Minia Manteiga

List of Publications by Year in descending order

80 papers	18,158 citations	236925 25 h-index	133252 59 g-index
83 all docs	83 docs citations	83 times ranked	11278 citing authors

#	Article	IF	Citations
1	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
2	TheGaiamission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
3	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
4	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
5	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
6	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
7	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
8	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
9	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
10	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 650, C3.	5.1	137
11	A spectroscopic atlas of post-AGB stars and planetary nebulae selected from the IRAS point source catalogue. Astronomy and Astrophysics, 2006, 458, 173-180.	5.1	121
12	TheGaiaastrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	5.1	115
13	GaiaData Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101
14	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A7.	5.1	84
15	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A13.	5.1	78
16	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
17	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
18	Stellar parametrization fromGaiaRVS spectra. Astronomy and Astrophysics, 2016, 585, A93.	5.1	62

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19	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	5.1	60
20	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A9.	5.1	55
21	Whole Earth Telescope observations of BPMÂ37093: AÂseismological test of crystallization theory in white dwarfs. Astronomy and Astrophysics, 2005, 432, 219-224.	5.1	55
22	A Whole Earth Telescope campaign on the pulsating subdwarf B binary system PG 1336â˜'018 (NY Vir). Monthly Notices of the Royal Astronomical Society, 2003, 345, 834-846.	4.4	46
23	A cloud-integrated web platform for marine monitoring using GIS and remote sensing. Application to oil spill detection through SAR images. Future Generation Computer Systems, 2014, 34, 155-160.	7.5	46
24	Infrared Space ObservatoryObservations of IRAS 16594â˜'4656: A New Protoâ€"Planetary Nebula with a Strong 21 Micron Dust Feature. Astrophysical Journal, 1999, 513, 941-946.	4.5	43
25	Constraining the Evolution of ZZ Ceti. Astrophysical Journal, 2003, 594, 961-970.	4.5	37
26	STARMIND: A FUZZY LOGIC KNOWLEDGE-BASED SYSTEM FOR THE AUTOMATED CLASSIFICATION OF STARS IN THE MK SYSTEM. Astronomical Journal, 2009, 137, 3245-3253.	4.7	25
27	ANNs and Wavelets: A Strategy forGaiaRVS Low S/N Stellar Spectra Parameterization. Publications of the Astronomical Society of the Pacific, 2010, 122, 608-617.	3.1	25
28	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. Nature Communications, 2020, 11, 3759.	12.8	23
29	SOM ensemble for unsupervised outlier analysis. Application to outlier identification in the Gaia astronomical survey. Expert Systems With Applications, 2013, 40, 1530-1541.	7.6	22
30	An approach to the analysis of SDSS spectroscopic outliers based on self-organizing maps. Astronomy and Astrophysics, 2013, 559, A7.	5.1	22
31	Planetary nebulae in Gaia EDR3: Central star identification, properties, and binarity. Astronomy and Astrophysics, 2021, 656, A51.	5.1	20
32	Automated knowledge-based analysis and classification of stellar spectra using fuzzy reasoning. Expert Systems With Applications, 2004, 27, 237-244.	7.6	19
33	Properties of central stars of planetary nebulae with distances in Gaia DR2. Astronomy and Astrophysics, 2019, 630, A150.	5.1	19
34	On the estimation of stellar parameters with uncertainty prediction from Generative Artificial Neural Networks: application toGaiaRVS simulated spectra. Astronomy and Astrophysics, 2016, 594, A68.	5.1	15
35	Morphology, kinematics and dynamics of bulges of spirals. 1: Kinematics of the bulge of NGC 5055, A MAGN. Astronomical Journal, 1995, 109, 140.	4.7	13
36	HSC: A multi-resolution clustering strategy in Self-Organizing Maps applied to astronomical observations. Applied Soft Computing Journal, 2012, 12, 204-215.	7.2	11

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37	Detection of a multishell planetary nebula around the hot subdwarf O-type star 2MASSâ€‰J19310888+4324577. Astronomy and Astrophysics, 2013, 552, A25.	5.1	11
38	IRAS 17423â€“1755 (HEN 3â€“1475) REVISITED: AN O-RICH HIGH-MASS POST-ASYMPTOTIC GIANT BRANCH STAR. Astronomical Journal, 2011, 141, 80.	4.7	8
39	The Galactic globular cluster system - Theoretical constraints for alpha-enhanced compositions. Astrophysical Journal, 1991, 380, 484.	4.5	7
40	Wide binaries in planetary nebulae withGaiaDR2. Astronomy and Astrophysics, 2020, 644, A173.	5.1	7
41	Parameterization of RVS synthetic stellar spectra for the ESA Gaia mission: Study of the optimal domain for ANN training. Expert Systems With Applications, 2010, 37, 1719-1727.	7.6	6
42	A Comparative Study of KBS, ANN and Statistical Clustering Techniques for Unattended Stellar Classification. Lecture Notes in Computer Science, 2005, , 566-577.	1.3	6
43	Gaia Data Release 2. Astronomy and Astrophysics, 2020, 642, C1.	5.1	6
44	Gaia DR2 Distances to Planetary Nebulae. Galaxies, 2020, 8, 29.	3.0	4
45	Gaia Data Release 2. Astronomy and Astrophysics, 2020, 637, C3.	5.1	4
46	AI-based user authentication reinforcement by continuous extraction of behavioral interaction features. Neural Computing and Applications, 2022, 34, 11691-11705.	5.6	4
47	The contribution to population in ellipticals of blue stragglers: A test of their origin. Astrophysics and Space Science, 1989, 156, 169-171.	1.4	3
48	Distributed Fast Self-Organized Maps for Massive Spectrophotometric Data Analysis. Sensors, 2018, 18, 1419.	3.8	3
49	GUASOM: an adaptive visualization tool for unsupervised clustering in spectrophotometric astronomical surveys. Neural Computing and Applications, 0, , 1.	5.6	3
50	A distributed learning algorithm for Self-Organizing Maps intended for outlier analysis in the GAIA â€“ ESA mission. , 0, , .		3
51	The Central Star of NGC 2346 as a Clue to Binary Evolution through the Common Envelope Phase. Astrophysical Journal, 2019, 885, 84.	4.5	2
52	Parameter Extraction from RVS Stellar Spectra by Means of Artificial Neural Networks and Spectral Density Analysis. Lecture Notes in Computer Science, 2008, , 212-219.	1.3	2
53	Morphology, Kinematics, and Dynamics of Bulges of Spirals.II.Surface Photometry of the Central Part of NGC 5055. Astronomical Journal, 1996, 112, 1894.	4.7	2
54	Preliminary Results from XCOV 17: PG 1336-018. Open Astronomy, 2000, 9, .	0.6	1

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55	A Closer View of the Nucleus of NGC 4314. Astrophysics and Space Science, 2001, 276, 539-543.	1.4	1
56	Photometric Studies of O-type Hot Subdwarfs. Astrophysics and Space Science, 2004, 291, 431-434.	1.4	1
57	PN G000.2+06.1 and PN G002.3+02.2: Two New Type I Planetary Nebulae in the Galactic Bulge. Astronomical Journal, 2004, 127, 3437-3443.	4.7	1
58	A Blended Artificial Intelligence Approach for Spectral Classification of Stars in Massive Astronomical Surveys. Entropy, 2020, 22, 518.	2.2	1
59	Cloud Integrated Web Platform for Marine Monitoring Using GIS and Remote Sensing: Application to Oil Spill Detection through SAR Images. Lecture Notes in Computer Science, 2012, , 446-453.	1.3	1
60	Analysis and Knowledge Discovery by Means of Self-Organizing Maps for Gaia Data Releases. Lecture Notes in Computer Science, 2016, , 137-144.	1.3	1
61	Identification of new hot subdwarf binary systems by means of Virtual Observatory tools. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4239-4245.	4.4	1
62	Infrared photometry of open clusters: the main sequence of NGC 752. Astrophysics and Space Science, 1990, 169, 49-53.	1.4	0
63	Optical Classification of IRAS Post-AGB Candidates. Astrophysics and Space Science, 1998, 263, 283-286.	1.4	0
64	Hot Subdwarfs: Magnetic, Oscillatory and Other Physical Properties. Astrophysics and Space Science, 2003, 284, 269-272.	1.4	0
65	Constraining the Evolution of ZZ Ceti. Open Astronomy, 2003, 12, .	0.6	0
66	An intelligent system for the spectral classification of stars. artificial neural networks vs. statistical clustering techniques. , 0, , .		0
67	Expert systems and artificial neural networks applied to stellar optical spectroscopy: a comparative analysis. , 0, , .		0
68	Stellar Evolution in the Post-AGB Stage. AIP Conference Proceedings, 2005, , .	0.4	0
69	A User-Friendly Framework for Multilanguage ANN Generation: Real Case Applications. , 2007, , .		0
70	Gaia future contribution to the study of PNe. Proceedings of the International Astronomical Union, 2011, 7, 428-429.	0.0	0
71	Gaia and the Planetary Nebulae. Proceedings of the International Astronomical Union, 2016, 12, 305-308.	0.0	0
72	Optical Survey of Post-AGB Candidates. Astrophysics and Space Science Library, 2001, , 21-27.	2.7	0

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73	Cooperative AI Techniques for Stellar Spectra Classification. , 2006, , 332-346.		0
74	Outlier Analysis in BP/RP Spectral Bands. Lecture Notes in Computer Science, 2009, , 378-386.	1.3	0
75	Connectionist Systems and Signal Processing Techniques Applied to the Parameterization of Stellar Spectra. , 2010, , 187-203.		0
76	Genetic Algorithms Applied to Spectral Index Extraction. Studies in Computational Intelligence, 2011, , 195-207.	0.9	0
77	Distributed Genetic Algorithm for Feature Selection in Gaia RVS Spectra: Application to ANN Parameterization. Springer Series in Astrostatistics, 2012, , 127-131.	0.6	0
78	GUASOM: Gaia Utility for Analysis and Knowledge Discovery based on Self Organizing Maps. EAS Publications Series, 2014, 67-68, 373-373.	0.3	0
79	Distributed Unsupervised Clustering for Outlier Analysis in the Biggest Milky Way Survey: ESA Gaia Mission. Lecture Notes in Computer Science, 2017, , 840-852.	1.3	0
80	STARMIND: Automated Classification of Astronomical Data Based on an Hybrid Strategy. Lecture Notes in Computer Science, 2008, , 196-203.	1.3	0