Michiko Fujii

List of Publications by Year
in descending order

56 papers	1,624 citations	279798 23 h-index	302126 39 g-index
57 all docs	57 docs citations	57 times ranked	1731 citing authors

#	Article	IF	Citations
1	A multiphysics and multiscale software environment for modeling astrophysical systems. New Astronomy, 2009, 14, 369-378.	1.8	146
2	The Origin of OB Runaway Stars. Science, 2011, 334, 1380-1383.	12.6	129
3	THE DYNAMICS OF SPIRAL ARMS IN PURE STELLAR DISKS. Astrophysical Journal, 2011, 730, 109.	4.5	127
4	BRIDGE: A Direct-Tree Hybrid N-Body Algorithm for Fully Self-Consistent Simulations of Star Clusters and Their Parent Galaxies. Publication of the Astronomical Society of Japan, 2007, 59, 1095-1106.	2.5	99
5	ENRICHMENT OFr-PROCESS ELEMENTS IN DWARF SPHEROIDAL GALAXIES IN CHEMO-DYNAMICAL EVOLUTION MODEL. Astrophysical Journal, 2015, 814, 41.	4.5	99
6	Formation of intermediate-mass black holes through runaway collisions in the first star clusters. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1677-1684.	4.4	69
7	Gravitational-wave emission from binary black holes formed in open clusters. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3942-3950.	4.4	64
8	THE FORMATION AND DYNAMICAL EVOLUTION OF YOUNG STAR CLUSTERS. Astrophysical Journal, 2016, 817, 4.	4.5	61
9	THE FORMATION OF YOUNG DENSE STAR CLUSTERS THROUGH MERGERS. Astrophysical Journal, 2012, 753, 85.	4.5	52
10	Dynamical Friction on Satellite Galaxies. Publication of the Astronomical Society of Japan, 2006, 58, 743-752.	2.5	46
11	Merger rate density of binary black holes formed in open clusters. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4268-4278.	4.4	44
12	24.77 Pflops on a Gravitational Tree-Code to Simulate the Milky Way Galaxy with 18600 GPUs. , 2014, , .		41
13	The initial mass function of star clusters that form in turbulent molecular clouds. Monthly Notices of the Royal Astronomical Society, 2015, 449, 726-740.	4.4	35
14	THE SCALING RELATIONS AND STAR FORMATION LAWS OF MINI-STARBURST COMPLEXES. Astrophysical Journal, 2016, 833, 23.	4.5	35
15	The detection rates of merging binary black holes originating from star clusters and their mass function. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	35
16	KINEMATICS OF CLASSICAL CEPHEIDS IN THE NUCLEAR STELLAR DISK. Astrophysical Journal, 2015, 799, 46.	4.5	34
17	Early chemo-dynamical evolution of dwarf galaxies deduced from enrichment ofr-process elements. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2474-2487.	4.4	32
18	PENTACLE: Parallelized particleâ€“particle particle-tree code for planet formation. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	31

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19	Formation of the First Star Clusters and Massive Star Binaries by Fragmentation of Filamentary Primordial Gas Clouds. Astrophysical Journal, 2018, 855, 17.	4.5	31
20	Survival rates of planets in open clusters: the Pleiades, Hyades, and Praesepe clusters. Astronomy and Astrophysics, 2019, 624, A110.	5.1	31
21	Modelling the Milky Way as a dry Galaxy. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1983-2015.	4.4	29
22	The moment of core collapse in star clusters with a mass function. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1003-1014.	4.4	28
23	The growth of massive stars via stellar collisions in ensemble star clusters. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1018-1029.	4.4	26
24	Growth of intermediate mass black holes by tidal disruption events in the first star clusters. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4665-4677.	4.4	26
25	The Keplerian Three-body Encounter. I. Insights on the Origin of the S-stars and the G-objects in the Galactic Center. Astrophysical Journal, 2019, 875, 42.	4.5	25
26	Formation of young massive clusters from turbulent molecular clouds. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	24
27	The dynamics of stellar discs in live dark-matter haloes. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1451-1471.	4.4	24
28	SIRIUS project. I. Star formation models for star-by-star simulations of star clusters and galaxy formation. Publication of the Astronomical Society of Japan, 2021, 73, 1036-1056.	2.5	22
29	Trimodal structure of Hercules stream explained by originating from bar resonances. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2416-2425.	4.4	21
30	Gaiaâ€™s detectability of black holeâ€“main sequence star binaries formed in open clusters. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	20
31	Spin misalignment of black hole binaries from young star clusters: implications for the origin of gravitational waves events. Monthly Notices of the Royal Astronomical Society, 2021, 504, 910-919.	4.4	18
32	Dippers from the TESS Full-frame Images. I. Results of the First One Year Data and Discovery of a Runaway Dipper. Astrophysical Journal, Supplement Series, 2020, 251, 18.	7.7	18
33	The Keplerian Three-body Encounter. II. Comparisons with Isolated Encounters and Impact on Gravitational Wave Merger Timescales. Astrophysical Journal, 2019, 885, 135.	4.5	16
34	SIRIUS project. III. Star-by-star simulations of star cluster formation using a direct N -body integrator with stellar feedback. Publication of the Astronomical Society of Japan, 2021, 73, 1074-1099.	2.5	16
35	SIRIUS project. II. A new tree-direct hybrid code for smoothed particle hydrodynamics/N-body simulations of star clusters. Publication of the Astronomical Society of Japan, 2021, 73, 1057-1073.	2.5	14
36	Impact of initial mass functions on the dynamical channel of gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5778-5787.	4.4	12

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37	The impact of primordial binary on the dynamical evolution of intermediate massive star clusters. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4713-4722.	4.4	11
38	Destruction of star clusters due to the radial migration in spiral galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2012, , no-no.	3.3	7
39	Formation rate of LB-1-like systems through dynamical interactions. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	7
40	Kinematics of subclusters in star cluster complexes: imprint of their parental molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3019-3026.	4.4	5
41	Radial-velocity search and statistical studies for short-period planets in the Pleiades open cluster. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	5
42	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3
43	Impact of bar resonances in the velocityâ€“space distribution of the solar neighbourhood stars in a self-consistentN-body Galactic disc simulation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 460-469.	4.4	3
44	Galactic scale star formation: Interplay between stellar spirals and the ISM. Proceedings of the International Astronomical Union, 2010, 6, 363-370.	0.0	1
45	Formation of young massive clusters from turbulent molecular clouds. Proceedings of the International Astronomical Union, 2015, 12, 25-30.	0.0	1
46	SIRIUS Project â€“ IV. The formation history of the Orion Nebula Cluster driven by clump mergers. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2513-2526.	4.4	1
47	Star Cluster Migration Near the Galactic Center. Proceedings of the International Astronomical Union, 2009, 5, 329-329.	0.0	0
48	Chemo-dynamical evolution model: Enrichment of r-process elements in the Local Group dwarf galaxies. Proceedings of the International Astronomical Union, 2015, 11, 308-309.	0.0	0
49	Astrophysical site(s) ofr-process elements in galactic chemodynamical evolution model. EPJ Web of Conferences, 2016, 109, 02001.	0.3	0
50	Enrichment of Heavy Elements in Chemo-Dynamical Simulations of Dwarf Galaxies. Proceedings of the International Astronomical Union, 2018, 14, 197-200.	0.0	0
51	Inter-cluster velocity structures of star cluster complexes. Proceedings of the International Astronomical Union, 2019, 14, 197-199.	0.0	0
52	Unexpectedly high formation rate of merging binary black holes in open clusters. Proceedings of the International Astronomical Union, 2019, 14, 204-207.	0.0	0
53	Growth of intermediate mass black holes in first star clusters. Proceedings of the International Astronomical Union, 2019, 14, 220-223.	0.0	0
54	Formation of binary black holes in star clusters as gravitational wave sources. Journal of Physics: Conference Series, 2020, 1468, 012223.	0.4	0

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55	Chemo-Dynamical Evolution of r-process Elements in the Local Group Galaxies. , 2017, , .		0
56	Predicting the Expansion of Supernova Shells for High-Resolution Galaxy Simulations Using Deep Learning. Journal of Physics: Conference Series, 2022, 2207, 012050.	0.4	0