Francisco FÃ¶rster

List of Publications by Year
in descending order

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62 papers	2,464 citations	218592 26 h-index	197736 49 g-index
63 all docs	63 docs citations	63 times ranked	2477 citing authors

#	Article	IF	Citations
1	CHARACTERIZING THEV-BAND LIGHT-CURVES OF HYDROGEN-RICH TYPE II SUPERNOVAE. Astrophysical Journal, 2014, 786, 67.	1.6	241
2	Design and Operation of the ATLAS Transient Science Server. Publications of the Astronomical Society of the Pacific, 2020, 132, 085002.	1.0	138
3	SPECTROSCOPY OF TYPE Ia SUPERNOVAE BY THE CARNEGIE SUPERNOVA PROJECT. Astrophysical Journal, 2013, 773, 53.	1.6	122
4	The rise-time of Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2212-2229.	1.6	102
5	A statistical analysis of circumstellar material in Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 436, 222-240.	1.6	100
6	Characterizing the environments of supernovae with MUSE. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4087-4099.	1.6	91
7	Morphological Analysis of the Centimeterâ€Wave Continuum in the Dark Cloud LDN 1622. Astrophysical Journal, 2006, 639, 951-964.	1.6	90
8	Comprehensive observations of the bright and energetic Type Iax SN 2012Z: Interpretation as a Chandrasekhar mass white dwarf explosion. Astronomy and Astrophysics, 2015, 573, A2.	2.1	88
9	A fast-evolving luminous transient discovered by K2/Kepler. Nature Astronomy, 2018, 2, 307-311.	4.2	87
10	The delay of shock breakout due to circumstellar material evident in most type II supernovae. Nature Astronomy, 2018, 2, 808-818.	4.2	86
11	Deep-HiTS: Rotation Invariant Convolutional Neural Network for Transient Detection^{â^—}. Astrophysical Journal, 2017, 836, 97.	1.6	84
12	SN 2009bb: A PECULIAR BROAD-LINED TYPE Ic SUPERNOVA,. Astrophysical Journal, 2011, 728, 14.	1.6	83
13	The Automatic Learning for the Rapid Classification of Events (ALeRCE) Alert Broker. Astronomical Journal, 2021, 161, 242.	1.9	76
14	SN 2009N: linking normal and subluminous Type II-P SNe. Monthly Notices of the Royal Astronomical Society, 2014, 438, 368-387.	1.6	62
15	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. Publications of the Astronomical Society of the Pacific, 2019, 131, 014002.	1.0	55
16	SNÂ2011hs: a fast and faint Type IIb supernova from a supergiant progenitor. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1807-1828.	1.6	54
17	Type IIP supernova light curves affected by the acceleration of red supergiant winds. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2840-2851.	1.6	53
18	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

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19	Alert Classification for the ALeRCE Broker System: The Light Curve Classifier. Astronomical Journal, 2021, 161, 141.	1.9	48
20	THE HIGH CADENCE TRANSIENT SURVEY (HITS). I. SURVEY DESIGN AND SUPERNOVA SHOCK BREAKOUT CONSTRAINTS. Astrophysical Journal, 2016, 832, 155.	1.6	44
21	SUPERNOVA 2010as: THE LOWEST-VELOCITY MEMBER OF A FAMILY OF FLAT-VELOCITY TYPE IIb SUPERNOVAE. Astrophysical Journal, 2014, 792, 7.	1.6	41
22	MUSE REVEALS A RECENT MERGER IN THE POST-STARBURST HOST GALAXY OF THE TDE ASASSN-14li. Astrophysical Journal Letters, 2016, 830, L32.	3.0	40
23	On the environments of Type Ia supernovae within host galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 448, 732-753.	1.6	36
24	Deep Learning for Image Sequence Classification of Astronomical Events. Publications of the Astronomical Society of the Pacific, 2019, 131, 108006.	1.0	36
25	Discovery of Distant RR Lyrae Stars in the Milky Way Using DECam. Astrophysical Journal, 2018, 855, 43.	1.6	33
26	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
27	DEFINING PHOTOMETRIC PECULIAR TYPE Ia SUPERNOVAE. Astrophysical Journal, 2014, 795, 142.	1.6	25
28	PERSISTENT C II ABSORPTION IN THE NORMAL TYPE Ia SUPERNOVA 2002fk. Astrophysical Journal, 2014, 789, 89.	1.6	25
29	Robust Period Estimation Using Mutual Information for Multiband Light Curves in the Synoptic Survey Era. Astrophysical Journal, Supplement Series, 2018, 236, 12.	3.0	24
30	Serendipitous Discovery of RR Lyrae Stars in the Leo V Ultra-faint Galaxy. Astrophysical Journal Letters, 2017, 845, L10.	3.0	22
31	Introducing the Search for Intermediate-mass Black Holes in Nearby Galaxies (SIBLING) Survey. Astrophysical Journal, 2020, 889, 113.	1.6	22
32	The Early Discovery of SN 2017ahn: Signatures of Persistent Interaction in a Fast-declining Type II Supernova. Astrophysical Journal, 2021, 907, 52.	1.6	22
33	The CHilean Automatic Supernova sEarch (CHASE). , 2009, , .		21
34	ON THE LIRA LAW AND THE NATURE OF EXTINCTION TOWARD TYPE Ia SUPERNOVAE. Astrophysical Journal, 2013, 772, 19.	1.6	20
35	The state of Plutoâ€™s atmosphere in 2012â€“2013. Icarus, 2015, 246, 237-246.	1.1	20
36	Alert Classification for the ALeRCE Broker System: The Real-time Stamp Classifier. Astronomical Journal, 2021, 162, 231.	1.9	20

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37	Type II supernovae from the Carnegie Supernova Project-I. Astronomy and Astrophysics, 2022, 660, A41.	2.1	19
38	Searching for Changing-state AGNs in Massive Data Sets. I. Applying Deep Learning and Anomaly-detection Techniques to Find AGNs with Anomalous Variability Behaviors. Astronomical Journal, 2021, 162, 206.	1.9	18
39	Carnegie Supernova Project: The First Homogeneous Sample of Super-Chandrasekhar-mass/2003fg-like Type Ia Supernovae. Astrophysical Journal, 2021, 922, 205.	1.6	18
40	EVIDENCE FOR ASYMMETRIC DISTRIBUTION OF CIRCUMSTELLAR MATERIAL AROUND TYPE Ia SUPERNOVAE. Astrophysical Journal Letters, 2012, 754, L21.	3.0	17
41	Fast Algorithms for Slow Moving Asteroids: Constraints on the Distribution of Kuiper Belt Objects. Astronomical Journal, 2019, 157, 119.	1.9	16
42	Supernovae detection by using convolutional neural networks. , 2016, , .		15
43	The High Cadence Transit Survey (HiTS): Compilation and Characterization of Light-curve Catalogs. Astronomical Journal, 2018, 156, 186.	1.9	15
44	Luminous Type II supernovae for their low expansion velocities. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5882-5901.	1.6	15
45	Progenitor properties of type II supernovae: fitting to hydrodynamical models using Markov chain Monte Carlo methods. Astronomy and Astrophysics, 2020, 642, A143.	2.1	15
46	Continuum Foreground Polarization and Na i Absorption in Type Ia SNe*. Astrophysical Journal, 2017, 836, 88.	1.6	14
47	A study of the color diversity around maximum light inÂTypeÂIaÂsupernovae. Astronomy and Astrophysics, 2011, 534, L15.	2.1	13
48	SN 2011A: A LOW-LUMINOSITY INTERACTING TRANSIENT WITH A DOUBLE PLATEAU AND STRONG SODIUM ABSORPTION. Astrophysical Journal, 2015, 807, 63.	1.6	12
49	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4860-4892.	1.6	12
50	Optical and Near-infrared Observations of the Nearby SN Ia 2017cbv. Astrophysical Journal, 2020, 904, 14.	1.6	12
51	Asteroidsâ€™ Size Distribution and Colors from HITS. Astronomical Journal, 2020, 159, 148.	1.9	11
52	Type II supernovae from the Carnegie Supernova Project-I. Astronomy and Astrophysics, 2022, 660, A42.	2.1	11
53	Type II supernovae from the Carnegie Supernova Project-I. Astronomy and Astrophysics, 2022, 660, A40.	2.1	9
54	Asteroids in the High Cadence Transient Survey. Astronomical Journal, 2018, 155, 135.	1.9	6

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55	SEARCHING FOR LIGHT ECHOES DUE TO CIRCUMSTELLAR MATTER IN SNe Ia SPECTRA. Astrophysical Journal, 2015, 806, 134.	1.6	5
56	The G 305 Star-forming Region. II. Irregular Variable Stars. Astrophysical Journal, 2021, 914, 28.	1.6	4
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	Discriminating Variable Star Candidates in Large Image Databases from the HiTS Survey Using NMF. Procedia Computer Science, 2015, 53, 29-38.	1.2	2
60	Correntropy based filtering for supernova detection. , 2016, , .		1
61	Hydrostatic ¹²C Burning in CO WDs: the Simmering Phase of SNe Ia Progenitors. Proceedings of the International Astronomical Union, 2011, 7, 284-290.	0.0	0
62	The High-Cadence Transient Survey (HiTS): Early Supernova Light-Curves. Proceedings of the International Astronomical Union, 2017, 14, 66-66.	0.0	0