

Michael Fellhauer

List of Publications by Year in descending order

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82
papers

5,757
citations

147801

31
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74163

75
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84
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84
docs citations

84
times ranked

3275
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar collisions in flattened and rotating Population III star clusters. <i>Astronomy and Astrophysics</i> , 2021, 649, A160.	5.1	14
2	Are hierarchically formed embedded star clusters surviving gas expulsion depending on their initial conditions?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5410-5424.	4.4	3
3	Dwarfs in the Milky Way halo outer rim: first infall or backsplash satellites?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3601-3622.	4.4	9
4	Modelling the Canes Venatici I dwarf spheroidal galaxy. <i>Astronomy and Astrophysics</i> , 2020, 633, A91.	5.1	1
5	Formation of SMBH seeds in Population III star clusters through collisions: the importance of mass loss. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2352-2362.	4.4	21
6	The effects of a background potential in star cluster evolution. <i>Astronomy and Astrophysics</i> , 2020, 639, A92.	5.1	13
7	The formation of compact dwarf ellipticals through merging star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2746-2754.	4.4	6
8	Formation of massive seed black holes via collisions and accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 366-380.	4.4	59
9	Formation and evolution of substructures in tidal tails: spherical dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1869-1876.	4.4	2
10	A possible formation scenario for dwarf spheroidal galaxies “ III. Adding star formation histories to the fiducial model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5015-5025.	4.4	4
11	Collisions in primordial star clusters. <i>Astronomy and Astrophysics</i> , 2018, 614, A14.	5.1	55
12	Gas expulsion in highly substructured embedded star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5341-5357.	4.4	22
13	How fast is mass segregation happening in hierarchically formed embedded star clusters?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 465-474.	4.4	18
14	Dynamical ejections of stars due to an accelerating gas filament. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3590-3598.	4.4	12
15	Could Segue 1 be a destroyed star cluster? “ a dynamical perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3630-3638.	4.4	9
16	Understanding the internal dynamics of elliptical galaxies without non-baryonic dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1865-1880.	4.4	21
17	Numerical simulations of Modified Newtonian Dynamics. <i>Journal of Physics: Conference Series</i> , 2016, 720, 012012.	0.4	1
18	An extensive catalogue of early-type galaxies in the nearby Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4492-4512.	4.4	24

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19	The difficult early stages of embedded star clusters and the importance of the pre-gas expulsion virial ratio. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2451-2458.	4.4	28
20	The sensitivity of harassment to orbit: mass loss from early-type dwarfs in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2502-2516.	4.4	94
21	Simple and accurate modelling of the gravitational potential produced by thick and thin exponential discs. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2934-2940.	4.4	53
22	Life and death of a hero – lessons learned from modelling the dwarf spheroidal Hercules: an incorrect orbit?. Monthly Notices of the Royal Astronomical Society, 2015, 446, 144-159.	4.4	11
23	RAYMOND: an N-body and hydrodynamics code for MOND. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1060-1070.	4.4	38
24	Phase mixing due to the Galactic potential: steps in the position and velocity distributions of popped star clusters. Monthly Notices of the Royal Astronomical Society, 2014, 437, 3702-3717.	4.4	12
25	Ursa Major II – reproducing the observed properties through tidal disruption. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2529-2544.	4.4	16
26	A possible formation scenario for dwarf spheroidal galaxies – I. Fiducial model. Monthly Notices of the Royal Astronomical Society, 2013, 432, 274-284.	4.4	15
27	The impact of galaxy harassment on the globular cluster systems of early-type cluster dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1066-1079.	4.4	54
28	Infant mortality in the hierarchical merging scenario: dependence on gas expulsion time-scales. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1303-1311.	4.4	35
29	The influence of ram pressure on the evolution of tidal dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 436, 839-853.	4.4	23
30	A possible formation scenario for dwarf spheroidal galaxies – II. A parameter study. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2391-2406.	4.4	13
31	The cold veil of the Milky Way stellar halo. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2840-2853.	4.4	111
32	The stretching of Hercules. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L101-L105.	3.3	24
33	Ram pressure drag - the effects of ram pressure on dark matter and stellar disc dynamics. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1990-2005.	4.4	29
34	Numerical modelling of Auriga’s Wheel - a new ring galaxy. Monthly Notices of the Royal Astronomical Society, 2012, 423, 543-557.	4.4	14
35	Leo IV and V – A possible dwarf galaxy pair?. Astronomy and Astrophysics, 2012, 542, A61.	5.1	8
36	A parametric study on the formation of extended star clusters and ultra-compact dwarf galaxies. Astronomy and Astrophysics, 2011, 529, A138.	5.1	44

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37	ACCURATE STELLAR KINEMATICS AT FAINT MAGNITUDES: APPLICATION TO THE BOÖTES I DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2011, 736, 146.	4.5	159
38	Star cluster collisions - a formation scenario for the extended globular cluster Scl-dE1 GC1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2606-2614.	4.4	6
39	Surviving infant mortality in the hierarchical merging scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 3036-3043.	4.4	48
40	Popping star clusters as building blocks of the Milky Way's thick disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1280-1289.	4.4	17
41	Formation rates of star clusters in the hierarchical merging scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no.	4.4	13
42	FAINT FUZZY STAR CLUSTERS IN NGC 1023 AS REMNANTS OF MERGED STAR CLUSTER COMPLEXES. <i>Astrophysical Journal</i> , 2009, 702, 1268-1274.	4.5	21
43	A SPECTROSCOPIC CONFIRMATION OF THE BOOTES II DWARF SPHEROIDAL. <i>Astrophysical Journal</i> , 2009, 690, 453-462.	4.5	101
44	Merging time-scales of stellar subclumps in young star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 954-962.	4.4	30
45	Star clusters as building blocks for dSph galaxy formation. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 353-356.	0.0	0
46	Modelling the Tidal Tails of NGC 5466. <i>Globular Clusters - Guides To Galaxies</i> , 2009, , 423-424.	0.1	0
47	Modelling the dynamical evolution of the Bootes dwarf spheroidal galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 1095-1104.	4.4	24
48	Two-Micron All-Sky Survey J01542930+0053266: a new eclipsing M dwarf binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 416-424.	4.4	30
49	Light and motion in SDSS Stripe 82: the catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 887-902.	4.4	131
50	The Luminosity Function of the Milky Way Satellites. <i>Astrophysical Journal</i> , 2008, 686, 279-291.	4.5	295
51	Cats and Dogs, Hair and a Hero: A Quintet of New Milky Way Companions. <i>Astrophysical Journal</i> , 2007, 654, 897-906.	4.5	646
52	An Orphan in the "Field of Streams". <i>Astrophysical Journal</i> , 2007, 658, 337-344.	4.5	236
53	Discovery of an Unusual Dwarf Galaxy in the Outskirts of the Milky Way. <i>Astrophysical Journal</i> , 2007, 656, L13-L16.	4.5	253
54	The Hercules-Aquila Cloud. <i>Astrophysical Journal</i> , 2007, 657, L89-L92.	4.5	138

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55	Numerical Modelling of the Tidal Tails of NGC 5466. Proceedings of the International Astronomical Union, 2007, 3, 189-190.	0.0	0
56	The influence of mass-loss from a star cluster on its dynamical friction - I. Clusters without internal evolution. Monthly Notices of the Royal Astronomical Society, 2007, 375, 604-614.	4.4	30
57	Is Ursa Major II the progenitor of the Orphan Stream?. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1171-1179.	4.4	55
58	Steeptened inner density profiles of group galaxies via interactions: an N-body analysis. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1503-1510.	4.4	18
59	The tidal tails of NGC 5466. Monthly Notices of the Royal Astronomical Society, 2007, 380, 749-756.	4.4	37
60	New ultracool and halo white dwarf candidates in SDSS Stripe 82. Monthly Notices of the Royal Astronomical Society, 2007, 382, 515-525.	4.4	28
61	The Field of Streams: Sagittarius and Its Siblings. Astrophysical Journal, 2006, 642, L137-L140.	4.5	726
62	A Curious Milky Way Satellite in Ursa Major. Astrophysical Journal, 2006, 650, L41-L44.	4.5	283
63	A Faint New Milky Way Satellite in Bootes. Astrophysical Journal, 2006, 647, L111-L114.	4.5	359
64	A New Milky Way Dwarf Satellite in Canes Venatici. Astrophysical Journal, 2006, 643, L103-L106.	4.5	319
65	Enhanced mass-to-light ratios in ultracompact dwarf galaxies through tidal interaction with the centre of the host galaxy. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1577-1584.	4.4	25
66	Complex stellar populations in massive clusters: trapping stars of a dwarf disc galaxy in a newborn stellar supercluster. Monthly Notices of the Royal Astronomical Society, 2006, 372, 338-342.	4.4	23
67	The Origin of the Bifurcation in the Sagittarius Stream. Astrophysical Journal, 2006, 651, 167-173.	4.5	205
68	A possible formation scenario for the ultramassive cluster W3 in NGC 7252. Monthly Notices of the Royal Astronomical Society, 2005, 359, 223-227.	4.4	82
69	Star Cluster Survival in Star Cluster Complexes under Extreme Residual Gas Expulsion. Astrophysical Journal, 2005, 630, 879-886.	4.5	46
70	An exact equilibrium model of an unbound stellar system in a tidal field. Astronomy and Astrophysics, 2005, 435, 875-881.	5.1	8
71	“Cen” An ultra compact dwarf galaxy?. Astrophysics and Space Science, 2003, 284, 643-646.	1.4	6
72	The efficiency of the spiral-in of a black hole to the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2003, 344, 22-32.	4.4	38

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73	The White Dwarf Deficit in Open Clusters: Dynamical Processes. <i>Astrophysical Journal</i> , 2003, 595, L53-L56.	4.5	50
74	<i>i>Ï%</i>-Cen - an Ultra Compact Dwarf Galaxy?. EAS Publications Series, 2003, 10, 181-181.</i>	0.3	0
75	<i>Ï% Cen â€” An Ultra Compact Dwarf Galaxy?. , 2003, , 349-352.</i>		0
76	The formation of ultracompact dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 642-650.	4.4	160
77	Merging Timescales and Merger Rates of Star Clusters in Dense Star Cluster Complexes. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2002, 82, 113-131.	1.4	19
78	Merging Massive Star Clusters as Building Blocks of Dwarf Galaxies?. <i>Astrophysics and Space Science</i> , 2002, 281, 355-358.	1.4	10
79	The Possible Origin of the Faint Fuzzy Star Clusters in NGC 1023. <i>Astronomical Journal</i> , 2002, 124, 2006-2011.	4.7	24
80	Dwarf-galaxy-objects formed out of merging star-clusters. <i>Astronomical and Astrophysical Transactions</i> , 2001, 20, 85-88.	0.2	0
81	SUPERBOX â€” an efficient code for collisionless galactic dynamics. <i>New Astronomy</i> , 2000, 5, 305-326.	1.8	101
82	Mass loss and expansion of ultra compact dwarf galaxies through gas expulsion and stellar evolution for top-heavy stellar initial mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 403, 1054-1071.	4.4	39