

# Ivan L Andronov

## List of Publications by Year in descending order

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65  
papers

464  
citations

687363

13  
h-index

794594

19  
g-index

66  
all docs

66  
docs citations

66  
times ranked

219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for pole switching in the magnetic cataclysmic variable BY Camelopardalis. Monthly Notices of the Royal Astronomical Society, 1998, 295, 511-518.	4.4	34
2	Orbital and spin variability of the intermediate polar BG CMi. Astronomy and Astrophysics, 2005, 441, 663-674.	5.1	31
3	The Noah Project: detection of the spin-orbit beat period of BY Camelopardalis. Monthly Notices of the Royal Astronomical Society, 1997, 290, 25-33.	4.4	30
4	Astroinformation resource of the Ukrainian virtual observatory: Joint observational data archive, scientific tasks, and software. Kinematics and Physics of Celestial Bodies, 2012, 28, 85-102.	0.6	30
5	Discovery of a bright X-ray transient in the Galactic Center with XMM-Newton. Astronomy and Astrophysics, 2005, 430, L9-L12.	5.1	25
6	Method of running parabolae: Spectral and statistical properties of the smoothing function. Astronomy and Astrophysics, 1997, 125, 207-217.	2.1	21
7	UkrVO Astroinformatics Software and Web-services. Proceedings of the International Astronomical Union, 2016, 12, 361-366.	0.0	18
8	?Swinging dipoles? in magnetic close binary stars. Astrophysics and Space Science, 1987, 131, 557-570.	1.4	17
9	A Search for Periodic and Quasi-periodic Photometric Behavior in the Cataclysmic Variable TT Arietis. Astronomical Journal, 1999, 117, 574-586.	4.7	17
10	CCD PHOTOMETRY USING MULTIPLE COMPARISON STARS. Journal of Astronomy and Space Sciences, 2004, 21, 191-200.	1.0	16
11	Variability of long-period pulsating stars. I. Methods for analyzing observations. Astrophysics, 2006, 49, 370-385.	0.5	14
12	Multiple timescales in cataclysmic binaries. Astronomy and Astrophysics, 2008, 486, 855-865.	5.1	14
13	TWO-COLOR VR CCD PHOTOMETRY OF THE INTERMEDIATE POLAR RXS J062518.2+733433. Journal of Astronomy and Space Sciences, 2005, 22, 197-210.	1.0	14
14	Nova-like cataclysmic variable TT Arietis. Astronomy and Astrophysics, 2009, 496, 765-775.	5.1	12
15	Phenomenological modeling of the light curves of algol-type eclipsing binary stars. Astrophysics, 2012, 55, 536-550.	0.5	11
16	Alternating cycle durations in dwarf novae. Astrophysics and Space Science, 1990, 169, 237-240.	1.4	8
17	Autocorrelation function bias owed to a limited number of de-trended observations. Applications to autoregressive models with noise. Astronomische Nachrichten, 1994, 315, 353-370.	1.2	8
18	IUE and Optical Observations of AM Herculis in Its Low State. Astrophysical Journal, 1996, 460, 939.	4.5	8

#	ARTICLE	IF	CITATIONS
19	STATISTICALLY OPTIMAL MODELING OF FLAT ECLIPSES AND EXOPLANET TRANSITIONS. THE "WALL-SUPPORTED POLYNOMIAL"(WSP) ALGORITHMS. Odessa Astronomical Publications, 2017, 30, 57-62.	0.2	7
20	MAVKA: Program of statistically optimal determination of phenomenological parameters of extrema. Parabolic spline algorithm and analysis of variability of the semi-regular star Z UMa. Journal of Physical Studies, 2020, 24, .	0.5	7
21	Semiregular variable RX Bootis: Double-period optical variation of a cosmical maser?. Astronomische Nachrichten, 1988, 309, 323-325.	1.2	6
22	INTER-LONGITUDE ASTRONOMY PROJECT: SOME RESULTS AND PERSPECTIVES. Astronomical and Astrophysical Transactions, 2003, 22, 793-798.	0.2	6
23	The unique magnetic cataclysmic variable V1432Aql. Astronomy and Astrophysics, 2006, 452, 941-944.	5.1	6
24	Variability of the Rotation Period of the White Dwarf in the Magnetic Cataclysmic Binary System EX Hya. Astrophysics, 2013, 56, 518-530.	0.5	6
25	Comparative Analysis of Phenomenological Approximations for the Light Curves of Eclipsing Binary Stars with Additional Parameters. Astrophysics, 2017, 60, 57-69.	0.5	6
26	Phenomenological Modeling of Newly Discovered Eclipsing Binary 2MASS J18024395 + 4003309 = VSX J180243.9+400331. Journal of Astronomy and Space Sciences, 2015, 32, 127-136.	1.0	6
27	On the mechanism of the "Noisier" phenomenon in magnetic close binary systems. Astronomische Nachrichten, 1987, 308, 229-234.	1.2	5
28	V 361 Lyrae: An exotic binary system with a "Hot Spot" between the components?. Astronomische Nachrichten, 1987, 308, 235-238.	1.2	5
29	MV Lyrae: Entering the period gap?. Astronomische Nachrichten, 1988, 309, 39-42.	1.2	5
30	Unstable processes in magnetic cataclysmic variables. Astronomy and Astrophysics, 2002, 394, 171-179.	5.1	5
31	Variability of long-period pulsating stars. II. Additional parameters for classifying stars. Astrophysics, 2006, 49, 506-522.	0.5	5
32	Idling magnetic white dwarf in the synchronizing polar BY Cam. The Noah-2 project. Open Physics, 2008, 6, .	1.7	5
33	PERIOD VARIATIONS AND POSSIBLE THIRD COMPONENTS IN THE ECLIPSING BINARIES AH TAURI AND ZZ CASSIOPEIAE. Odessa Astronomical Publications, 2018, 31, 103-109.	0.2	5
34	Third components with elliptical orbits in the eclipsing binaries. Journal of Physical Studies, 2020, 24, .	0.5	5
35	Period search using the DMRT method: The properties of the test function. Astronomische Nachrichten, 1988, 309, 121-131.	1.2	4
36	Variability of long-period pulsating stars. III. Changes in the parameters of humps at the ascending branch. Astrophysics, 2007, 50, 76-82.	0.5	4

#	ARTICLE	IF	CITATIONS
37	Capture radius and synchronization of the white dwarf in the unique magnetic cataclysmic system V1432 Aql. <i>Astrophysics</i> , 2007, 50, 105-124.	0.5	4
38	PHASE PLANE ANALYSIS OF THE PHOTOMETRICAL VARIATIONS OF LONG-PERIOD VARIABLES. <i>Odessa Astronomical Publications</i> , 2017, 30, 93-97.	0.2	4
39	Light Curve Analysis of Tycho Variable Stars. <i>International Astronomical Union Colloquium</i> , 2000, 176, 64-65.	0.1	3
40	TWO-COLOR CCD PHOTOMETRY OF THE INTERMEDIATE POLAR 1RXS J180340.0+401214. <i>Journal of the Korean Astronomical Society</i> , 2011, 44, 89-96.	1.5	3
41	EFFECTS OF THE MASS TRANSFER AND PRESENCE OF THE THIRD COMPONENTS IN CLOSE BINARY STELLAR SYSTEMS. <i>Odessa Astronomical Publications</i> , 2017, 30, 135-139.	0.2	3
42	Photometric study of the unusual binary system vsx j052807.9â€‰+â€‰725606. <i>Astrophysics</i> , 2011, 54, 392-402.	1.5	2
43	Time series analysis of the phase curve characteristics of the semiregular star RS Cygni. <i>Astronomical and Astrophysical Transactions</i> , 1999, 18, 187-198.	0.2	2
44	Magnetic Dwarf Nova DO Dra: Sub-low-luminosity State and Mini-outbursts. <i>Research Notes of the AAS</i> , 2018, 2, 197.	0.7	2
45	TWO-COLOR VR CCD PHOTOMETRY OF OLD NOVA V603 AQUILAE. <i>Journal of Astronomy and Space Sciences</i> , 2005, 22, 211-222.	1.0	2
46	Quasi-Periodic Oscillation of a Magnetic Cataclysmic Variable, DO Draconis. <i>Journal of Astronomy and Space Sciences</i> , 2017, 34, 37-44.	1.0	2
47	ODESSA SCIENTIFIC SCHOOL OF RESEARCHERS OF VARIABLE STARS: FROM V.P.TSESEVICH (1907-1983) TO OUR DAYS. <i>Odessa Astronomical Publications</i> , 2017, 30, 252-255.	0.2	2
48	Advanced Time Series Analysis of Generally Irregularly Spaced Signals: Beyond the Oversimplified Methods. , 2020, , 191-224.		2
49	Influence of magnetic dipole orientation on the accretion rate in close binaries. <i>Astrofizika</i> , 1984, 20, 104-112.	0.0	1
50	Investigation of a Sample of Long-Period Variable Stars Possessing Maser Emission. <i>International Astronomical Union Colloquium</i> , 1989, 106, 298-298.	0.1	1
51	Phase Curve Changes and Humps in U Her. <i>Astrophysics and Space Science</i> , 1997, 257, 49-61.	1.4	1
52	Wavelength Dependence of the Orbital Variability of the Eclipsing Nova-Like Object Dw Uma. <i>Astrophysics and Space Science</i> , 2005, 296, 473-476.	1.4	1
53	Reflection Effect in the Binary System 14 Pegasi With a Highly Eccentric Orbit. <i>Research Notes of the AAS</i> , 2020, 4, 24.	0.7	1
54	Multi-, Quasi-, A- and Periodic Variations in Cataclysmic Variables. <i>Astrophysics and Space Science Library</i> , 1995, , 83-91.	2.7	1

#	ARTICLE	IF	CITATIONS
55	MATHEMATICAL MODELLING OF ASTROPHYSICAL OBJECTS AND PROCESSES. , 2020, , 3-29.		1
56	Am herculis: Evidence for a ?swinging dipole? model. Astrophysics and Space Science, 1990, 169, 251-253.	1.4	0
57	Influence of inhomogeneity of an accretion column on the polarization and spectrum of its radiation. Astrophysics, 1990, 32, 71-80.	0.5	0
58	On the polarizational properties of the accretion columns in magnetic cataclysmic variables. Astronomical and Astrophysical Transactions, 1992, 1, 107-117.	0.2	0
59	Analytical approximations for some functions in the roche model. Astronomical and Astrophysical Transactions, 1992, 2, 341-345.	0.2	0
60	Multiple Time Scales in Cataclysmic Variables: The Examples. International Astronomical Union Colloquium, 1995, 151, 302-305.	0.1	0
61	Multiperiodic and Aperiodic Pulsations: Comparative Study of Algorithms vs. Variability Types. International Astronomical Union Colloquium, 2000, 176, 85-86.	0.1	0
62	Unusual Secondary Variations in the Mira Star T Cep. International Astronomical Union Colloquium, 2000, 176, 131-132.	0.1	0
63	Blobby Accretion in Magnetic Cataclysmic Variables. International Astronomical Union Colloquium, 2004, 190, 265-271.	0.1	0
64	Magnetic Dwarf Nova DO Dra: Recovering to the Base Luminosity State. Research Notes of the AAS, 2017, 1, 20.	0.7	0
65	Astroinformatics: Statistically Optimal Approximations of Near-Extremal Parts with Application to Variable Stars. Communications of the Byurakan Astrophysical Observatory, 0, , 251-256.	0.0	0