black holes. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4287-4294.	4.4	21
20	The dynamical origin of multiple populations in intermediate-age clusters in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2017, 472, 67-77.	4.4	20
21	mocca-SURVEY database I. Accreting white dwarf binary systems in globular clusters â€“ III. Cataclysmic variables â€“ implications of model assumptions. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2429-2446.	4.4	20
22	Prospects for detection of intermediate-mass black holes in globular clusters using integrated-light spectroscopy. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4057-4066.	4.4	15
23	Formation of supermassive black holes in galactic nuclei â€“ I. Delivering seed intermediate-mass black holes in massive stellar clusters. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2682-2700.	4.4	15
24	Dynamical modelling of globular clusters: challenges for the robust determination of IMBH candidates. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4646-4665.	4.4	14
25	MOCCA-SURVEY database I. Accreting white dwarf binary systems in globular clusters â€“ II. Cataclysmic variables â€“ progenitors and population at birth. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4077-4095.	4.4	13
26	Finding black holes with black boxes â€“ using machine learning to identify globular clusters with black hole subsystems. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5345-5362.	4.4	13
27	MOCCA-SURVEY data base II â€“ Properties of intermediate mass black holes escaping from star clusters. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5879-5889.	4.4	9
28	Formation of supermassive black holes in galactic nuclei â€“ II. Retention and growth of seed intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2631-2647.	4.4	6
29	MOCCA-survey data base: extra galactic globular clusters â€“ II. Milky Way and Andromeda. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5751-5766.	4.4	6
30	Using binaries in globular clusters to catch sight of intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4385-4398.	4.4	5
31	COCOA Code for Creating Mock Observations of Star Cluster Models. Monthly Notices of the Royal Astronomical Society, 2018, , .	4.4	3
32	Stellar-mass Black Holes in Globular Clusters: Dynamical consequences and observational signatures. Proceedings of the International Astronomical Union, 2019, 14, 395-399.	0.0	2
33	The ecology of the galactic centre: Nuclear stellar clusters and supermassive black holes. Proceedings of the International Astronomical Union, 2019, 14, 80-83.	0.0	2
34	MOCCA-SURVEY Database I: Dissolution of tidally filling star clusters harboring black hole subsystem. Proceedings of the International Astronomical Union, 2019, 14, 438-441.	0.0	1
35	Are most Cataclysmic Variables in Globular Clusters dynamically formed?. Proceedings of the International Astronomical Union, 2019, 14, 404-407.	0.0	1
36	Monte Carlo modeling of globular star clusters: many primordial binaries and IMBH formation. Proceedings of the International Astronomical Union, 2014, 10, 213-222.	0.0	0

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37	MOCCA code for star cluster simulation: comparison with optical observations using COCOA. Proceedings of the International Astronomical Union, 2014, 10, 262-263.	0.0	0
38	BEANS “ distributed data analysis for numerical simulations. Proceedings of the International Astronomical Union, 2019, 14, 460-463.	0.0	0
39	MOCCA survey database I. BHs in star clusters. , 2022, , .		0