Andrea Ferrara

List of Publications by Year
in descending order

148 papers	11,759 citations	19608 61 h-index	29081 104 g-index
148 all docs	148 docs citations	148 times ranked	4675 citing authors

#	Article	IF	Citations
1	Starburstâ€driven Mass Loss from Dwarf Galaxies: Efficiency and Metal Ejection. Astrophysical Journal, 1999, 513, 142-155.	1.6	810
2	Dust formation in primordial Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2001, 325, 726-736.	1.6	439
3	First Stars, Very Massive Black Holes, and Metals. Astrophysical Journal, 2002, 571, 30-39.	1.6	396
4	Thermal and Fragmentation Properties of Starâ€forming Clouds in Lowâ€Metallicity Environments. Astrophysical Journal, 2005, 626, 627-643.	1.6	395
5	The fragmentation of pre-enriched primordial objects. Monthly Notices of the Royal Astronomical Society, 2001, 328, 969-976.	1.6	343
6	Evidence of strong quasar feedback in the early Universe. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L66-L70.	1.2	312
7	The First Cosmic Structures and Their Effects. Space Science Reviews, 2005, 116, 625-705.	3.7	293
8	Early Metal Enrichment of the Intergalactic Medium by Pregalactic Outflows. Astrophysical Journal, 2001, 555, 92-105.	1.6	284
9	Early galaxy formation and its large-scale effects. Physics Reports, 2018, 780-782, 1-64.	10.3	273
10	Fragmentation of star-forming clouds enriched with the first dust. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1437-1444.	1.6	259
11	Dustâ€toâ€Gas Ratio and Metal Abundance in Dwarf Galaxies. Astrophysical Journal, 1998, 496, 145-154.	1.6	223
12	Population III stars: hidden or disappeared?. Monthly Notices of the Royal Astronomical Society, 0, 382, 945-950.	1.6	208
13	Low-mass relics of early star formation. Nature, 2003, 422, 869-871.	13.7	201
14	The assembly of â€˜normalâ€™ galaxies atzÂˆ¼Â7 probed by ALMA. Monthly Notices of the Royal Astronomical Society, 2015, 452, 54-68.	1.6	182
15	Very extended cold gas, star formation and outflows in the halo of a bright quasar atz> 6. Astronomy and Astrophysics, 2015, 574, A14.	2.1	169
16	The Escape of Ionizing Photons from OB Associations in Disk Galaxies: Radiation Transfer through Superbubbles. Astrophysical Journal, 2000, 531, 846-860.	1.6	155
17	Impact of dark matter decays and annihilations on reionization. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1719-1724.	1.6	153
18	Can the intergalactic medium cause a rapid drop in LyÎ± emission at zÂ>Â6?. Monthly Notices of the Royal Astronomical Society, 2015, 446, 566-577.	1.6	148

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19	ON THE [C ii]â€“SFR RELATION IN HIGH REDSHIFT GALAXIES. Astrophysical Journal, 2015, 813, 36.	1.6	144
20	Feedback-regulated supermassive black hole seed formation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2036-2047.	1.6	129
21	Extended ionised and clumpy gas in a normal galaxy at z = 7.1 revealed by ALMA. Astronomy and Astrophysics, 2017, 605, A42.	2.1	125
22	Initial mass function of intermediate-mass black hole seeds. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2410-2425.	1.6	123
23	The X-ray spectra of the first galaxies: 21â€‰cm signatures. Monthly Notices of the Royal Astronomical Society, 2014, 443, 678-686.	1.6	114
24	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	114
25	Formation of Supermassive Black Hole Seeds. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	113
26	Ultra faint dwarfs: probing early cosmic star formation. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 395, L6-L10.	1.2	112
27	Simulating high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 414, 847-859.	1.6	112
28	Cosmic reionization after Planck. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 454, L76-L80.	1.2	112
29	Kiloparsec-scale gaseous clumps and star formation at zÂ=Â5â€“7. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1170-1184.	1.6	111
30	crash: a radiative transfer scheme. Monthly Notices of the Royal Astronomical Society, 2003, 345, 379-394.	1.6	110
31	Large Population of ALMA Galaxies at zÂ>Â6 with Very High [O iii]Â88 Î¼m to [C ii]Â158 Î¼m Flux Ratios: Evidence of Extremely High Ionization Parameter or PDR Deficit?. Astrophysical Journal, 2020, 896, 93.	1.6	109
32	Essential physics of early galaxy formation. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2545-2557.	1.6	106
33	Zooming on the internal structure of zâ‰ƒ6 galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2540-2558.	1.6	100
34	An Atlas of Monte Carlo Models of Dust Extinction in Galaxies for Cosmological Applications. Astrophysical Journal, Supplement Series, 1999, 123, 437-445.	3.0	94
35	Simulating cosmic metal enrichment by the first galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2498-2518.	1.6	93
36	First Identification of 10 kpc [C ii]Â158 Î¼m Halos around Star-forming Galaxies at zÂ=Â5â€“7. Astrophysical Journal, 2019, 887, 107.	1.6	92

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37	Dusty galaxies in the Epoch of Reionization: simulations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 552-565.	1.6	91
38	Unveiling the First Black Holes With JWST:Multi-wavelength Spectral Predictions. Astrophysical Journal, 2017, 838, 117.	1.6	90
39	Deep into the structure of the first galaxies: SERRA views. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1689-1708.	1.6	90
40	Effects of dust grains on early galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2002, 337, 921-937.	1.6	86
41	Infrared background signatures of the first black holes. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1556-1566.	1.6	86
42	The impact of chemistry on the structure of high-z galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4128-4143.	1.6	86
43	Intergalactic H2Photodissociation and the Soft Ultraviolet Background Produced by Population III Objects. Astrophysical Journal, 2000, 533, 594-600.	1.6	86
44	The growth efficiency of high-redshift black holes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1922-1933.	1.6	85
45	Escape fraction of the ionizing radiation from starburst galaxies at high redshifts. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2826-2833.	1.6	83
46	ALMA Reveals Metals yet No Dust within Multiple Components in CR7. Astrophysical Journal, 2017, 851, 145.	1.6	81
47	The escape fraction of ionizing photons from high-redshift galaxies from data-constrained reionization models. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 428, L1-L5.	1.2	80
48	ALMA [C ii] 158 Î¼m Detection of a Redshift 7 Lensed Galaxy behind RX J1347.1â˜'1145*. Astrophysical Journal Letters, 2017, 836, L2.	3.0	79
49	Reionization Era Bright Emission Line Survey: Selection and Characterization of Luminous Interstellar Medium Reservoirs in the z > 6.5 Universe. Astrophysical Journal, 2022, 931, 160.	1.6	77
50	Glimpsing through the high-redshift neutral hydrogen fog. Monthly Notices of the Royal Astronomical Society, 2008, 386, 359-369.	1.6	75
51	The problematic growth of dust in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 463, L112-L116.	1.2	71
52	A physical model for [Câ€‰ii] line emission from galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1-12.	1.6	71
53	Normal, dust-obscured galaxies in the epoch of reionization. Nature, 2021, 597, 489-492.	13.7	71
54	The visibility of Lyman Î± emitters during reionization. Monthly Notices of the Royal Astronomical Society, 2011, 410, 830-843.	1.6	70

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55	Shining in the dark: the spectral evolution of the first black holes. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3771-3777.	1.6	67
56	On the size of HII regions around high-redshift quasars. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 376, L34-L38.	1.2	66
57	Cosmic reionization after Planck II: contribution from quasars. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1416-1425.	1.6	66
58	Resolved UV and [C ii] Structures of Luminous Galaxies within the Epoch of Reionization. Astrophysical Journal, 2019, 881, 124.	1.6	66
59	Intensity mapping of [Câ€‰ii] emission from early galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3829-3839.	1.6	65
60	Kinematics of z â‰¥ 6 galaxies from [C ii] line emission. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3007-3020.	1.6	65
61	Lyman alpha emitter evolution in the reionization epoch. Monthly Notices of the Royal Astronomical Society, 2009, 400, 2000-2011.	1.6	62
62	LyÎ± emitters and Lyman-break galaxies: dichotomous twins. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2568-2579.	1.6	62
63	The brief era of direct collapse black hole formation. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1263-1273.	1.6	62
64	Missing [Câ€‰<scp>ii</scp>] emission from early galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5136-5150.	1.6	61
65	The ALMA REBELS survey: the dust content of z â‰ˆ 7 Lyman break galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 989-1002.	1.6	60
66	Unveiling the nature of dark matter with high redshift 21 cm line experiments. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 024-024.	1.9	59
67	Searching for the reionization sources. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 380, L6-L10.	1.2	56
68	Signatures of reionization on LyÎ± emitters. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1683-1696.	1.6	56
69	Far-infrared line emission from high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1567-1572.	1.6	56
70	First CO(17â€“16) emission line detected in a zÂ>Â6 quasar. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2848-2853.	1.6	54
71	CO line emission from galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2018, 473, 271-285.	1.6	54
72	Joint quasar-cosmic microwave background constraints on reionization history. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1480-1488.	1.6	53

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73	FIRST OBSERVATIONAL SUPPORT FOR OVERLAPPING REIONIZED BUBBLES GENERATED BY A GALAXY OVERDENSITY. Astrophysical Journal Letters, 2016, 818, L3.	3.0	53
74	The cool side of Lyman alpha emitters. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1449-1457.	1.6	51
75	First identification of direct collapse black hole candidates in the early Universe in CANDELS/GOODS-S. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1432-1439.	1.6	51
76	The ALMA REBELS Survey: cosmic dust temperature evolution out to z âˆ¼ 7. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3122-3135.	1.6	51
77	On the minimum mass of reionization sources. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 385, L58-L62.	1.2	49
78	ALMA suggests outflows in zÂâˆ¼Â5.5 galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1909-1917.	1.6	47
79	Warm dust in high-z galaxies: origin and implications. Monthly Notices of the Royal Astronomical Society, 2020, 497, 956-968.	1.6	47
80	The contribution of high-redshift galaxies to the near-infrared background. Monthly Notices of the Royal Astronomical Society, 2013, 431, 383-393.	1.6	46
81	Quasar UV luminosity function evolution up tozÂ=Â8. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1160-1169.	1.6	46
82	Looking at cosmic near-infrared background radiation anisotropies. Reviews of Modern Physics, 2018, 90, .	16.4	45
83	The energy cascade from warm dark matter decays. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 387, L8-L12.	1.2	44
84	The ALMA REBELS Survey. Epoch of Reionization giants: Properties of dusty galaxies at z â‰ˆ 7. Monthly Notices of the Royal Astronomical Society, 2022, 512, 58-72.	1.6	44
85	First stars in damped LyÎ± systems. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 421, L29-L33.	1.2	43
86	Witnessing Galaxy Assembly at the Edge of the Reionization Epoch*. Astrophysical Journal Letters, 2018, 863, L29.	3.0	43
87	Accurate dust temperature determination in a z = 7.13 galaxy. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 508, L58-L63.	1.2	42
88	Simulating the growth of intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2015, 448, 104-118.	1.6	41
89	On the nature and physical conditions of the luminous Lyâ€‰Î± emitter CR7 and its rest-frame UV components. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2422-2441.	1.6	41
90	Dust temperature in ALMA [Câ€‰<scp>ii</scp>]-detected high-z galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4878-4891.	1.6	40

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91	Cosmic backgrounds from miniquasars. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 362, L50-L54.	1.2	39
92	Spectroscopic Investigation of a Reionized Galaxy Overdensity at z = 7. Astrophysical Journal Letters, 2018, 863, L3.	3.0	39
93	The infrared-dark dust content of high redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 5018-5024.	1.6	38
94	SEARCH FOR [C II] EMISSION INz= 6.5-11 STAR-FORMING GALAXIES. Astrophysical Journal, 2014, 784, 99.	1.6	36
95	On the faint-end of the high-zgalaxy luminosity function. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1968-1979.	1.6	35
96	Constraining dust formation in high-redshift young galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1704-1712.	1.6	34
97	The dense molecular gas in the zâ€†â€„âˆ¼â€„â€†6 QSO SDSS J231038.88+185519.7 resolved by ALMA. Astronomy and Astrophysics, 2018, 619, A39.	2.1	34
98	On the Faint End of the Galaxy Luminosity Function in the Epoch of Reionization: Updated Constraints from the HST Frontier Fields. Astrophysical Journal, 2018, 868, 115.	1.6	33
99	CONSTRAINTS ON PHOTOIONIZATION FEEDBACK FROM NUMBER COUNTS OF ULTRA-FAINT HIGH-REDSHIFT GALAXIES IN THE FRONTIER FIELDS. Astrophysical Journal Letters, 2016, 823, L40.	3.0	33
100	Suppression of black-hole growth by strong outflows at redshifts 5.8â€“6.6. Nature, 2022, 605, 244-247.	13.7	33
101	Detecting Lyman alpha emitters in the submillimetre. Monthly Notices of the Royal Astronomical Society, 0, 403, 620-624.	1.6	31
102	Mapping metals at high redshift with far-infrared lines. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1898-1909.	1.6	30
103	The nature of the Lyman Î± emitter CR7: a persisting puzzle. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 468, L77-L81.	1.2	30
104	Outflows and extended [Câ€‰ii] haloes in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 495, 160-172.	1.6	30
105	The brightest Lyâ€‰Î± emitter: Pop III or black hole?. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2466-2471.	1.6	29
106	High [Oâ€‰<scp>iii</scp>]/[Câ€‰<scp>ii</scp>] surface brightness ratios trace early starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5543-5553.	1.6	29
107	Host galaxies of high-redshift quasars: SMBH growth and feedback. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1-26.	1.6	29
108	Dark matter halo environment for primordial star formation. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2109-2117.	1.6	28

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109	Galaxy Formation through Filamentary Accretion at zÂ=Â6.1. Astrophysical Journal, 2017, 845, 175.	1.6	28
110	Can supermassive black hole seeds form in galaxy mergers?. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2600-2605.	1.6	27
111	Predicting FIR lines from simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5160-5175.	1.6	27
112	Photoevaporation of Jeans-unstable molecular clumps. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3377-3391.	1.6	26
113	The circumgalactic medium of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 444, L105-L109.	1.2	25
114	Ultra-faint high-redshift galaxies in the Frontier Fields. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 443, L20-L24.	1.2	24
115	Molecular clouds photoevaporation and FIR line emission. Monthly Notices of the Royal Astronomical Society, 0, , stx180.	1.6	23
116	Studying high-z galaxies with [Câ€‰ii]â€‰Âintensity mapping. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1928-1943.	1.6	23
117	Velocity dispersion in the interstellar medium of early galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1250-1265.	1.6	23
118	Feedback Limits to Maximum Seed Masses of Black Holes. Astrophysical Journal Letters, 2017, 835, L36.	3.0	22
119	Probing high-redshift galaxies with LyÎ± intensity mapping. Monthly Notices of the Royal Astronomical Society, 2016, 455, 725-738.	1.6	21
120	Supernovae within Pre-existing Wind-blown Bubbles: Dust Injection versus Ambient Dust Destruction. Astrophysical Journal, 2019, 887, 198.	1.6	21
121	Infrared emission of z âˆ¼ 6 galaxies: AGN imprints. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2349-2368.	1.6	20
122	Measuring patchy reionization with kSZ2-21â€‰cm correlations. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4025-4031.	1.6	18
123	Detectable signatures of cosmic radiative feedback. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1525-1532.	1.6	17
124	Molecular clumps photoevaporation in ionized regions. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4476-4487.	1.6	17
125	Star formation law in the epoch of reionization from [Câ€‰<scp>ii</scp>] and Câ€‰<scp>iii</scp>] lines. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 495, L22-L26.	1.2	17
126	The earliest galaxies seen in 21â€fcm line absorption. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	16

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127	Probing the high-redshift universe with SPICA: Toward the epoch of reionisation and beyond. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	14
128	The dust attenuation law in z â¼ 6 quasars. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3946-3961.	1.6	13
129	The stellar populations of high-redshift dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4134-4149.	1.6	12
130	Late-time cosmic evolution of dust: solving the puzzle. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4537-4543.	1.6	12
131	The ionizing properties of two bright LyÎ± emitters in the Bremer Deep Field reionized bubble at z = 7. Astronomy and Astrophysics, 2022, 662, A115.	2.1	12
132	Building Robust Active Galactic Nuclei Mock Catalogs to Unveil Black Hole Evolution and for Survey Planning. Astrophysical Journal, 2021, 916, 34.	1.6	11
133	Triggering the Formation of Direct Collapse Black Holes by Their Congeners. Astrophysical Journal, 2017, 838, 111.	1.6	9
134	ChandraCOSMOS Legacy Survey: Clustering dependence of Type 2 active galactic nuclei on host galaxy properties. Astronomy and Astrophysics, 2019, 632, A88.	2.1	9
135	Early galaxy growth: mergers or gravitational instability?. Monthly Notices of the Royal Astronomical Society, 2020, 500, 118-137.	1.6	9
136	Bubble mapping with the Square Kilometre Array â€“ I. Detecting galaxies with Euclid, JWST, WFIRST, and ELT within ionized bubbles in the intergalactic medium at z > 6. Monthly Notices of the Royal Astronomical Society, 2020, 493, 855-870.	1.6	8
137	Metal Enrichment in the Reionization Epoch. Astrophysics and Space Science Library, 2016, , 163-185.	1.0	8
138	Massive black holes in high-redshift Lyman Break Galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2757-2769.	1.6	6
139	Dwarf Satellites of High-z Lyman Break Galaxies: A Free Lunch for JWST. Astrophysical Journal Letters, 2021, 913, L25.	3.0	5
140	Searching for the earliest galaxies in the 21 cm forest. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1124-1129.	2.0	4
141	Galaxies into the Dark Ages. Astrophysical Journal, 2017, 848, 49.	1.6	4
142	Lyman-alpha radiation pressure: an analytical exploration. Monthly Notices of the Royal Astronomical Society, 2021, 504, 89-100.	1.6	4
143	Dynamical Properties of Molecular-forming Gas Clumps in Galaxies at the Epoch of Reionization. Astrophysical Journal, 2020, 895, 24.	1.6	4
144	Radio signals from early direct collapse black holes. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5606-5618.	1.6	1

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145	Cosmological Feedbacks from the First Stars. , 2008, , 161-258.		1
146	Einstein and cosmology. Lettera Matematica, 2017, 5, 33-37.	0.1	0
147	Einstein e la Cosmologia. Lettera Matematica Pristem, 2017, 99, 22-26.	0.0	0
148	Dynamical properties of Molecular Cloud Complexes at the Epoch of Reionization. Proceedings of the International Astronomical Union, 2019, 15, 38-39.	0.0	0