

Minia Manteiga

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

12,103
citations

23
h-index

83
g-index

83
ext. papers

15,481
ext. citations

4
avg. IF

4.02
L-index

#	Paper	IF	Citations
75	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A6	5.1	61
74	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A9	5.1	19
73	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A8	5.1	18
72	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A7	5.1	25
71	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A1	5.1	776
70	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 650, C3	5.1	36
69	Gaia DR2 Distances to Planetary Nebulae. <i>Galaxies</i> , 2020 , 8, 29	2	3
68	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2020 , 637, C3	5.1	4
67	Wide binaries in planetary nebulae with Gaia DR2. <i>Astronomy and Astrophysics</i> , 2020 , 644, A173	5.1	5
66	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2020 , 642, C1	5.1	5
65	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. <i>Nature Communications</i> , 2020 , 11, 3759	17.4	11
64	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2019 , 623, A110	5.1	62
63	Properties of central stars of planetary nebulae with distances in Gaia DR2. <i>Astronomy and Astrophysics</i> , 2019 , 630, A150	5.1	16
62	The Central Star of NGC 2346 as a Clue to Binary Evolution through the Common Envelope Phase. <i>Astrophysical Journal</i> , 2019 , 885, 84	4.7	1
61	Distributed Fast Self-Organized Maps for Massive Spectrophotometric Data Analysis. <i>Sensors</i> , 2018 , 18,	3.8	3
60	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A10	5.1	438
59	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A1	5.1	4787

58	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A12	5.1	384
57	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A11	5.1	237
56	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A13	5.1	56
55	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A14	5.1	100
54	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 605, A79	5.1	64
53	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 601, A19	5.1	71
52	Distributed Unsupervised Clustering for Outlier Analysis in the Biggest Milky Way Survey: ESA Gaia Mission. <i>Lecture Notes in Computer Science</i> , 2017 , 840-852	0.9	
51	On the estimation of stellar parameters with uncertainty prediction from Generative Artificial Neural Networks: application to GaiaRVS simulated spectra. <i>Astronomy and Astrophysics</i> , 2016 , 594, A68	5.1	9
50	Gaia and the Planetary Nebulae. <i>Proceedings of the International Astronomical Union</i> , 2016 , 12, 305-308	0.1	
49	Stellar parametrization from GaiaRVS spectra. <i>Astronomy and Astrophysics</i> , 2016 , 585, A93	5.1	42
48	Analysis and Knowledge Discovery by Means of Self-Organizing Maps for Gaia Data Releases. <i>Lecture Notes in Computer Science</i> , 2016 , 137-144	0.9	1
47	The Gaia mission. <i>Astronomy and Astrophysics</i> , 2016 , 595, A1	5.1	2933
46	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A2	5.1	1364
45	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	7.5	34
44	GUASOM: Gaia Utility for Analysis and Knowledge Discovery based on Self Organizing Maps. <i>EAS Publications Series</i> , 2014 , 67-68, 373-373	0.2	
43	SOM ensemble for unsupervised outlier analysis. Application to outlier identification in the Gaia astronomical survey. <i>Expert Systems With Applications</i> , 2013 , 40, 1530-1541	7.8	18
42	An approach to the analysis of SDSS spectroscopic outliers based on self-organizing maps. <i>Astronomy and Astrophysics</i> , 2013 , 559, A7	5.1	15
41	The Gaia astrophysical parameters inference system (Apsis). <i>Astronomy and Astrophysics</i> , 2013 , 559, A74	5.1	96

40	Detection of a multishell planetary nebula around the hot subdwarf O-type star 2MASS J19310888+4324577. <i>Astronomy and Astrophysics</i> , 2013 , 552, A25	5.1	11
39	HSC: A multi-resolution clustering strategy in Self-Organizing Maps applied to astronomical observations. <i>Applied Soft Computing Journal</i> , 2012 , 12, 204-215	7.5	9
38	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	0.9	1
37	Distributed Genetic Algorithm for Feature Selection in Gaia RVS Spectra: Application to ANN Parameterization 2012 , 127-131		
36	Gaia future contribution to the study of PNe. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 428-429	0.1	
35	IRAS 17423-755 (HEN 3-475) REVISITED: AN O-RICH HIGH-MASS POST-ASYMPTOTIC GIANT BRANCH STAR. <i>Astronomical Journal</i> , 2011 , 141, 80	4.9	8
34	Genetic Algorithms Applied to Spectral Index Extraction. <i>Studies in Computational Intelligence</i> , 2011 , 195-207	0.8	
33	ANNs and Wavelets: A Strategy for Gaia RVS Low S/N Stellar Spectra Parameterization. <i>Publications of the Astronomical Society of the Pacific</i> , 2010 , 122, 608-617	5	18
32	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	7.8	4
31	Connectionist Systems and Signal Processing Techniques Applied to the Parameterization of Stellar Spectra 2010 , 187-203		
30	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	4.9	20
29	A Comparative Study of Stellar Spectra Analysis with Neural Networks in Transformed Domains. <i>Lecture Notes in Computer Science</i> , 2009 , 384-391	0.9	
28	Outlier Analysis in BP/RP Spectral Bands. <i>Lecture Notes in Computer Science</i> , 2009 , 378-386	0.9	
27	STARMIND: Automated Classification of Astronomical Data Based on an Hybrid Strategy. <i>Lecture Notes in Computer Science</i> , 2008 , 196-203	0.9	
26	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	0.9	2
25	A spectroscopic atlas of post-AGB stars and planetary nebulae selected from the IRAS point source catalogue. <i>Astronomy and Astrophysics</i> , 2006 , 458, 173-180	5.1	112
24	Cooperative AI Techniques for Stellar Spectra Classification 2006 , 332-346		
23	Whole Earth Telescope observations of BPM 7093: A seismological test of crystallization theory in white dwarfs. <i>Astronomy and Astrophysics</i> , 2005 , 432, 219-224	5.1	51

22	A Comparative Study of KBS, ANN and Statistical Clustering Techniques for Unattended Stellar Classification. <i>Lecture Notes in Computer Science</i> , 2005 , 566-577	0.9	5
21	Photometric Studies of O-type Hot Subdwarfs. <i>Astrophysics and Space Science</i> , 2004 , 291, 431-434	1.6	1
20	Automated knowledge-based analysis and classification of stellar spectra using fuzzy reasoning. <i>Expert Systems With Applications</i> , 2004 , 27, 237-244	7.8	13
19	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	4.9	1
18	Constraining the Evolution of ZZ Ceti. <i>Astrophysical Journal</i> , 2003 , 594, 961-970	4.7	36
17	Hot Subdwarfs: Magnetic, Oscillatory and Other Physical Properties. <i>Astrophysics and Space Science</i> , 2003 , 284, 269-272	1.6	
16	A Whole Earth Telescope campaign on the pulsating subdwarf B binary system PG 1336018 (NY Vir). <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 345, 834-846	4.3	44
15	An Artificial Neural Network Approach to Automatic Classification of Stellar Spectra. <i>Lecture Notes in Computer Science</i> , 2003 , 639-646	0.9	
14	Hot Subdwarfs: Further Photometric Observations of Pulsating and Non Pulsating Objects 2003 , 99-100		
13	A Closer View of the Nucleus of NGC 4314. <i>Astrophysics and Space Science</i> , 2001 , 276, 539-543	1.6	1
12	Optical Survey of Post-AGB Candidates. <i>Astrophysics and Space Science Library</i> , 2001 , 21-27	0.3	
11	Infrared Space Observatory Observations of IRAS 16594-656: A New ProtoPlanetary Nebula with a Strong 21 Micron Dust Feature. <i>Astrophysical Journal</i> , 1999 , 513, 941-946	4.7	42
10	Optical Classification of IRAS Post-AGB Candidates. <i>Astrophysics and Space Science</i> , 1998 , 263, 283-286	1.6	
9	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	4.9	2
8	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	4.9	13
7	The Galactic globular cluster system - Theoretical constraints for alpha-enhanced compositions. <i>Astrophysical Journal</i> , 1991 , 380, 484	4.7	7
6	Infrared photometry of open clusters: the main sequence of NGC 752. <i>Astrophysics and Space Science</i> , 1990 , 169, 49-53	1.6	
5	The contribution to population in ellipticals of blue stragglers: A test of their origin. <i>Astrophysics and Space Science</i> , 1989 , 156, 169-171	1.6	2

4	Planetary nebulae in Gaia EDR3: Central star identification, properties, and binarity. <i>Astronomy and Astrophysics</i> ,	5.1	3
3	A distributed learning algorithm for Self-Organizing Maps intended for outlier analysis in the GAIA ESA mission		2
2	GUASOM: an adaptive visualization tool for unsupervised clustering in spectrophotometric astronomical surveys. <i>Neural Computing and Applications</i> ,1	4.8	1
1	AI-based user authentication reinforcement by continuous extraction of behavioral interaction features. <i>Neural Computing and Applications</i> ,1	4.8	0