Yury A Nefedyev

List of Publications by Year
in descending order

136 papers	552 citations	623699 14 h-index	839512 18 g-index
136 all docs	136 docs citations	136 times ranked	185 citing authors

#	Article	IF	Citations
1	Analysis of data of â€œClementineâ€•and â€œKAGUYAâ€•missions and â€œULCNâ€•and â€œKSC-1162â€•catalogues. Advances in Space Research, 2012, 50, 1564-1569.	2.6	29
2	Photographic observations of solar system bodies at the Engelhardt astronomical observatory. Astronomy and Astrophysics, 2005, 444, 625-627.	5.1	24
3	Asteroid and comet hazard: Identification problem of observed space objects with the parental bodies. Advances in Space Research, 2014, 54, 2415-2418.	2.6	22
4	Validity of abundances derived from spaxel spectra of the MaNGA survey. Astronomy and Astrophysics, 2018, 613, A1.	5.1	22
5	A comparative analysis of the D-criteria used to determine genetic links of small bodies. Advances in Space Research, 2013, 52, 1217-1220.	2.6	21
6	On the influence of the environment on galactic chemical abundances. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1358-1374.	4.4	20
7	Relations between abundance characteristics and rotation velocity for star-forming MaNGA galaxies. Astronomy and Astrophysics, 2019, 623, A122.	5.1	20
8	The results of an accurate analysis of EAO charts of the Moon marginal zone constructed on the basis of lunar occultations. Astronomische Nachrichten, 2002, 323, 135-138.	1.2	18
9	Research on selenodesy and dynamics of the Moon in Kazan. Solar System Research, 2007, 41, 140-149.	0.7	17
10	Creation of a Global Selenocentric Coordinate Reference Frame. Astronomy Reports, 2018, 62, 1016-1020.	0.9	17
11	Auto- and cross-correlation analysis of the QSOs radio wave intensity. Journal of Physics: Conference Series, 2015, 661, 012003.	0.4	15
12	The analytical and numerical approaches to the theory of the Moonâ€™s librations: Modern analysis and results. Advances in Space Research, 2017, 60, 2303-2313.	2.6	15
13	Analysis of the Lyridsâ€™ meteor stream structure for long timeslots. Advances in Space Research, 2016, 58, 541-544.	2.6	14
14	Modeling of the physical selenocentric surface using modern satellite observations and harmonic analysis methods. Journal of Physics: Conference Series, 2018, 1038, 012003.	0.4	14
15	Selenocentric reference coordinates net in the dynamic system. Journal of Physics: Conference Series, 2015, 661, 012014.	0.4	12
16	Breaks in surface brightness profiles and radial abundance gradients in the discs of spiral galaxies. Astronomy and Astrophysics, 2017, 608, A127.	5.1	12
17	Development of Methods for Navigational Referencing of Circumlunar Spacecrafts to the Selenocentric Dynamic Coordinate System. Astronomy Reports, 2020, 64, 795-803.	0.9	12
18	Study of the local fluctuations of the Earth's crust using data of latitude observations. Geophysical Research Letters, 2005, 32, .	4.0	11

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19	The fractal analysis of the gravitational field and topography of the Mars. Journal of Physics: Conference Series, 2017, 929, 012002.	0.4	11
20	Non-stationarity and cross-correlation effects in the MHD solar activity. Advances in Space Research, 2018, 61, 639-644.	2.6	11
21	Use of an Analytical Theory for the Physical Libration of the Moon to Detect Free Nutation of the Lunar Core. Astronomy Reports, 2018, 62, 1021-1025.	0.9	11
22	Dynamic and spectral X-ray features of the microquasar XTE J1550-564. Kinematics and Physics of Celestial Bodies, 2014, 30, 63-69.	0.6	10
23	Use of long-term models for analysis of comet Encke's motion. Advances in Space Research, 2016, 58, 2400-2406.	2.6	10
24	The ι-Cygnid Meteor Shower and Its Relationship with Near-Earth Asteroids. Astronomy Reports, 2020, 64, 1087-1092.	0.9	10
25	Studies of Modern Star Catalogs Based on Photoelectric Observations of Lunar Occultations of Stars. Astronomy Reports, 2018, 62, 1042-1049.	0.9	9
26	Circumnuclear regions of different BPT types in star-forming MaNGA galaxies: AGN detectability. Astronomy and Astrophysics, 2020, 639, A96.	5.1	9
27	Genetic analysis of parameters of near earth asteroids for determining parent bodies of meteoroid streams. Advances in Space Research, 2018, 62, 2355-2363.	2.6	8
28	Analysis of topocentric and gravimetric data from modern space missions. Journal of Physics: Conference Series, 2018, 1135, 012002.	0.4	7
29	The fractal analysis of the topography and gravitational field of Venus. Journal of Physics: Conference Series, 2018, 1038, 012020.	0.4	7
30	Genetic analysis of the meteor showers and asteroids. Journal of Physics: Conference Series, 2019, 1400, 022045.	0.4	7
31	Lunar-Based Measurements of the Moon's Physical Libration: Methods and Accuracy Estimates. Astronomy Reports, 2020, 64, 1078-1086.	0.9	7
32	Use of long-term nongravitational force models for fitting astrometric observations of comet Encke. Advances in Space Research, 2017, 60, 1101-1107.	2.6	6
33	Analysis of the terrestrial global digital model using fractal geometry and harmonic expansion into spherical functions. Journal of Physics: Conference Series, 2018, 1135, 012003.	0.4	6
34	Geochemical Constraints for the Bulk Composition of the Moon. Doklady Earth Sciences, 2018, 483, 1475-1479.	0.7	6
35	The operation of combining sets for images in optical echo holography. Journal of Physics: Conference Series, 2019, 1283, 012011.	0.4	6
36	Analysis of the surfaces and gravitational fields of planets using robust modeling methods. Journal of Physics: Conference Series, 2019, 1400, 022019.	0.4	6

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37	Properties of galaxies with an offset between the position angles of the major kinematic and photometric axes. Astronomy and Astrophysics, 2020, 634, A26.	5.1	6
38	MaNGA galaxies with off-centered spots of enhanced gas velocity dispersion. Astronomy and Astrophysics, 2021, 653, A11.	5.1	6
39	The study of near Earth objects and meteor showers. Journal of Physics: Conference Series, 2020, 1697, 012036.	0.4	6
40	Peculiar motions of the gas at the centre of the barred galaxy UGC 4056. Astronomy and Astrophysics, 2019, 628, A55.	5.1	5
41	The Use of Multi-Parameter Analysis and Fractal Geometry for Investigating the Structure of the Lunar Surface. Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki, 2020, 162, 223-236.	0.0	5
42	Determination of refraction anomalies by global inclinations of airstratas of identical density. Astronomische Nachrichten, 2005, 326, 773-776.	1.2	4
43	Lorentzian's analysis of the accuracy of modern catalogues of stellar positions. Journal of Physics: Conference Series, 2015, 661, 012015.	0.4	4
44	The Physical Surface of the Moon: A Digital Model Based on Satellite Altimetry. Astronomy Reports, 2021, 65, 435-444.	0.9	4
45	Physical Libration of the Moon: An Extended Problem. Astronomy Reports, 2020, 64, 1093-1106.	0.9	4
46	Selenophysics and Models of the Lunar Three-Layered Mantle. Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki, 2019, 161, 24-38.	0.0	4
47	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. Journal of Physics: Conference Series, 2017, 929, 012013.	0.4	3
48	Analysis of orbital theories for the construction of the numerical theory of the lunar physical librations. Journal of Physics: Conference Series, 2018, 1038, 012004.	0.4	3
49	Isodensity analysis of comets using the collection of digitized Engelhardt Astronomical Observatory photographic plates. Astronomische Nachrichten, 2019, 340, 698-704.	1.2	3
50	Analysis of Latitude Observations and Data of Satellite Navigation Systems to Determine Geodynamic Parameters. Astronomy Reports, 2021, 65, 224-232.	0.9	3
51	The analysis of Venus' physical surface using methods of fractal geometry. Journal of Physics: Conference Series, 2020, 1697, 012019.	0.4	3
52	The study of models of space selenophysics using multi-parameter analysis and fractal geometry. Journal of Physics: Conference Series, 2020, 1697, 012024.	0.4	3
53	Analysis of analytical and numerical dynamic lunar ephemerides. Journal of Physics: Conference Series, 2020, 1697, 012018.	0.4	3
54	Analysis of dynamical and quasidynamical space coordinate systems. , 2017, , .		2

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55	Construction of simulation models of lunar observations. Journal of Physics: Conference Series, 2018, 1135, 012001.	0.4	2
56	Analysis of the dynamic coordinate system using photoelectric lunar occultations. Journal of Physics: Conference Series, 2019, 1400, 022044.	0.4	2
57	The difference logical operation for images in optical echo holography. Journal of Physics: Conference Series, 2020, 1628, 012001.	0.4	2
58	Creation of a Simulation Model of Spacecrafts' Navigation Referencing to the Digital Map of the Moon. Studies in Systems, Decision and Control, 2021, , 193-204.	1.0	2
59	Two types of distribution of the gas velocity dispersion of MaNGA galaxies. Astronomy and Astrophysics, 2021, 646, A54.	5.1	2
60	Creation of a theoretical simulation model of orbital referencing of lunar objects' optical observations taken by space lunar satellite to the selenocentric coordinate system. Journal of Physics: Conference Series, 2020, 1697, 012016.	0.4	2
61	Differentiation of the Contribution of Velocity-Changing Gas-Particle Collisions to Attenuation of the Stimulated Photon Echo Response. Journal of Applied Spectroscopy, 2019, 85, 1017-1021.	0.7	1
62	The multiparametric method of analyzing the lunar dynamic processes. Journal of Physics: Conference Series, 2019, 1400, 022047.	0.4	1
63	The development of projective metric method for analyzing star positions. Journal of Physics: Conference Series, 2020, 1697, 012033.	0.4	1
64	The Use of Photometric Structural Analysis and Digitized Positional Observation Data to Study Small Celestial Bodies. Astronomy Reports, 2021, 65, 427-434.	0.9	1
65	The fractal method application for space maps analysis. , 2017, , .		1
66	Meteorite hazard model for a space mission to Mars. Journal of Physics: Conference Series, 2021, 2103, 012031.	0.4	1
67	Studying the fractal properties of Ceres. Journal of Physics: Conference Series, 2021, 2103, 012035.	0.4	1
68	Observation of Stars from the Lunar Surface: Estimation Inaccuracy of the Physical Libration Parameters in Dependence on Errors of Stellar Coordinates in Stellar Catalogues. , 2016, , .		0
69	Making dynamical reference lunar system. , 2016, , .		0
70	Construction of the navigational reference network on the surface of the Moon. , 2017, , .		0
71	Center of space education, science and technologies in EAO. , 2017, , .		0
72	Use of multiparametric analysis of meteor showers for their parental bodies' genetic parameters determination. Journal of Physics: Conference Series, 2018, 1038, 012019.	0.4	0

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73	Analysis of the topography and gravitational field of Venus using space missions data and fractal geometry. , 2018, , .		0
74	Analysis of lunar macromodels using â€œClementineâ€, â€œKaguyaâ€, and â€œLROâ€ space missions data. , 2018, , .		0
75	Analysis of the selenophysics parameters using the space missions data. , 2018, , .		0
76	The study of the space topographic models using fractal methods and harmonic multi-parametric analysis. , 2018, , .		0
77	Lunar Free Core Nutation detection opens new tasks for the lunar laser ranging and future space missions. , 2018, , .		0
78	Analysis of dynamic ephemeris and physical libration of the Moon in order to create a lunar navigational system. , 2018, , .		0
79	Characteristic Features of the Colors of Shower Meteors and Sporadic Meteors from Observations with the Mini-MegaTORTORA System. Astronomy Reports, 2019, 63, 666-686.	0.9	0
80	The Study of Dynamic Parameters of Corporate Graphic Stations Using Methods of Adaptive Regression Multi-Parameter Modeling. , 2020, , .		0
81	The creation of a regression model of the Earthâ€™s pole motion with a feature of dynamic prediction. Journal of Physics: Conference Series, 2020, 1697, 012029.	0.4	0
82	The study of the influence of interstellar extinction laws on the parameters of photometric system using astrophysical observations taken at EAO. Journal of Physics: Conference Series, 2020, 1697, 012032.	0.4	0
83	Using Additive Robust Modeling and Fault Simulation for Laser Ranging Measurements. , 2020, , .		0
84	The Use of Huberâ€™s Method for Estimating Libration Selenographic Parameters. Studies in Systems, Decision and Control, 2021, , 237-246.	1.0	0
85	Analysis of Photoelectric Occultations and Development of a Digital Model of the Lunar Libration Zone. Astronomy Reports, 2021, 65, 580-587.	0.9	0
86	The Study of Geodynamic Parameters on the Basis of Adaptive Regression Modeling. Studies in Systems, Decision and Control, 2021, , 225-236.	1.0	0
87	TEACHING COURSES ON SPACE GEODESY, ASTRONOMY, AND NATURAL SCIENCE CONCEPTIONS AT KAZAN FEDERAL UNIVERSITY. , 2011, , .		0
88	SCIENTIFIC AND EDUCATIONAL CENTER OF SPACE RESEARCHES AND TECHNOLOGIES IN KAZAN FEDERAL UNIVERSITY. , 2011, , .		0
89	THE METHOD OF ASTRONOMICAL REFRACTION ANOMALIES ANALYSIS BASED ON AEROLOGICAL DATA. , 2017, , .		0
90	THE METHOD OF MOONQUAKES SELENOPHYSICAL PARAMETERS ANALYSIS. , 2017, , .		0

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91	THE STUDY OF THE LUNAR MACRO-FIGURE MODELS USING MULTI-PARAMETRIC HARMONIC ANALYSIS AND EXPANSION IN SPHERICAL FUNCTIONS. , 2017, , .		0
92	ANALYSIS OF 430322 LUNAR OCCULTATION. , 2017, , .		0
93	DEVELOPMENT OF SOFTWARE AND ANALYTICAL COMPLEX FOR BRAIN ACTIVITY MONITORING DURING SPACE FLIGHT. , 2017, , .		0
94	THE SOFTWARE COMPLEX FOR COMPUTER SIMULATING THE OBSERVATION OF STARS FROM THE LUNAR SURFACE AND CALCULATING THEIR SELENOGRAPHICAL COORDINATES. , 2017, , .		0
95	MULTI-PARAMETRIC ANALYSIS OF THE LUNAR INTERNAL STRUCTURE BASED ON SPACE DATA. , 2017, , .		0
96	Simulation of the effect of errors in stellar coordinates from catalogs on the accuracy of the physical libration when observing the lunar rotation from the moon's surface. , 2017, , .		0
97	ANALYSIS MHD SOLAR ACTIVITY USING ROBUST METHODS. , 2018, , .		0
98	THE METHOD OF REDUCING DISSIMILAR SPACE IMAGES TO THE SINGLE REFERENCE SYSTEM. , 2018, , .		0
99	COMPUTER DETERMINATION OF OPTIMAL PARAMETERS FOR THE TELESCOPE PLACED ON THE LUNAR SURFACE. , 2018, , .		0
100	USING ROBUST REGRESSION METHODS FOR IMPROVE THE ACCURACY OF THE ESTIMATING OF OBSERVATIONAL MODELS PARAMETERS. , 2018, , .		0
101	ANALYSIS OF THE TERRESTRIAL POLE COORDINATES USING REGRESSION DYNAMIC MODELING. , 2018, , .		0
102	THE STUDY OF FULL FLOW STATISTICAL FEATURES OF THE X-RAYS CYGNUS Xï¿½1 BINARY SYSTEM. , 2018, , .		0
103	MAKING THE SOFTWARE PACKAGE FOR ANALYSIS THE STATISTICAL MODELS OF SPACE OBSERVATIONS. , 2018, , .		0
104	ANALYSIS GPS AND DORIS GEOCENTER OSCILLATION MEASUREMENTS USING SOFTWARE PACKAGE ASDRM. , 2018, , .		0
105	USING THE AUTOMATED SYSTEM ROBUST MODELING FOR STUDY THE SURFACES AND GRAVITY FIELDS PLANETS. , 2018, , .		0
106	DEVELOPING SOFTWARE PROCESSOR TO CARRY OUT ANALYTICAL OPERATIONS ON TRIGONOMETRIC SERIES USING OOP METHOD. , 2018, , .		0
107	ANALYSIS LUNAR MAPS USING MULTIFRACTAL METHOD. , 2018, , .		0
108	DEVELOPMENT OF NEW METHODS OF AUTO- AND CROSS-CORRELATION ANALYSIS OF QUASI-STAR OBJECTSï¿½ X-RAYS INTENSITY. , 2018, , .		0

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109	DEVELOPMENT OF THE SOFTWARE PACKAGE ï¿½INTERACTIVE AUTOMATED SYSTEM FOR OPTIMAL REGRESSIONS MODELINGï¿½. , 2018, , .		0
110	USING ADAPTIVE REGRESSIONS FOR ANALYSIS OF SERVER TIME PARAMETERS. , 2018, , .		0
111	ANALYSIS OF THE GEODYNAMIC ACTIVITY NEAR LARGE RESERVOIRS. , 2019, , .		0
112	THE ROBUST METHOD FOR SELENOPHYSICAL PARAMETERS ESTIMATIONS. , 2019, , .		0
113	THE GRAVITATIONAL ANOMALIES ACCOUNTING METHOD AT GEODETIC OBSERVATIONS. , 2019, , .		0
114	THE MULTIFACTORIAL SIMULATION OF ASSESSING THE ACCURACY OF MODERN STAR CATALOGUES. , 2019, , .		0
115	THE DEVELOPMENT OF THE GEODETIC EDUCATION AND GEODETIC STUDIES IN KAZAN. , 2019, , .		0
116	PARAMETERS OF NUMERICAL AND ANALYTICAL EPHEMERIDES OF THE MOON USE COMPLEX SYSTEMS ANALYSIS METHODS. , 2020, , .		0
117	STUDY OF NEAR EARTH OBJECTS. , 2020, , .		0
118	The Digital Fractal Model of the Earth Based on Space Measurements Data. , 2021, , .		0
119	The Use of Deterministic Mathematical Modeling for the Prediction of Dynamic Geophysical Processes. , 2021, , .		0
120	Automated Complex for the Study of Digital Model of Titan. , 2021, , .		0
121	The Study of Selenophysical Parameters with the Use of the Noise-Immune Method of Robust Estimates. Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki, 2020, 162, 481-491.	0.0	0
122	THE DEVELOPMENT OF A SELENOCENTRIC SATELLITE SIMULATION NAVIGATION SYSTEM BY MEANS OF THE LUNAR SURFACE MODEL. , 2020, , .		0
123	THE CREATION OF DIGITAL SATELLITE SELENOCENTRIC MAPS USING FRACTAL GEOMETRY AND MULTI-PARAMETER HARMONIC MODELING. , 2020, , .		0
124	THE USE OF VECTOR INTERPRETATION OF PROJECTIVE GEOMETRY INVARIANTS FOR ANALYZING DYNAMIC SPATIAL IMAGES. , 2020, , .		0
125	STUDY OF THE IMPACT OF TECHNOGENIC PROCESSES ON GEOPHYSICAL ACTIVITY. , 2020, , .		0
126	ANTIJAMMING ANALYSIS OF POSITIONAL OBSERVATIONS. , 2020, , .		0

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127	THE FRACTAL PARAMETERS OF VENUSIAN PHYSICAL SURFACES. , 2020, , .		0
128	Dynamic Parameters of the Geocenter Produced by GPS and DORIS Navigation Systems by Means of Adaptive Regression Methods. , 2021, , .		0
129	The Earth Remote Sensing Method via Quantum and Optical Systems. , 2021, , .		0
130	Analysis of the Earth's Pole Dynamics by Means of Regression Modeling. , 2021, , .		0
131	The analysis of Titan's physical surface using multifractal geometry methods. Journal of Physics: Conference Series, 2021, 2103, 012017.	0.4	0
132	Analysis of modern observations of meteor showers based on PTM methods. Journal of Physics: Conference Series, 2021, 2103, 012024.	0.4	0
133	Search for possible connections of the h-Virginids meteor shower with near-Earth asteroids. Journal of Physics: Conference Series, 2021, 2103, 012037.	0.4	0
134	Stochastic analysis of dynamic processes in the solar activity. Journal of Physics: Conference Series, 2021, 2103, 012018.	0.4	0
135	Structural analysis of the comet 45P/Honda based on isophote modeling. Journal of Physics: Conference Series, 2021, 2103, 012022.	0.4	0
136	Fundamental parameters modeling for the lunar telescope. Journal of Physics: Conference Series, 2021, 2103, 012019.	0.4	0