

# Yury A Nefedyev

## List of Publications by Year in Descending Order

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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.

79  
papers

381  
citations

12  
h-index

14  
g-index

136  
ext. papers

484  
ext. citations

1.3  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
79	Meteorite hazard model for a space mission to Mars. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012031	0.3	1
78	Studying the fractal properties of Ceres. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012035	0.3	
77	The analysis of Titan's physical surface using multifractal geometry methods. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012017	0.3	
76	The Use of Photometric Structural Analysis and Digitized Positional Observation Data to Study Small Celestial Bodies. <i>Astronomy Reports</i> , <b>2021</b> , 65, 427-434	1.1	1
75	The Physical Surface of the Moon: A Digital Model Based on Satellite Altimetry. <i>Astronomy Reports</i> , <b>2021</b> , 65, 435-444	1.1	3
74	Analysis of Photoelectric Occultations and Development of a Digital Model of the Lunar Libration Zone. <i>Astronomy Reports</i> , <b>2021</b> , 65, 580-587	1.1	
73	The Use of Huber's Method for Estimating Libration Selenographic Parameters. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 237-246	0.8	
72	Creation of a Simulation Model of Spacecrafts' Navigation Referencing to the Digital Map of the Moon. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 193-204	0.8	2
71	Two types of distribution of the gas velocity dispersion of MaNGA galaxies. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 646, A54	5.1	1
70	Analysis of Latitude Observations and Data of Satellite Navigation Systems to Determine Geodynamic Parameters. <i>Astronomy Reports</i> , <b>2021</b> , 65, 224-232	1.1	0
69	MaNGA galaxies with off-centered spots of enhanced gas velocity dispersion. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 653, A11	5.1	0
68	The Study of Geodynamic Parameters on the Basis of Adaptive Regression Modeling. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 225-236	0.8	
67	Analysis of modern observations of meteor showers based on PTM methods. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012024	0.3	
66	Search for possible connections of the h-Virginids meteor shower with near-Earth asteroids. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012037	0.3	
65	Stochastic analysis of dynamic processes in the solar activity. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012018	0.3	
64	Structural analysis of the comet 45P/Honda based on isophote modeling. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012022	0.3	
63	Fundamental parameters modeling for the lunar telescope. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012019	0.3	

62	The creation of a regression model of the Earth's pole motion with a feature of dynamic prediction. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012029	0.3	
61	The study of the influence of interstellar extinction laws on the parameters of photometric system using astrophysical observations taken at EAO. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012032 <sup>0.3</sup>		
60	The development of projective metric method for analyzing star positions. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012033	0.3	1
59	Properties of galaxies with an offset between the position angles of the major kinematic and photometric axes. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 634, A26	5.1	5
58	Development of Methods for Navigational Referencing of Circumlunar Spacecrafts to the Selenocentric Dynamic Coordinate System. <i>Astronomy Reports</i> , <b>2020</b> , 64, 795-803	1.1	5
57	Lunar-Based Measurements of the Moon's Physical Libration: Methods and Accuracy Estimates. <i>Astronomy Reports</i> , <b>2020</b> , 64, 1078-1086	1.1	5
56	The Cygnid Meteor Shower and Its Relationship with Near-Earth Asteroids. <i>Astronomy Reports</i> , <b>2020</b> , 64, 1087-1092	1.1	9
55	Physical Libration of the Moon: An Extended Problem. <i>Astronomy Reports</i> , <b>2020</b> , 64, 1093-1106	1.1	4
54	The Use of Multi-Parameter Analysis and Fractal Geometry for Investigating the Structure of the Lunar Surface <b>2020</b> , 162, 223-236		4
53	Creation of a theoretical simulation model of orbital referencing of lunar objects's optical observations taken by space lunar satellite to the selenocentric coordinate system. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012016	0.3	1
52	The study of near Earth objects and meteor showers. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012036	0.3	6
51	The analysis of Venus's physical surface using methods of fractal geometry. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012019	0.3	1
50	The study of models of space selenophysics using multi-parameter analysis and fractal geometry. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012024	0.3	2
49	Analysis of analytical and numerical dynamic lunar ephemerides. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1697, 012018	0.3	2
48	Circumnuclear regions of different BPT types in star-forming MaNGA galaxies: AGN detectability. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 639, A96	5.1	4
47	The difference logical operation for images in optical echo holography. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1628, 012001	0.3	1
46	The operation of combining sets for images in optical echo holography. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1283, 012011	0.3	4
45	Differentiation of the Contribution of Velocity-Changing Gas-Particle Collisions to Attenuation of the Stimulated Photon Echo Response. <i>Journal of Applied Spectroscopy</i> , <b>2019</b> , 85, 1017-1021	0.7	1

44	Relations between abundance characteristics and rotation velocity for star-forming MaNGA galaxies. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A122	5.1	12
43	Characteristic Features of the Colors of Shower Meteors and Sporadic Meteors from Observations with the Mini-MegaTORTORA System. <i>Astronomy Reports</i> , <b>2019</b> , 63, 666-686	1.1	
42	Peculiar motions of the gas at the centre of the barred galaxy UGC 4056. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 628, A55	5.1	3
41	Isodensity analysis of comets using the collection of digitized Engelhardt Astronomical Observatory photographic plates. <i>Astronomische Nachrichten</i> , <b>2019</b> , 340, 698-704	0.7	2
40	Selenophysics and Models of the Lunar Three-Layered Mantle <b>2019</b> , 161, 24-38		4
39	Analysis of the surfaces and gravitational fields of planets using robust modeling methods. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1400, 022019	0.3	5
38	Analysis of the dynamic coordinate system using photoelectric lunar occultations. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1400, 022044	0.3	1
37	Genetic analysis of the meteor showers and asteroids. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1400, 022045	0.3	7
36	The multiparametric method of analyzing the lunar dynamic processes. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1400, 022047	0.3	1
35	Non-stationarity and cross-correlation effects in the MHD solar activity. <i>Advances in Space Research</i> , <b>2018</b> , 61, 639-644	2.4	7
34	Validity of abundances derived from spaxel spectra of the MaNGA survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, A1	5.1	14
33	Genetic analysis of parameters of near earth asteroids for determining parent bodies of meteoroid streams. <i>Advances in Space Research</i> , <b>2018</b> , 62, 2355-2363	2.4	6
32	Analysis of topocentric and gravimetric data from modern space missions. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1135, 012002	0.3	5
31	Analysis of orbital theories for the construction of the numerical theory of the lunar physical librations. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1038, 012004	0.3	3
30	Studies of Modern Star Catalogs Based on Photoelectric Observations of Lunar Occultations of Stars. <i>Astronomy Reports</i> , <b>2018</b> , 62, 1042-1049	1.1	6
29	Use of an Analytical Theory for the Physical Libration of the Moon to Detect Free Nutation of the Lunar Core. <i>Astronomy Reports</i> , <b>2018</b> , 62, 1021-1025	1.1	9
28	Creation of a Global Selenocentric Coordinate Reference Frame. <i>Astronomy Reports</i> , <b>2018</b> , 62, 1016-1020	0.1	13
27	Analysis of the terrestrial global digital model using fractal geometry and harmonic expansion into spherical functions. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1135, 012003	0.3	3

26	Construction of simulation models of lunar observations. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1135, 012001	0.3	1
25	Modeling of the physical selenocentric surface using modern satellite observations and harmonic analysis methods. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1038, 012003	0.3	9
24	Use of multiparametric analysis of meteor showers for their parental bodies genetic parameters determination. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1038, 012019	0.3	
23	The fractal analysis of the topography and gravitational field of Venus. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1038, 012020	0.3	7
22	Geochemical Constraints for the Bulk Composition of the Moon. <i>Doklady Earth Sciences</i> , <b>2018</b> , 483, 1475-1479	1.4	4
21	Breaks in surface brightness profiles and radial abundance gradients in the discs of spiral galaxies. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A127	5.1	9
20	The fractal analysis of the gravitational field and topography of the Mars. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 929, 012002	0.3	8
19	On the influence of the environment on galactic chemical abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 1358-1374	4.3	13
18	The method for celestial bodies center of mass position relative to their figures determination on the basis of harmonic analysis of the expansion in spherical functions in order to refine the physical libration parameters. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 929, 012013	0.3	2
17	The analytical and numerical approaches to the theory of the Moon's librations: Modern analysis and results. <i>Advances in Space Research</i> , <b>2017</b> , 60, 2303-2313	2.4	14
16	Use of long-term nongravitational force models for fitting astrometric observations of comet Encke. <i>Advances in Space Research</i> , <b>2017</b> , 60, 1101-1107	2.4	4
15	Analysis of dynamical and quasidynamical space coordinate systems <b>2017</b> ,		1
14	Analysis of the Lyrids meteor stream structure for long timeslots. <i>Advances in Space Research</i> , <b>2016</b> , 58, 541-544	2.4	12
13	Use of long-term models for analysis of comet Encke's motion. <i>Advances in Space Research</i> , <b>2016</b> , 58, 2400-2406	2.4	7
12	Selenocentric reference coordinates net in the dynamic system. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 661, 012014	0.3	0
11	Auto- and cross-correlation analysis of the QSOs radio wave intensity. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 661, 012003	0.3	8
10	Lorentzian analysis of the accuracy of modern catalogues of stellar positions. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 661, 012015	0.3	0
9	Asteroid and comet hazard: Identification problem of observed space objects with the parental bodies. <i>Advances in Space Research</i> , <b>2014</b> , 54, 2415-2418	2.4	17

8	Dynamic and spectral X-ray features of the microquasar XTE J1550-564. <i>Kinematics and Physics of Celestial Bodies</i> , <b>2014</b> , 30, 63-69	0.6	8
7	A comparative analysis of the D-criteria used to determine genetic links of small bodies. <i>Advances in Space Research</i> , <b>2013</b> , 52, 1217-1220	2.4	18
6	Analysis of data of Clementine and Kaguya missions and DLCD and KSC-1162 catalogues. <i>Advances in Space Research</i> , <b>2012</b> , 50, 1564-1569	2.4	23
5	Research on selenodesy and dynamics of the Moon in Kazan. <i>Solar System Research</i> , <b>2007</b> , 41, 140-149	0.8	15
4	Study of the local fluctuations of the Earth's crust using data of latitude observations. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	6
3	Determination of refraction anomalies by global inclinations of airmass of identical density. <i>Astronomische Nachrichten</i> , <b>2005</b> , 326, 773-776	0.7	3
2	Photographic observations of solar system bodies at the Engelhardt astronomical observatory. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 444, 625-627	5.1	16
1	The results of an accurate analysis of EAO charts of the Moon marginal zone constructed on the basis of lunar occultations. <i>Astronomische Nachrichten</i> , <b>2002</b> , 323, 135-138	0.7	12