

Yanxia Zhang

List of Publications by Year in descending order

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45
papers

735
citations

759233

12
h-index

552781

26
g-index

45
all docs

45
docs citations

45
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of 4XMM-DR9 sources by machine learning. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5263-5273.	4.4	10
2	A survey on machine learning based light curve analysis for variable astronomical sources. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1425.	6.8	4
3	Photometric redshift estimation of BASS DR3 quasars by machine learning. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2289-2303.	4.4	11
4	RR Lyrae Star Candidates from SDSS Databases by Cost-sensitive Random Forests. Astrophysical Journal, Supplement Series, 2020, 246, 8.	7.7	4
5	The Large Sky Area Multi-object Fiber Spectroscopic Telescope (LAMOST) Quasar Survey: The Fourth and Fifth Data Releases. Astrophysical Journal, Supplement Series, 2019, 240, 6.	7.7	33
6	Efficient selection of quasar candidates based on optical and infrared photometric data using machine learning. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4539-4549.	4.4	29
7	Imbalanced Learning for RR Lyrae Stars Based on SDSS and GALEX Databases. Astronomical Journal, 2018, 155, 108.	4.7	8
8	ELM-KNN for photometric redshift estimation of quasars. Proceedings of the International Astronomical Union, 2016, 12, 225-228.	0.0	0
9	A team spectral inspection platform based on ASERA. Proceedings of the International Astronomical Union, 2016, 12, 320-323.	0.0	0
10	Improving Accuracy of Quasars' Photometric Redshift Estimation by Integration of KNN and SVM. Proceedings of the International Astronomical Union, 2015, 11, 209-209.	0.0	1
11	Astronomy in the Big Data Era. Data Science Journal, 2015, 14, 11.	1.3	66
12	Data-mining Based Expert Platform for the Spectral Inspection. Proceedings of the International Astronomical Union, 2014, 10, 292-294.	0.0	0
13	Statistical analysis of cross-correlation sample of 3XMM-DR4 with SDSS-DR10 and UKIDSS-DR9. Proceedings of the International Astronomical Union, 2014, 10, 372-374.	0.0	0
14	A SVM-kNN method for quasar-star classification. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1227-1234.	5.1	18
15	ASERA: A spectrum eye recognition assistant for quasar spectra. Astronomy and Computing, 2013, 3-4, 65-69.	1.7	19
16	ESTIMATING PHOTOMETRIC REDSHIFTS OF QUASARS VIA THE <i>k</i> -NEAREST NEIGHBOR APPROACH BASED ON LARGE SURVEY DATABASES. Astronomical Journal, 2013, 146, 22.	4.7	20
17	Development of target allocation methods for LAMOST focal plate. Proceedings of the International Astronomical Union, 2013, 9, 452-452.	0.0	0
18	Selecting quasar candidates using a support vector machine classification system. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2599-2609.	4.4	29

#	ARTICLE	IF	CITATIONS
19	SDSS QUASARS IN THE <i>WISE</i> PRELIMINARY DATA RELEASE AND QUASAR CANDIDATE SELECTION WITH OPTICAL/INFRARED COLORS. <i>Astronomical Journal</i> , 2012, 144, 49.	4.7	89
20	Toolkit of automated database creation and cross-match. , 2012, , .		0
21	Discriminating Quasars from Stars Based on SDSS and UKIDSS Databases. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 180-180.	0.0	0
22	Classification of Quasars and Stars by Supervised and Unsupervised Methods. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 333-334.	0.0	1
23	Exploration of SDSS stellar database by AutoClass. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 1717-1726.	5.1	0
24	Separating quasars from stars by support vector machines. , 2010, , .		1
25	A simple and effective algorithm for quasar candidate selection. , 2010, , .		1
26	An automated algorithm for determining photometric redshifts of quasars. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
27	Comparison of several algorithms for celestial object classification. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
28	Support vector machines for quasar selection. , 2010, , .		1
29	Automated classification of pointed sources. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
30	A high efficient and fast kNN algorithm based on CUDA. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
31	Morphology classification and photometric redshift measurement of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 233-239.	4.4	12
32	Automated Classification of Quasars and Stars. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 147-147.	0.0	1
33	k-Nearest Neighbors for automated classification of celestial objects. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 916-922.	0.2	26
34	Feature selection for high-dimensional data in astronomy. <i>Advances in Space Research</i> , 2008, 41, 1960-1964.	2.6	30
35	Decision table for classifying point sources based on FIRST and 2MASS databases. <i>Advances in Space Research</i> , 2008, 41, 1949-1954.	2.6	5
36	Comparison of decision tree methods for finding active objects. <i>Advances in Space Research</i> , 2008, 41, 1955-1959.	2.6	258

#	ARTICLE	IF	CITATIONS
37	Radio Star Candidates from FIRST and 2MASS Databases. Proceedings of the International Astronomical Union, 2008, 4, 129-130.	0.0	0
38	Knowledge discovery in astronomical data. Proceedings of SPIE, 2008, , .	0.8	8
39	System architectural design of multiwavelength data mining. , 2008, , .		1
40	Support Vector Machines for Photometric Redshift Estimation from Broadband Photometry. Data Science Journal, 2007, 6, S474-S480.	1.3	1
41	Software kits for measuring photometric redshifts. , 2006, , .		1
42	A system integrated with query, cross-matching and visualization. , 2006, , .		2
43	Classification in Multidimensional Parameter Space: Methods and Examples. Publications of the Astronomical Society of the Pacific, 2003, 115, 1006-1018.	3.1	33
44	Identification of BASS DR3 sources as stars, galaxies and quasars by XGBoost. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	9
45	TSCat: Data Model and Storage Engine for AI-based Light Curve Analysis. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0