

Minia Manteiga

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

18,158
citations

236833

25
h-index

133188

59
g-index

83
all docs

83
docs citations

83
times ranked

11278
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	2.1	6,364
2	The<i>Gaia</i>mission. Astronomy and Astrophysics, 2016, 595, A1.	2.1	4,509
3	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	2.1	2,429
4	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	2.1	1,590
5	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	2.1	638
6	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	2.1	491
7	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	2.1	323
8	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	2.1	175
9	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	2.1	140
10	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 650, C3.	2.1	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.	2.1	121
12	The<i>Gaia</i>astrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	2.1	115
13	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2019, 623, A110.	2.1	101
14	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A7.	2.1	84
15	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A13.	2.1	78
16	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	2.1	78
17	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	2.1	77
18	Stellar parametrization from<i>Gaia</i>RVS spectra. Astronomy and Astrophysics, 2016, 585, A93.	2.1	62

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19	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A8.	2.1	60
20	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A9.	2.1	55
21	Whole Earth Telescope observations of BPM 37093: A seismicological test of crystallization theory in white dwarfs. <i>Astronomy and Astrophysics</i> , 2005, 432, 219-224.	2.1	55
22	A Whole Earth Telescope campaign on the pulsating subdwarf B binary system PG 1336+018 (NY Vir). <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 345, 834-846.	1.6	46
23	A cloud-integrated web platform for marine monitoring using GIS and remote sensing. Application to oil spill detection through SAR images. <i>Future Generation Computer Systems</i> , 2014, 34, 155-160.	4.9	46
24	Infrared Space Observatory Observations of IRAS 16594+4656: A New Proto-Planetary Nebula with a Strong 21 Micron Dust Feature. <i>Astrophysical Journal</i> , 1999, 513, 941-946.	1.6	43
25	Constraining the Evolution of ZZ Ceti. <i>Astrophysical Journal</i> , 2003, 594, 961-970.	1.6	37
26	STARMIND: A FUZZY LOGIC KNOWLEDGE-BASED SYSTEM FOR THE AUTOMATED CLASSIFICATION OF STARS IN THE MK SYSTEM. <i>Astronomical Journal</i> , 2009, 137, 3245-3253.	1.9	25
27	ANNs and Wavelets: A Strategy for <i>Gaia</i> RVS Low S/N Stellar Spectra Parameterization. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 608-617.	1.0	25
28	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. <i>Nature Communications</i> , 2020, 11, 3759.	5.8	23
29	SOM ensemble for unsupervised outlier analysis. Application to outlier identification in the <i>Gaia</i> astronomical survey. <i>Expert Systems With Applications</i> , 2013, 40, 1530-1541.	4.4	22
30	An approach to the analysis of SDSS spectroscopic outliers based on self-organizing maps. <i>Astronomy and Astrophysics</i> , 2013, 559, A7.	2.1	22
31	Planetary nebulae in <i>Gaia</i> EDR3: Central star identification, properties, and binarity. <i>Astronomy and Astrophysics</i> , 2021, 656, A51.	2.1	20
32	Automated knowledge-based analysis and classification of stellar spectra using fuzzy reasoning. <i>Expert Systems With Applications</i> , 2004, 27, 237-244.	4.4	19
33	Properties of central stars of planetary nebulae with distances in <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 630, A150.	2.1	19
34	On the estimation of stellar parameters with uncertainty prediction from Generative Artificial Neural Networks: application to <i>Gaia</i> RVS simulated spectra. <i>Astronomy and Astrophysics</i> , 2016, 594, A68.	2.1	15
35	Morphology, kinematics and dynamics of bulges of spirals. 1: Kinematics of the bulge of NGC 5055, A MAGN. <i>Astronomical Journal</i> , 1995, 109, 140.	1.9	13
36	HSC: A multi-resolution clustering strategy in Self-Organizing Maps applied to astronomical observations. <i>Applied Soft Computing Journal</i> , 2012, 12, 204-215.	4.1	11

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37	Detection of a multishell planetary nebula around the hot subdwarf O-type star 2MASSâ€‰J19310888+4324577. <i>Astronomy and Astrophysics</i> , 2013, 552, A25.	2.1	11
38	IRAS 17423â€‰1755 (HEN 3â€‰1475) REVISITED: AN O-RICH HIGH-MASS POST-ASYMPTOTIC GIANT BRANCH STAR. <i>Astronomical Journal</i> , 2011, 141, 80.	1.9	8
39	The Galactic globular cluster system - Theoretical constraints for alpha-enhanced compositions. <i>Astrophysical Journal</i> , 1991, 380, 484.	1.6	7
40	Wide binaries in planetary nebulae with Gaia DR2. <i>Astronomy and Astrophysics</i> , 2020, 644, A173.	2.1	7
41	Parameterization of RVS synthetic stellar spectra for the ESA Gaia mission: Study of the optimal domain for ANN training. <i>Expert Systems With Applications</i> , 2010, 37, 1719-1727.	4.4	6
42	A Comparative Study of KBS, ANN and Statistical Clustering Techniques for Unattended Stellar Classification. <i>Lecture Notes in Computer Science</i> , 2005, , 566-577.	1.0	6
43	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2020, 642, C1.	2.1	6
44	Gaia DR2 Distances to Planetary Nebulae. <i>Galaxies</i> , 2020, 8, 29.	1.1	4
45	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2020, 637, C3.	2.1	4
46	AI-based user authentication reinforcement by continuous extraction of behavioral interaction features. <i>Neural Computing and Applications</i> , 2022, 34, 11691-11705.	3.2	4
47	The contribution to population in ellipticals of blue stragglers: A test of their origin. <i>Astrophysics and Space Science</i> , 1989, 156, 169-171.	0.5	3
48	Distributed Fast Self-Organized Maps for Massive Spectrophotometric Data Analysis. <i>Sensors</i> , 2018, 18, 1419.	2.1	3
49	GUASOM: an adaptive visualization tool for unsupervised clustering in spectrophotometric astronomical surveys. <i>Neural Computing and Applications</i> , 0, , 1.	3.2	3
50	A distributed learning algorithm for Self-Organizing Maps intended for outlier analysis in the GAIA ESA mission. , 0, , .		3
51	The Central Star of NGC 2346 as a Clue to Binary Evolution through the Common Envelope Phase. <i>Astrophysical Journal</i> , 2019, 885, 84.	1.6	2
52	Parameter Extraction from RVS Stellar Spectra by Means of Artificial Neural Networks and Spectral Density Analysis. <i>Lecture Notes in Computer Science</i> , 2008, , 212-219.	1.0	2
53	Morphology, Kinematics, and Dynamics of Bulges of Spirals.II.Surface Photometry of the Central Part of NGC 5055. <i>Astronomical Journal</i> , 1996, 112, 1894.	1.9	2
54	Preliminary Results from XCOV 17: PG 1336-018. <i>Open Astronomy</i> , 2000, 9, .	0.2	1

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55	A Closer View of the Nucleus of NGC 4314. <i>Astrophysics and Space Science</i> , 2001, 276, 539-543.	0.5	1
56	Photometric Studies of O-type Hot Subdwarfs. <i>Astrophysics and Space Science</i> , 2004, 291, 431-434.	0.5	1
57	PN G000.2+06.1 and PN G002.3+02.2: Two New Type I Planetary Nebulae in the Galactic Bulge. <i>Astronomical Journal</i> , 2004, 127, 3437-3443.	1.9	1
58	A Blended Artificial Intelligence Approach for Spectral Classification of Stars in Massive Astronomical Surveys. <i>Entropy</i> , 2020, 22, 518.	1.1	1
59	Cloud Integrated Web Platform for Marine Monitoring Using GIS and Remote Sensing: Application to Oil Spill Detection through SAR Images. <i>Lecture Notes in Computer Science</i> , 2012, , 446-453.	1.0	1
60	Analysis and Knowledge Discovery by Means of Self-Organizing Maps for Gaia Data Releases. <i>Lecture Notes in Computer Science</i> , 2016, , 137-144.	1.0	1
61	Identification of new hot subdwarf binary systems by means of Virtual Observatory tools. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4239-4245.	1.6	1
62	Infrared photometry of open clusters: the main sequence of NGC 752. <i>Astrophysics and Space Science</i> , 1990, 169, 49-53.	0.5	0
63	Optical Classification of IRAS Post-AGB Candidates. <i>Astrophysics and Space Science</i> , 1998, 263, 283-286.	0.5	0
64	Hot Subdwarfs: Magnetic, Oscillatory and Other Physical Properties. <i>Astrophysics and Space Science</i> , 2003, 284, 269-272.	0.5	0
65	Constraining the Evolution of ZZ Ceti. <i>Open Astronomy</i> , 2003, 12, .	0.2	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. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
69	A User-Friendly Framework for Multilanguage ANN Generation: Real Case Applications. , 2007, , .		0
70	Gaia future contribution to the study of PNe. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 428-429.	0.0	0
71	Gaia and the Planetary Nebulae. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 305-308.	0.0	0
72	Optical Survey of Post-AGB Candidates. <i>Astrophysics and Space Science Library</i> , 2001, , 21-27.	1.0	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.	1.0	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.	0.7	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.	1.0	0
80	STARMIND: Automated Classification of Astronomical Data Based on an Hybrid Strategy. Lecture Notes in Computer Science, 2008, , 196-203.	1.0	0