

Francisco Fajrster

List of Publications by Year in descending order

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62
papers

2,464
citations

218592

26
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197736

49
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63
all docs

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docs citations

63
times ranked

2477
citing authors

#	ARTICLE	IF	CITATIONS
1	Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A40.	2.1	9
2	Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A41.	2.1	19
3	Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A42.	2.1	11
4	The Early Discovery of SN 2017ahn: Signatures of Persistent Interaction in a Fast-declining Type II Supernova. <i>Astrophysical Journal</i> , 2021, 907, 52.	1.6	22
5	Alert Classification for the ALerCE Broker System: The Light Curve Classifier. <i>Astronomical Journal</i> , 2021, 161, 141.	1.9	48
6	The Automatic Learning for the Rapid Classification of Events (ALerCE) Alert Broker. <i>Astronomical Journal</i> , 2021, 161, 242.	1.9	76
7	The G 305 Star-forming Region. II. Irregular Variable Stars. <i>Astrophysical Journal</i> , 2021, 914, 28.	1.6	4
8	Searching for Changing-state AGNs in Massive Data Sets. I. Applying Deep Learning and Anomaly-detection Techniques to Find AGNs with Anomalous Variability Behaviors. <i>Astronomical Journal</i> , 2021, 162, 206.	1.9	18
9	Alert Classification for the ALerCE Broker System: The Real-time Stamp Classifier. <i>Astronomical Journal</i> , 2021, 162, 231.	1.9	20
10	Carnegie Supernova Project: The First Homogeneous Sample of Super-Chandrasekhar-mass/2003fg-like Type Ia Supernovae. <i>Astrophysical Journal</i> , 2021, 922, 205.	1.6	18
11	Luminous Type II supernovae for their low expansion velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5882-5901.	1.6	15
12	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4860-4892.	1.6	12
13	Introducing the Search for Intermediate-mass Black Holes in Nearby Galaxies (SIBLING) Survey. <i>Astrophysical Journal</i> , 2020, 889, 113.	1.6	22
14	Asteroidsâ€™ Size Distribution and Colors from HITS. <i>Astronomical Journal</i> , 2020, 159, 148.	1.9	11
15	Progenitor properties of type II supernovae: fitting to hydrodynamical models using Markov chain Monte Carlo methods. <i>Astronomy and Astrophysics</i> , 2020, 642, A143.	2.1	15
16	Design and Operation of the ATLAS Transient Science Server. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 085002.	1.0	138
17	Optical and Near-infrared Observations of the Nearby SN Ia 2017cbv. <i>Astrophysical Journal</i> , 2020, 904, 14.	1.6	12
18	Deep Learning for Image Sequence Classification of Astronomical Events. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 108006.	1.0	36

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19	Fast Algorithms for Slow Moving Asteroids: Constraints on the Distribution of Kuiper Belt Objects. <i>Astronomical Journal</i> , 2019, 157, 119.	1.9	16
20	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 014002.	1.0	55
21	Asteroids in the High Cadence Transient Survey. <i>Astronomical Journal</i> , 2018, 155, 135.	1.9	6
22	Discovery of Distant RR Lyrae Stars in the Milky Way Using DECam. <i>Astrophysical Journal</i> , 2018, 855, 43.	1.6	33
23	A fast-evolving luminous transient discovered by K2/Kepler. <i>Nature Astronomy</i> , 2018, 2, 307-311.	4.2	87
24	The High Cadence Transit Survey (HiTS): Compilation and Characterization of Light-curve Catalogs. <i>Astronomical Journal</i> , 2018, 156, 186.	1.9	15
25	The delay of shock breakout due to circumstellar material evident in most type II supernovae. <i>Nature Astronomy</i> , 2018, 2, 808-818.	4.2	86
26	Type IIP supernova light curves affected by the acceleration of red supergiant winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2840-2851.	1.6	53
27	Robust Period Estimation Using Mutual Information for Multiband Light Curves in the Synoptic Survey Era. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 12.	3.0	24
28	Continuum Foreground Polarization and Na i Absorption in Type Ia SNe*. <i>Astrophysical Journal</i> , 2017, 836, 88.	1.6	14
29	Deep-HiTS: Rotation Invariant Convolutional Neural Network for Transient Detection. <i>Astrophysical Journal</i> , 2017, 836, 97.	1.6	84
30	Serendipitous Discovery of RR Lyrae Stars in the Leo V Ultra-faint Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 845, L10.	3.0	22
31	The High-Cadence Transient Survey (HiTS): Early Supernova Light-Curves. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 66-66.	0.0	0
32	MUSE REVEALS A RECENT MERGER IN THE POST-STARBURST HOST GALAXY OF THE TDE ASASSN-14li. <i>Astrophysical Journal Letters</i> , 2016, 830, L32.	3.0	40
33	Correntropy based filtering for supernova detection. , 2016, , .		1
34	THE HIGH CADENCE TRANSIENT SURVEY (HiTS). I. SURVEY DESIGN AND SUPERNOVA SHOCK BREAKOUT CONSTRAINTS. <i>Astrophysical Journal</i> , 2016, 832, 155.	1.6	44
35	Supernovae detection by using convolutional neural networks. , 2016, , .		15
36	Characterizing the environments of supernovae with MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4087-4099.	1.6	91

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37	Discriminating Variable Star Candidates in Large Image Databases from the HiTS Survey Using NMF. <i>Procedia Computer Science</i> , 2015, 53, 29-38.	1.2	2
38	Comprehensive observations of the bright and energetic Type Iax SN 2012Z: Interpretation as a Chandrasekhar mass white dwarf explosion. <i>Astronomy and Astrophysics</i> , 2015, 573, A2.	2.1	88
39	On the environments of Type Ia supernovae within host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 732-753.	1.6	36
40	The rise-time of Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2212-2229.	1.6	102
41	SEARCHING FOR LIGHT ECHOES DUE TO CIRCUMSTELLAR MATTER IN SNe Ia SPECTRA. <i>Astrophysical Journal</i> , 2015, 806, 134.	1.6	5
42	SN 2011A: A LOW-LUMINOSITY INTERACTING TRANSIENT WITH A DOUBLE PLATEAU AND STRONG SODIUM ABSORPTION. <i>Astrophysical Journal</i> , 2015, 807, 63.	1.6	12
43	The state of Pluto's atmosphere in 2012–2013. <i>Icarus</i> , 2015, 246, 237-246.	1.1	20
44	SN 2009N: linking normal and subluminous Type II-P SNe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 368-387.	1.6	62
45	SN 2011hs: a fast and faint Type IIb supernova from a supergiant progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1807-1828.	1.6	54
46	DEFINING PHOTOMETRIC PECULIAR TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 795, 142.	1.6	25
47	SUPERNOVA 2010as: THE LOWEST-VELOCITY MEMBER OF A FAMILY OF FLAT-VELOCITY TYPE IIb SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 792, 7.	1.6	41
48	CHARACTERIZING THE i -BAND LIGHT-CURVES OF HYDROGEN-RICH TYPE II SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 786, 67.	1.6	241
49	PERSISTENT C II ABSORPTION IN THE NORMAL TYPE Ia SUPERNOVA 2002fk. <i>Astrophysical Journal</i> , 2014, 789, 89.	1.6	25
50	A statistical analysis of circumstellar material in Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 222-240.	1.6	100
51	ON THE LIRA LAW AND THE NATURE OF EXTINCTION TOWARD TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 772, 19.	1.6	20
52	SPECTROSCOPY OF TYPE Ia SUPERNOVAE BY THE CARNEGIE SUPERNOVA PROJECT. <i>Astrophysical Journal</i> , 2013, 773, 53.	1.6	122
53	EVIDENCE FOR ASYMMETRIC DISTRIBUTION OF CIRCUMSTELLAR MATERIAL AROUND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2012, 754, L21.	3.0	17
54	A study of the color diversity around maximum light in Type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2011, 534, L15.	2.1	13

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55	Hydrostatic ¹² C Burning in CO WDs: the Simmering Phase of SNe Ia Progenitors. Proceedings of the International Astronomical Union, 2011, 7, 284-290.	0.0	0
56	SN 2009bb: A PECULIAR BROAD-LINED TYPE Ic SUPERNOVA,. Astrophysical Journal, 2011, 728, 14.	1.6	83
57	SIMPLIFIED HYDROSTATIC CARBON BURNING IN WHITE DWARF INTERIORS. Astrophysical Journal, Supplement Series, 2010, 190, 334-347.	3.0	3
58	Scheduling in Targeted Transient Surveys and a New Telescope for CHASE. Advances in Astronomy, 2010, 2010, 1-8.	0.5	3
59	The CHilean Automatic Supernova sEarch (CHASE). , 2009, , .		21
60	The radial distribution of Type Ia supernovae in early-type galaxies: implications for progenitor scenarios. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 388, L74-L78.	1.2	31
61	Constraints on Type Ia supernova progenitor time delays from high-z supernovae and the star formation history. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1893-1904.	1.6	51
62	Morphological Analysis of the Centimeterâ€Wave Continuum in the Dark Cloud LDN 1622. Astrophysical Journal, 2006, 639, 951-964.	1.6	90