

Tiziana Di Matteo

List of Publications by Year in descending order

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Version: 2024-02-01

133
papers

16,844
citations

38720

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136
all docs

136
docs citations

136
times ranked

7634
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of dust on the sizes of galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5475-5491.	1.6	15
2	Massive black hole mergers with orbital information: predictions from the ASTRID simulation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2220-2238.	1.6	9
3	COSMO: a Research Data Service Platform and Experiences from the BlueTides Project. , 2022, , .		0
4	Concordance between Observations and Simulations in the Evolution of the Mass Relation between Supermassive Black Holes and Their Host Galaxies. Astrophysical Journal, 2022, 933, 132.	1.6	6
5	AI-assisted superresolution cosmological simulations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	46
6	Observing the host galaxies of high-redshift quasars with <i>JWST</i>: predictions from the <sc>BlueTides</sc> simulation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1209-1228.	1.6	16
7	AI-assisted superresolution cosmological simulations â€“ II. Halo substructures, velocities, and higher order statistics. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1021-1033.	1.6	19
8	The Diversity of Environments around Luminous Quasars at Redshift $z \sim 6$. Astrophysical Journal, 2021, 917, 89.	1.6	2
9	Simulated X-ray emission in galaxy clusters with feedback from active galactic nuclei. Astronomische Nachrichten, 2021, 342, 164-170.	0.6	2
10	Not all peaks are created equal: the early growth of supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3043-3064.	1.6	4
11	Dynamical friction modelling of massive black holes in cosmological simulations and effects on merger rate predictions. Monthly Notices of the Royal Astronomical Society, 2021, 510, 531-550.	1.6	30
12	Cosmological Simulation of Galaxy Groups and Clusters. I. Global Effect of Feedback from Active Galactic Nuclei. Astrophysical Journal, 2020, 889, 60.	1.6	6
13	Multiplicity functions of quasars: predictions from the <tt>MassiveBlackII</tt> simulation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5620-5633.	1.6	5
14	Stochastic Processes as the Origin of the Double Power-law Shape of the Quasar Luminosity Function. Astrophysical Journal, 2020, 894, 124.	1.6	10
15	Nebular-line emission during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2020, 493, 6079-6094.	1.6	24
16	TXS 2116+077: A Gamma-Ray Emitting Relativistic Jet Hosted in a Galaxy Merger. Astrophysical Journal, 2020, 892, 133.	1.6	11
17	Testing the Fidelity of Simulations of Black Holeâ€“Galaxy Coevolution at $z \sim 1.5$ with Observations. Astrophysical Journal, 2020, 896, 159.	1.6	7
18	Predictions for the abundance of high-redshift galaxies in a fuzzy dark matter universe. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5551-5565.	1.6	16

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19	Black Hole Formation and Growth. Saas-Fee Advanced Course, 2019, , .	1.1	4
20	The Fundamental Plane of Black Hole Accretion and Its Use as a Black Hole-Mass Estimator. Astrophysical Journal, 2019, 871, 80.	1.6	67
21	On the small-scale clustering of quasars: constraints from the MassiveBlack II simulation. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2026-2040.	1.6	10
22	Black Holes Across Cosmic History: A Journey Through 13.8 Billion Years. Saas-Fee Advanced Course, 2019, , 159-212.	1.1	0
23	The epoch of cosmic heating by early sources of X-rays. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1174-1190.	1.6	51
24	DESCQA: An Automated Validation Framework for Synthetic Sky Catalogs. Astrophysical Journal, Supplement Series, 2018, 234, 36.	3.0	18
25	Dust-obscured star-forming galaxies in the early universe. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5363-5369.	1.6	30
26	The radial acceleration relation in disc galaxies in the MassiveBlack-II simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3125-3132.	1.6	17
27	The clustering of Λ CDM galaxies: predictions from the BLUETIDES simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5393-5405.	1.6	16
28	The descendants of the first quasars in the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 597-603.	1.6	25
29	Blockchain Technologies: The Foreseeable Impact on Society and Industry. Computer, 2017, 50, 18-28.	1.2	459
30	The origin of the most massive black holes at high-z: BlueTides and the next quasar frontier. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4243-4251.	1.6	83
31	The properties of the first galaxies in the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2517-2530.	1.6	63
32	Forecasts for the <i>WFIRST</i> High Latitude Survey using the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3520-3530.	1.6	34
33	Intrinsic alignments of disc and elliptical galaxies in the MassiveBlack-II and Illustris simulations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2668-2680.	1.6	42
34	Monsters in the dark: predictions for luminous galaxies in the early Universe from the <i>BlueTides</i> simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 461, L51-L55.	1.2	28
35	THE FORMATION OF MILKY WAY- <i>MASS</i> DISK GALAXIES IN THE FIRST 500 MILLION YEARS OF A COLD DARK MATTER UNIVERSE. Astrophysical Journal Letters, 2015, 808, L17.	3.0	40
36	Investigating galaxy-filament alignments in hydrodynamic simulations using density ridges. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3341-3350.	1.6	35

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37	Galaxy shapes and alignments in the MassiveBlack-II hydrodynamic and dark matter-only simulations. Monthly Notices of the Royal Astronomical Society, 2015, 453, 469-482.	1.6	52
38	The MassiveBlack-II simulation: the evolution of haloes and galaxies to $z \sim 1/4$. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1349-1374.	1.6	262
39	Intrinsic alignments of galaxies in the MassiveBlack-II simulation: analysis of two-point statistics. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3522-3544.	1.6	66
40	Luminosity function of [O II] emission-line galaxies in the MassiveBlack-II simulation. Monthly Notices of the Royal Astronomical Society, 2015, 454, 277-287.	1.6	11
41	Petascale Cosmology: Simulations of Structure Formation. Computing in Science and Engineering, 2015, 17, 40-46.	1.2	0
42	Galaxy shapes and intrinsic alignments in the MassiveBlack-II simulation. Monthly Notices of the Royal Astronomical Society, 2014, 441, 470-485.	1.6	82
43	The role of Compton heating in radiation-regulated accretion on to black holes. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2325-2330.	1.6	9
44	Rayleigh-Taylor instability of ionization front around black holes. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2856-2864.	1.6	14
45	High-redshift supermassive black holes: accretion through cold flows. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1865-1879.	1.6	42
46	Growth and anisotropy of ionization fronts near high-redshift quasars in the MassiveBlack simulation. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1554-1563.	1.6	8
47	Interpreting the observed UV continuum slopes of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2885-2890.	1.6	50
48	Confronting predictions of the galaxy stellar mass function with observations at high redshift. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2098-2103.	1.6	6
49	Theoretical predictions for the effect of nebular emission on the broad-band photometry of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2885-2895.	1.6	35
50	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: THE QUASAR LUMINOSITY FUNCTION FROM DATA RELEASE NINE. Astrophysical Journal, 2013, 773, 14.	1.6	170
51	Dark matter halo occupation: environment and clustering. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2766-2777.	1.6	17
52	A CHANDRA SURVEY OF SUPERMASSIVE BLACK HOLES WITH DYNAMICAL MASS MEASUREMENTS. Astrophysical Journal, 2012, 749, 129.	1.6	22
53	GROWTH OF EARLY SUPERMASSIVE BLACK HOLES AND THE HIGH-REDSHIFT EDDINGTON RATIO DISTRIBUTION. Astrophysical Journal Letters, 2012, 755, L8.	3.0	21
54	COLD FLOWS AND THE FIRST QUASARS. Astrophysical Journal Letters, 2012, 745, L29.	3.0	219

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55	Hierarchical Information Clustering by Means of Topologically Embedded Graphs. PLoS ONE, 2012, 7, e31929.	1.1	87
56	The halo occupation distribution of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2657-2669.	1.6	40
57	The formation of galaxies hosting $z < 1$ 6 quasars. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2397-2406.	1.6	38
58	Early black holes in cosmological simulations: luminosity functions and clustering behaviour. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1892-1898.	1.6	23
59	Black hole clustering in cosmological hydrodynamic simulations: evidence for mergers. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1383-1394.	1.6	27
60	The halo occupation distribution of black holes. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1591-1600.	1.6	14
61	Detecting neutral hydrogen in emission at redshift $z \approx 1$. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2580-2593.	1.6	20
62	TERAPIXEL IMAGING OF COSMOLOGICAL SIMULATIONS. Astrophysical Journal, Supplement Series, 2011, 197, 18.	3.0	10
63	Instabilities in the Gamma Ray Burst central engine. What makes the jet variable?. Proceedings of the International Astronomical Union, 2010, 6, 349-353.	0.0	0
64	Faint-end quasar luminosity functions from cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1927-1936.	1.6	38
65	THE FUNDAMENTAL PLANE OF ACCRETION ONTO BLACK HOLES WITH DYNAMICAL MASSES. Astrophysical Journal, 2009, 706, 404-416.	1.6	172
66	Galaxy morphology, kinematics and clustering in a hydrodynamic simulation of a Λ CDM cold dark matter universe. Monthly Notices of the Royal Astronomical Society, 2009, 400, 43-67.	1.6	67
67	Supermassive black holes and their environments. Monthly Notices of the Royal Astronomical Society, 2008, 387, 1163-1178.	1.6	32
68	Effects of quasar feedback in galaxy groups. Monthly Notices of the Royal Astronomical Society, 2008, 389, 34-44.	1.6	31
69	The Nature of CO Emission from documentclass{aastex} usepackage{amsbsy} usepackage{amsmath} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{enewcommandmdefault{wncyr} anewcommandsfdefault{wncyss} anewcommandencodingdefault{OT2} ormalfont selectfont}	3.0	39
70	The Role of Galactic Winds on Molecular Gas Emission from Galaxy Mergers. Astrophysical Journal, Supplement Series, 2008, 176, 331-354.	3.0	78
71	Direct Cosmological Simulations of the Growth of Black Holes and Galaxies. Astrophysical Journal, 2008, 676, 33-53.	1.6	423
72	How Rapidly Do Supermassive Black Hole "Seeds" Grow at Early Times?. Astrophysical Journal, 2007, 665, 107-119.	1.6	105

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73	Formation of $z \sim 1/6$ Quasars from Hierarchical Galaxy Mergers. <i>Astrophysical Journal</i> , 2007, 665, 187-208.	1.6	253
74	Angular Anisotropies in the Cosmic Gamma-Ray Background as a Probe of Its Origin. <i>Astrophysical Journal</i> , 2007, 667, L1-L4.	1.6	31
75	"No Worries": Trends in Econophysics. <i>European Physical Journal B</i> , 2007, 55, 121-122.	0.6	10
76	Vertical structure of hyper-accreting disks and consequences for gamma-ray burst outflows. <i>Astrophysics and Space Science</i> , 2007, 311, 185-190.	0.5	7
77	Feedback-driven Evolution of the Far-Infrared Spectral Energy Distributions of Luminous and Ultraluminous Infrared Galaxies. <i>Astrophysical Journal</i> , 2007, 658, 840-850.	1.6	34
78	Instabilities in the Time-Dependent Neutrino Disk in Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 664, 1011-1025.	1.6	81
79	The Evolution of the $M_{BH} - f$ Relation. <i>Astrophysical Journal</i> , 2006, 641, 90-102.	1.6	217
80	A Merger-driven Scenario for Cosmological Disk Galaxy Formation. <i>Astrophysical Journal</i> , 2006, 645, 986-1000.	1.6	443
81	Molecular Outflows in Galaxy Merger Simulations with Embedded Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2006, 642, L107-L110.	1.6	48
82	Galactic Centre stellar winds and Sgr A* accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 358-372.	1.6	138
83	Title is missing!. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, xi-xiv.	1.2	1
84	Why the fundamental plane of black hole activity is not simply a distance driven artifact. <i>New Astronomy</i> , 2006, 11, 567-576.	0.8	45
85	A Unified, Merger-driven Model of the Origin of Starbursts, Quasars, the Cosmic X-Ray Background, Supermassive Black Holes, and Galaxy Spheroids. <i>Astrophysical Journal, Supplement Series</i> , 2006, 163, 1-49.	3.0	1,484
86	The Evolution in the Faint-End Slope of the Quasar Luminosity Function. <i>Astrophysical Journal</i> , 2006, 639, 700-709.	1.6	98
87	X-Ray Emission from Hot Gas in Galaxy Mergers. <i>Astrophysical Journal</i> , 2006, 643, 692-706.	1.6	87
88	The Kinematic Structure of Merger Remnants. <i>Astrophysical Journal</i> , 2006, 650, 791-811.	1.6	315
89	A Physical Model for the Origin of Quasar Lifetimes. <i>Astrophysical Journal</i> , 2005, 625, L71-L74.	1.6	316
90	Black Holes in Galaxy Mergers: The Formation of Red Elliptical Galaxies. <i>Astrophysical Journal</i> , 2005, 620, L79-L82.	1.6	642

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91	Luminosity-dependent Quasar Lifetimes: Reconciling the Optical and X-Ray Quasar Luminosity Functions. <i>Astrophysical Journal</i> , 2005, 632, 81-91.	1.6	70
92	Modelling feedback from stars and black holes in galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 776-794.	1.6	1,746
93	Energy input from quasars regulates the growth and activity of black holes and their host galaxies. <i>Nature</i> , 2005, 433, 604-607.	13.7	2,577
94	A Fundamental Plane of Black Hole Activity: Pushing Forward the Unification Scheme. <i>Astrophysics and Space Science</i> , 2005, 300, 45-53.	0.5	10
95	On the Relationship Between the Jets from X-Ray Binaries and Agn. <i>Astrophysics and Space Science</i> , 2005, 300, 15-21.	0.5	5
96	Black Holes in Galaxy Mergers: Evolution of Quasars. <i>Astrophysical Journal</i> , 2005, 630, 705-715.	1.6	497
97	Luminosity-dependent Quasar Lifetimes: A New Interpretation of the Quasar Luminosity Function. <i>Astrophysical Journal</i> , 2005, 630, 716-720.	1.6	125
98	Evolution of a neutrino-cooled disc in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 950-958.	1.6	77
99	Tracing the cosmological assembly of stars and supermassive black holes in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, L37-L42.	1.6	116
100	The 21-cm emission from the reionization epoch: extended and point source foregrounds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 1053-1065.	1.6	86
101	The Clustering of Active Galactic Nuclei in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2004, 610, L85-L88.	1.6	51
102	Iron K α Emission from the Low-Luminosity Active Galaxies M81 and NGC 4579. <i>Astrophysical Journal</i> , 2004, 607, 788-793.	1.6	25
103	The Cosmological Evolution of Metal Enrichment in Quasar Host Galaxies. <i>Astrophysical Journal</i> , 2004, 610, 80-92.	1.6	19
104	Quasars and their environments along cosmic history. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 471-476.	0.0	0
105	Harmonic susceptibilities and pinning properties of MgB ₂ bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 161-162.	0.6	3
106	A Fundamental Plane of black hole activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 345, 1057-1076.	1.6	977
107	Accretion onto the Supermassive Black Hole in M87. <i>Astrophysical Journal</i> , 2003, 582, 133-140.	1.6	261
108	Black Hole Growth and Activity in a Cold Dark Matter Universe. <i>Astrophysical Journal</i> , 2003, 593, 56-68.	1.6	131

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109	Neutrino Trapping and Accretion Models for Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2002, 579, 706-715.	1.6	282
110	Radio Foregrounds for the 21 Centimeter Tomography of the Neutral Intergalactic Medium at High Redshifts. <i>Astrophysical Journal</i> , 2002, 564, 576-580.	1.6	190
111	Coronal heating and emission mechanisms in AGN. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	0
112	XTE J1118+480: Clues on the Nature of the Accretion Flow from the Optical Variability. <i>Astrophysics and Space Science</i> , 2001, 276, 213-216.	0.5	1
113	Limits on the Accretion Rates onto Massive Black Holes in Nearby Galaxies. <i>Astrophysical Journal</i> , 2001, 547, 731-739.	1.6	46
114	X-Ray Images of Hot Accretion Flows. <i>Astrophysical Journal</i> , 2001, 548, 213-218.	1.6	7
115	Accretion onto Nearby Supermassive Black Holes: [ITAL]Chandra[/ITAL] Constraints on the Dominant Cluster Galaxy NGC 6166. <i>Astrophysical Journal</i> , 2001, 550, L19-L23.	1.6	59
116	Hydrodynamic Simulation of the Cosmological X-Ray Background. <i>Astrophysical Journal</i> , 2001, 557, 67-87.	1.6	83
117	Magnetic flares and the optical variability of the X-ray transient XTE J1118+480. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, L15-L19.	1.6	52
118	Synchrotron Emission from Hot Accretion Flows and the Cosmic Microwave Background Anisotropy. <i>Astrophysical Journal</i> , 2000, 542, 68-73.	1.6	9
119	Hard X-Ray Emission from Elliptical Galaxies and Its Contribution to the X-Ray Background. <i>Astrophysical Journal</i> , 1999, 527, L21-L24.	1.6	7
120	Strong observational constraints on advection-dominated accretion in the cores of elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 305, 492-504.	1.6	64
121	Magnetic flares in accretion disc coronae and the spectral states of black hole candidates: the case of GX339-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 304, 809-820.	1.6	65
122	On the origin of the hard X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 305, L1-L5.	1.6	12
123	Possible Evidence for Truncated Thin Disks in the Low-Luminosity Active Galactic Nuclei M81 and NGC 4579. <i>Astrophysical Journal</i> , 1999, 525, L89-L92.	1.6	125
124	Quasi-Periodic Variability and the Inner Radii of Thin Accretion Disks in Galactic Black Hole Systems. <i>Astrophysical Journal</i> , 1999, 526, L101-L104.	1.6	39
125	Low-Luminosity States of the Black Hole Candidate GX 339 \sim 4. <i>I.A.S.C.A.</i> and Simultaneous Radio/RXTE Observations. <i>Astrophysical Journal</i> , 1999, 522, 460-475.	1.6	89
126	Magnetic reconnection: flares and coronal heating in active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 299, L15-L20.	1.6	113

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127	Two-temperature coronae in active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 1997, 291, L23-L27.	1.6	25
128	Ion-supported tori: a thermal bremsstrahlung model for the X-ray background. Monthly Notices of the Royal Astronomical Society, 1997, 286, 393-402.	1.6	26
129	Advectively dominated flows in the cores of giant elliptical galaxies: application to M60 (NGC 4649). Monthly Notices of the Royal Astronomical Society, 1997, 286, L50-L54.	1.6	23
130	Cyclo-synchrotron emission from magnetically dominated active regions above accretion discs. Monthly Notices of the Royal Astronomical Society, 1997, 291, 805-810.	1.6	37
131	The 'quiescent' black hole in M87. Monthly Notices of the Royal Astronomical Society, 1996, 283, L111-L116.	1.6	171
132	A unified model for AGN feedback in cosmological simulations of structure formation. Monthly Notices of the Royal Astronomical Society, 0, 380, 877-900.	1.6	692
133	Chandra and the Black Hole in M87. , 0, , 443-449.		0