Dmitry A Duev

List of Publications by Year
in descending order

103 papers	4,754 citations	126907 33 h-index	102487 66 g-index
108 all docs	108 docs citations	108 times ranked	4451 citing authors

#	Article	IF	Citations
1	Discovery and characterization of five new eclipsing AMÂCVn systems. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5440-5461.	4.4	22
2	The Zwicky Transient Facility Type Ia supernova survey: first data release and results. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2228-2241.	4.4	20
3	A WC/WO star exploding within an expanding carbonâ€“oxygenâ€“neon nebula. Nature, 2022, 601, 201-204.	27.8	48
4	Supernova siblings and their parent galaxies in the Zwicky Transient Facility Bright Transient Survey. Monthly Notices of the Royal Astronomical Society, 2022, 511, 241-254.	4.4	6
5	Impact of the SpaceX Starlink Satellites on the Zwicky Transient Facility Survey Observations. Astrophysical Journal Letters, 2022, 924, L30.	8.3	22
6	Microlensing Events in the Galactic Plane Using the Zwicky Transient Facility. Astrophysical Journal, 2022, 927, 150.	4.5	6
7	The Type Icn SN 2021csp: Implications for the Origins of the Fastest Supernovae and the Fates of Wolfâ€“Rayet Stars. Astrophysical Journal, 2022, 927, 180.	4.5	35
8	Zwicky Transient Facility and Globular Clusters: The RR Lyrae gri-band Periodâ€“Luminosityâ€“Metallicity and Periodâ€“Wesenheitâ€“Metallicity Relations. Astronomical Journal, 2022, 163, 239.	4.7	7
9	A 62-minute orbital period black widow binary in a wide hierarchical triple. Nature, 2022, 605, 41-45.	27.8	13
10	The Large Superfast Rotators Discovered by the Zwicky Transient Facility. Astrophysical Journal Letters, 2022, 932, L5.	8.3	2
11	Optical follow-up of the neutron starâ€“black hole mergers S200105ae and S200115j. Nature Astronomy, 2021, 5, 46-53.	10.1	71
12	Initial Characterization of Active Transitioning Centaur, P/2019 LD₂ (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. Astronomical Journal, 2021, 161, 116.	4.7	13
13	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. Astrophysical Journal, 2021, 907, 99.	4.5	59
14	Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. Astrophysical Journal Letters, 2021, 911, L35.	8.3	10
15	Tails: Chasing Comets with the Zwicky Transient Facility and Deep Learning. Astronomical Journal, 2021, 161, 218.	4.7	6
16	HO Puppis: Not a Be Star, but a Newly Confirmed IW And-type Star. Astrophysical Journal, 2021, 911, 51.	4.5	3
17	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. Astrophysical Journal, 2021, 912, 46.	4.5	66
18	Year 1 of the ZTF high-cadence Galactic plane survey: strategy, goals, and early results on new single-mode hot subdwarf B-star pulsators. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1254-1267.	4.4	27

#	Article	IF	Citations
19	AGNs on the Move: A Search for Off-nuclear AGNs from Recoiling Supermassive Black Holes and Ongoing Galaxy Mergers with the Zwicky Transient Facility. Astrophysical Journal, 2021, 913, 102.	4.5	19
20	The ZTF Source Classification Project â€“ II. Periodicity and variability processing metrics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2954-2965.	4.4	10
21	The ZTF Source Classification Project. I. Methods and Infrastructure. Astronomical Journal, 2021, 161, 267.	4.7	16
22	Removing Atmospheric Fringes from Zwicky Transient Facility i-band Images using Principal Component Analysis. Publications of the Astronomical Society of the Pacific, 2021, 133, 064503.	3.1	2
23	A highly magnetized and rapidly rotating white dwarf as small as the Moon. Nature, 2021, 595, 39-42.	27.8	56
24	Six Outbursts of Comet 46P/Wirtanen. Planetary Science Journal, 2021, 2, 131.	3.6	7
25	Discovery and confirmation of the shortest gamma-ray burst from a collapsar. Nature Astronomy, 2021, 5, 917-927.	10.1	69
26	Zwicky Transient Facility and Globular Clusters: the Periodâ€“Luminosity and Periodâ€“Luminosityâ€“Color Relations for Late-type Contact Binaries. Astronomical Journal, 2021, 162, 63.	4.7	8
27	Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. Astronomical Journal, 2021, 162, 94.	4.7	8
28	SNIascore: Deep-learning Classification of Low-resolution Supernova Spectra. Astrophysical Journal Letters, 2021, 917, L2.	8.3	11
29	A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. Astronomical Journal, 2021, 162, 113.	4.7	15
30	SN 2020bqj: A Type Ibn supernova with a long-lasting peak plateau. Astronomy and Astrophysics, 2021, 652, A136.	5.1	7
31	Large Adaptive Optics Survey for Substellar Objects around Young, Nearby, Low-mass Stars with Robo-AO. Astronomical Journal, 2021, 162, 102.	4.7	10
32	Fast-transient Searches in Real Time with ZTFReST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. Astrophysical Journal, 2021, 918, 63.	4.5	42
33	Real-time discovery of AT2020xnd: a fast, luminous ultraviolet transient with minimal radioactive ejecta. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5138-5147.	4.4	44
34	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. Astrophysical Journal, 2021, 920, 120.	4.5	12
35	A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. Astrophysical Journal, 2021, 920, 56.	4.5	28
36	Two câ€™s in a pod: cosmology-independent measurement of the Type Ia supernova colourâ€“luminosity relation with a sibling pair. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5340-5356.	4.4	9

#	Article	IF	Citations
37	Faintest of Them All: ZTF 21aaoryiz/SN 2021fcgâ€"Discovery of an Extremely Low Luminosity Type Iax Supernova. Astrophysical Journal Letters, 2021, 921, L6.	8.3	8
38	High spectral resolution multi-tone Spacecraft Doppler tracking software: Algorithms and implementations. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	4
39	AT 2018lqh and the Nature of the Emerging Population of Day-scale Duration Optical Transients. Astrophysical Journal, 2021, 922, 247.	4.5	8
40	A compact X-ray emitting binary in likely association with 4FGLâJ0935.3+0901. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4845-4851.	4.4	11
41	ZTF J1901+5309: a 40.6-min orbital period eclipsing double white dwarf system. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 494, L91-L96.	3.3	19
42	The First Ultracompact Roche Lobeâ€"Filling Hot Subdwarf Binary. Astrophysical Journal, 2020, 891, 45.	4.5	47
43	Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. Physical Review Letters, 2020, 124, 251102.	7.8	226
44	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. Astronomical Journal, 2020, 160, 26.	4.7	28
45	ROBO-AO Kepler Asteroseismic Survey. II. Do Stellar Companions Inhibit Stellar Oscillations?. Astrophysical Journal, 2020, 888, 34.	4.5	5
46	Robo-AO M-dwarf Multiplicity Survey: Catalog*. Astronomical Journal, 2020, 159, 139.	4.7	23
47	Early Ultraviolet Observations of Type IIn Supernovae Constrain the Asphericity of Their Circumstellar Material. Astrophysical Journal, 2020, 899, 51.	4.5	9
48	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. Astrophysical Journal, 2020, 902, 86.	4.5	25
49	SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. Astrophysical Journal, 2020, 900, 46.	4.5	38
50	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. Astrophysical Journal, 2020, 905, 58.	4.5	57
51	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. Astrophysical Journal, 2020, 904, 35.	4.5	107
52	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. Astrophysical Journal, 2020, 904, 155.	4.5	26
53	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32.	4.5	62
54	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	4.5	69

#	Article	IF	Citations
55	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at zÂâ‰ˆÂ2.9 with No Detected Gamma-Ray Burst Counterpart. Astrophysical Journal, 2020, 905, 98.	4.5	24
56	A New Class of Roche Lobeâ€“filling Hot Subdwarf Binaries. Astrophysical Journal Letters, 2020, 898, L25.	8.3	33
57	Characterization of Temporarily Captured Minimoon 2020 CD₃ by Keck Time-resolved Spectrophotometry. Astrophysical Journal Letters, 2020, 900, L45.	8.3	15
58	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. Astrophysical Journal Letters, 2020, 902, L8.	8.3	18
59	An 8.8 Minute Orbital Period Eclipsing Detached Double White Dwarf Binary. Astrophysical Journal Letters, 2020, 905, L7.	8.3	34
60	Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. Research Notes of the AAS, 2020, 4, 13.	0.7	8
61	The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001.	3.1	453
62	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. Nature, 2019, 571, 528-531.	27.8	96
63	A Hot Saturn Near (but Unassociated with) the Open Cluster NGC 1817. Astronomical Journal, 2019, 158, 62.	4.7	4
64	GROWTH on S190510g: DECam Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate. Astrophysical Journal Letters, 2019, 881, L16.	8.3	30
65	Real-bogus classification for the Zwicky Transient Facility using deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3582-3590.	4.4	94
66	A New Class of Changing-look LINERs. Astrophysical Journal, 2019, 883, 31.	4.5	66
67	GROWTH on S190426c: Real-time Search for a Counterpart to the Probable Neutron Starâ€“Black Hole Merger using an Automated Difference Imaging Pipeline for DECam. Astrophysical Journal Letters, 2019, 881, L7.	8.3	39
68	Toward Efficient Detection of Small Near-Earth Asteroids Using the Zwicky Transient Facility (ZTF). Publications of the Astronomical Society of the Pacific, 2019, 131, 078002.	3.1	14
69	Venus Express radio occultation observed by PRIDE. Astronomy and Astrophysics, 2019, 624, A59.	5.1	14
70	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. Astrophysical Journal Letters, 2019, 878, L35.	8.3	32
71	DeepStreaks: identifying fast-moving objects in the Zwicky Transient Facility data with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4158-4165.	4.4	24
72	The GROWTH Marshal: A Dynamic Science Portal for Time-domain Astronomy. Publications of the Astronomical Society of the Pacific, 2019, 131, 038003.	3.1	112

#	Article	IF	Citations
73	Machine Learning for the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 038002.	3.1	83
74	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1031-1049.	4.4	136
75	The Kitt Peak Electron Multiplying CCD demonstrator. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1412-1419.	4.4	16
76	Multiple Outbursts of Asteroid (6478) Gault*. Astrophysical Journal Letters, 2019, 874, L16.	8.3	26
77	2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 048001.	3.1	27
78	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19.	8.3	86
79	Orbital Decay in a 20 Minute Orbital Period Detached Binary with a Hydrogen-poor Low-mass White Dwarf. Astrophysical Journal Letters, 2019, 886, L12.	8.3	42
80	Comet 240P/NEAT Is Stirring. Astrophysical Journal Letters, 2019, 886, L16.	8.3	2
81	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	3.1	1,020
82	Simultaneous Observations of the Northern TESS Sectors by the Zwicky Transient Facility. Research Notes of the AAS, 2019, 3, 136.	0.7	11
83	VLBI and Doppler tracking of spacecraft for planetary atmospheric studies. , 2019, , .		0
84	Robo-AO Kepler Survey. IV. The Effect of Nearby Stars on 3857 Planetary Candidate Systems. Astronomical Journal, 2018, 155, 161.	4.7	39
85	The Performance of the Robo-AO Laser Guide Star Adaptive Optics System at the Kitt Peak 2.1 m Telescope. Astronomical Journal, 2018, 155, 32.	4.7	27
86	Probing the gravitational redshift with an Earth-orbiting satellite. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2192-2198.	2.1	22
87	Planetary Radio Interferometry and Doppler Experiment (PRIDE) technique: A test case of the Mars Express Phobos Flyby. Astronomy and Astrophysics, 2018, 609, A59.	5.1	17
88	Robo-AO Kepler Survey. V. The Effect of Physically Associated Stellar Companions on Planetary Systems. Astronomical Journal, 2018, 156, 83.	4.7	33
89	K2-140b â€“ an eccentric 6.57â€‰d transiting hot Jupiter in Virgo. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1809-1818.	4.4	37
90	LASSO: Large Adaptive optics Survey for Substellar Objects using the new SAPHIRA detector on Robo-AO. , 2018, , .		1

#	Article	IF	Citations
91	ULTRA-SHORT-PERIOD PLANETS IN K2 WITH COMPANIONS: A DOUBLE TRANSITING SYSTEM FOR EPIC 220674823. Astronomical Journal, 2017, 153, 82.	4.7	43
92	Analysis of an Interplanetary Coronal Mass Ejection by a Spacecraft Radio Signal: A Case Study. Space Weather, 2017, 15, 1523-1534.	3.7	8
93	RadioAstron gravitational redshift experiment: Status update. , 2017, , .		0
94	FIVE PLANETS TRANSITING A NINTH MAGNITUDE STAR. Astrophysical Journal Letters, 2016, 827, L10.	8.3	73
95	TWO SMALL PLANETS TRANSITING HD 3167. Astrophysical Journal Letters, 2016, 829, L9.	8.3	70
96	Robo-AO Kitt Peak: status of the system and deployment of a sub-electron readnoise IR camera to detect low-mass companions. Proceedings of SPIE, 2016, , .	0.8	8
97	Planetary Radio Interferometry and Doppler Experiment (PRIDE) technique: A test case of the Mars Express Phobos fly-by. Astronomy and Astrophysics, 2016, 593, A34.	5.1	25
98	The SFXC software correlator for very long baseline interferometry: algorithms and implementation. Experimental Astronomy, 2015, 39, 259-279.	3.7	90
99	RadioAstron as a target and as an instrument: Enhancing the Space VLBI missionâ€™s scientific output. Astronomy and Astrophysics, 2015, 573, A99.	5.1	12
100	Observations and analysis of phase scintillation of spacecraft signal on the interplanetary plasma. Astronomy and Astrophysics, 2014, 564, A4.	5.1	17
101	Spacecraft VLBI and Doppler tracking: algorithms and implementation. Astronomy and Astrophysics, 2012, 541, A43.	5.1	71
102	A tropospheric signal delay model for radio astronomical observations. Astronomy Reports, 2011, 55, 1008-1015.	0.9	3
103	Monitoring crustal deformations in the Northern Caucasus using a high precision long base laser strainmeter and the GPS/GLONASS network. Journal of Geodynamics, 2010, 49, 216-223.	1.6	15