

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	Comparison of decision tree methods for finding active objects. <i>Advances in Space Research</i> , 2008, 41, 1955-1959.	2.6	258
2	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
3	Astronomy in the Big Data Era. <i>Data Science Journal</i> , 2015, 14, 11.	1.3	66
4	Classification in Multidimensional Parameter Space: Methods and Examples. <i>Publications of the Astronomical Society of the Pacific</i> , 2003, 115, 1006-1018.	3.1	33
5	The Large Sky Area Multi-object Fiber Spectroscopic Telescope (LAMOST) Quasar Survey: The Fourth and Fifth Data Releases. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 6.	7.7	33
6	Feature selection for high-dimensional data in astronomy. <i>Advances in Space Research</i> , 2008, 41, 1960-1964.	2.6	30
7	Selecting quasar candidates using a support vector machine classification system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 2599-2609.	4.4	29
8	Efficient selection of quasar candidates based on optical and infrared photometric data using machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4539-4549.	4.4	29
9	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
10	ESTIMATING PHOTOMETRIC REDSHIFTS OF QUASARS VIA THE <i>k</i> -NEAREST NEIGHBOR APPROACH BASED ON LARGE SURVEY DATABASES. <i>Astronomical Journal</i> , 2013, 146, 22.	4.7	20
11	ASERA: A spectrum eye recognition assistant for quasar spectra. <i>Astronomy and Computing</i> , 2013, 3-4, 65-69.	1.7	19
12	A SVM-kNN method for quasar-star classification. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1227-1234.	5.1	18
13	Morphology classification and photometric redshift measurement of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 233-239.	4.4	12
14	Photometric redshift estimation of BASS DR3 quasars by machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2289-2303.	4.4	11
15	Classification of 4XMM-DR9 sources by machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5263-5273.	4.4	10
16	Identification of BASS DR3 sources as stars, galaxies and quasars by XGBoost. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	9
17	Knowledge discovery in astronomical data. <i>Proceedings of SPIE</i> , 2008, , .	0.8	8
18	Imbalanced Learning for RR Lyrae Stars Based on SDSS and GALEX Databases. <i>Astronomical Journal</i> , 2018, 155, 108.	4.7	8

#	ARTICLE	IF	CITATIONS
19	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
20	RR Lyrae Star Candidates from SDSS Databases by Cost-sensitive Random Forests. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 8.	7.7	4
21	A survey on machine learning based light curve analysis for variable astronomical sources. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2021, 11, e1425.	6.8	4
22	A system integrated with query, cross-matching and visualization. , 2006, , .		2
23	Automated classification of pointed sources. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
24	Software kits for measuring photometric redshifts. , 2006, , .		1
25	System architectural design of multiwavelength data mining. , 2008, , .		1
26	Automated Classification of Quasars and Stars. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 147-147.	0.0	1
27	Separating quasars from stars by support vector machines. , 2010, , .		1
28	A simple and effective algorithm for quasar candidate selection. , 2010, , .		1
29	Support vector machines for quasar selection. , 2010, , .		1
30	A high efficient and fast kNN algorithm based on CUDA. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
31	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
32	Improving Accuracy of Quasars' Photometric Redshift Estimation by Integration of KNN and SVM. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 209-209.	0.0	1
33	Support Vector Machines for Photometric Redshift Estimation from Broadband Photometry. <i>Data Science Journal</i> , 2007, 6, S474-S480.	1.3	1
34	Radio Star Candidates from FIRST and 2MASS Databases. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 129-130.	0.0	0
35	An automated algorithm for determining photometric redshifts of quasars. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
36	Comparison of several algorithms for celestial object classification. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0

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37	Exploration of SDSS stellar database by AutoClass. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1717-1726.	5.1	0
38	Toolkit of automated database creation and cross-match. , 2012, , .		0
39	Discriminating Quasars from Stars Based on SDSS and UKIDSS Databases. Proceedings of the International Astronomical Union, 2012, 8, 180-180.	0.0	0
40	Development of target allocation methods for LAMOST focal plate. Proceedings of the International Astronomical Union, 2013, 9, 452-452.	0.0	0
41	Data-mining Based Expert Platform for the Spectral Inspection. Proceedings of the International Astronomical Union, 2014, 10, 292-294.	0.0	0
42	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
43	ELM-KNN for photometric redshift estimation of quasars. Proceedings of the International Astronomical Union, 2016, 12, 225-228.	0.0	0
44	A team spectral inspection platform based on ASERA. Proceedings of the International Astronomical Union, 2016, 12, 320-323.	0.0	0
45	TSCat: Data Model and Storage Engine for AI-based Light Curve Analysis. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0