

Alexey Andreev

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

283
citations

933447

10
h-index

1058476

14
g-index

103
all docs

103
docs citations

103
times ranked

26
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of data of "Clementine" and "KAGUYA" missions and "ULCN" and "KSC-1162" catalogues. <i>Advances in Space Research</i> , 2012, 50, 1564-1569.	2.6	29
2	Creation of a Global Selenocentric Coordinate Reference Frame. <i>Astronomy Reports</i> , 2018, 62, 1016-1020.	0.9	17
3	The analytical and numerical approaches to the theory of the Moon's librations: Modern analysis and results. <i>Advances in Space Research</i> , 2017, 60, 2303-2313.	2.6	15
4	Analysis of the Lyrids' meteor stream structure for long timeslots. <i>Advances in Space Research</i> , 2016, 58, 541-544.	2.6	14
5	Modeling of the physical selenocentric surface using modern satellite observations and harmonic analysis methods. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012003.	0.4	14
6	Development of Methods for Navigational Referencing of Circumlunar Spacecrafts to the Selenocentric Dynamic Coordinate System. <i>Astronomy Reports</i> , 2020, 64, 795-803.	0.9	12
7	The fractal analysis of the gravitational field and topography of the Mars. <i>Journal of Physics: Conference Series</i> , 2017, 929, 012002.	0.4	11
8	Non-stationarity and cross-correlation effects in the MHD solar activity. <i>Advances in Space Research</i> , 2018, 61, 639-644.	2.6	11
9	Use of an Analytical Theory for the Physical Libration of the Moon to Detect Free Nutation of the Lunar Core. <i>Astronomy Reports</i> , 2018, 62, 1021-1025.	0.9	11
10	Use of long-term models for analysis of comet Encke's motion. <i>Advances in Space Research</i> , 2016, 58, 2400-2406.	2.6	10
11	The $\hat{\eta}$ -Cygnid Meteor Shower and Its Relationship with Near-Earth Asteroids. <i>Astronomy Reports</i> , 2020, 64, 1087-1092.	0.9	10
12	Studies of Modern Star Catalogs Based on Photoelectric Observations of Lunar Occultations of Stars. <i>Astronomy Reports</i> , 2018, 62, 1042-1049.	0.9	9
13	Genetic analysis of parameters of near earth asteroids for determining parent bodies of meteoroid streams. <i>Advances in Space Research</i> , 2018, 62, 2355-2363.	2.6	8
14	Analysis of topocentric and gravimetric data from modern space missions. <i>Journal of Physics: Conference Series</i> , 2018, 1135, 012002.	0.4	7
15	The fractal analysis of the topography and gravitational field of Venus. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012020.	0.4	7
16	Genetic analysis of the meteor showers and asteroids. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 022045.	0.4	7
17	Lunar-Based Measurements of the Moon's Physical Libration: Methods and Accuracy Estimates. <i>Astronomy Reports</i> , 2020, 64, 1078-1086.	0.9	7
18	Use of long-term nongravitational force models for fitting astrometric observations of comet Encke. <i>Advances in Space Research</i> , 2017, 60, 1101-1107.	2.6	6

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19	Analysis of the terrestrial global digital model using fractal geometry and harmonic expansion into spherical functions. <i>Journal of Physics: Conference Series</i> , 2018, 1135, 012003.	0.4	6
20	The operation of combining sets for images in optical echo holography. <i>Journal of Physics: Conference Series</i> , 2019, 1283, 012011.	0.4	6
21	Analysis of the surfaces and gravitational fields of planets using robust modeling methods. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 022019.	0.4	6
22	The study of near Earth objects and meteor showers. <i>Journal of Physics: Conference Series</i> , 2020, 1697, 012036.	0.4	6
23	The Use of Multi-Parameter Analysis and Fractal Geometry for Investigating the Structure of the Lunar Surface. <i>Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki</i> , 2020, 162, 223-236.	0.0	5
24	The Physical Surface of the Moon: A Digital Model Based on Satellite Altimetry. <i>Astronomy Reports</i> , 2021, 65, 435-444.	0.9	4
25	Physical Libration of the Moon: An Extended Problem. <i>Astronomy Reports</i> , 2020, 64, 1093-1106.	0.9	4
26	Selenophysics and Models of the Lunar Three-Layered Mantle. <i>Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki</i> , 2019, 161, 24-38.	0.0	4
27	The method for celestial bodies's 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> , 2017, 929, 012013.	0.4	3
28	Analysis of orbital theories for the construction of the numerical theory of the lunar physical librations. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012004.	0.4	3
29	Isodensity analysis of comets using the collection of digitized Engelhardt Astronomical Observatory photographic plates. <i>Astronomische Nachrichten</i> , 2019, 340, 698-704.	1.2	3
30	Analysis of Latitude Observations and Data of Satellite Navigation Systems to Determine Geodynamic Parameters. <i>Astronomy Reports</i> , 2021, 65, 224-232.	0.9	3
31	The analysis of Venus's physical surface using methods of fractal geometry. <i>Journal of Physics: Conference Series</i> , 2020, 1697, 012019.	0.4	3
32	The study of models of space selenophysics using multi-parameter analysis and fractal geometry. <i>Journal of Physics: Conference Series</i> , 2020, 1697, 012024.	0.4	3
33	Analysis of analytical and numerical dynamic lunar ephemerides. <i>Journal of Physics: Conference Series</i> , 2020, 1697, 012018.	0.4	3
34	Analysis of dynamical and quasidynamical space coordinate systems. , 2017, , .		2
35	Construction of simulation models of lunar observations. <i>Journal of Physics: Conference Series</i> , 2018, 1135, 012001.	0.4	2
36	Analysis of the dynamic coordinate system using photoelectric lunar occultations. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 022044.	0.4	2

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37	The difference logical operation for images in optical echo holography. Journal of Physics: Conference Series, 2020, 1628, 012001.	0.4	2
38	Creation of a Simulation Model of Spacecraftsâ€™™ Navigation Referencing to the Digital Map of the Moon. Studies in Systems, Decision and Control, 2021, , 193-204.	1.0	2
39	Creation of a theoretical simulation model of orbital referencing of lunar objectsâ€™™ optical observations taken by space lunar satellite to the selenocentric coordinate system. Journal of Physics: Conference Series, 2020, 1697, 012016.	0.4	2
40	The multiparametric method of analyzing the lunar dynamic processes. Journal of Physics: Conference Series, 2019, 1400, 022047.	0.4	1
41	The development of projective metric method for analyzing star positions. Journal of Physics: Conference Series, 2020, 1697, 012033.	0.4	1
42	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
43	The fractal method application for space maps analysis. , 2017, , .		1
44	Making dynamical reference lunar system. , 2016, , .		0
45	Construction of the navigational reference network on the surface of the Moon. , 2017, , .		0
46	Center of space education, science and technologies in EAO. , 2017, , .		0
47	Use of multiparametric analysis of meteor showers for their parental bodiesâ€™™ genetic parameters determination. Journal of Physics: Conference Series, 2018, 1038, 012019.	0.4	0
48	Analysis of the topography and gravitational field of Venus using space missions data and fractal geometry. , 2018, , .		0
49	Analysis of lunar macromodels using â€œClementineâ€¢, â€œKaguyaâ€¢, and â€œLROâ€¢space missions data. , 2018, , .		0
50	Analysis of the selenophysics parameters using the space missions data. , 2018, , .		0
51	The study of the space topographic models using fractal methods and harmonic multi-parametric analysis. , 2018, , .		0
52	Lunar Free Core Nutation detection opens new tasks for the lunar laser ranging and future space missions. , 2018, , .		0
53	Analysis of dynamic ephemeris and physical libration of the Moon in order to create a lunar navigational system. , 2018, , .		0
54	The Study of Dynamic Parameters of Corporate Graphic Stations Using Methods of Adaptive Regression Multi-Parameter Modeling. , 2020, , .		0

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55	The creation of a regression model of the Earth's pole motion with a feature of dynamic prediction. Journal of Physics: Conference Series, 2020, 1697, 012029.	0.4	0
56	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
57	Using Additive Robust Modeling and Fault Simulation for Laser Ranging Measurements. , 2020, , .		0
58	The Use of the Synthetic Method of Harmonic Analysis for Investigating the Structure of Space Natural Bodies. Studies in Systems, Decision and Control, 2021, , 215-224.	1.0	0
59	Analysis of Photoelectric Occultations and Development of a Digital Model of the Lunar Libration Zone. Astronomy Reports, 2021, 65, 580-587.	0.9	0
60	The Study of Geodynamic Parameters on the Basis of Adaptive Regression Modeling. Studies in Systems, Decision and Control, 2021, , 225-236.	1.0	0
61	TEACHING COURSES ON SPACE GEODESY, ASTRONOMY, AND NATURAL SCIENCE CONCEPTIONS AT KAZAN FEDERAL UNIVERSITY. , 2011, , .		0
62	SCIENTIFIC AND EDUCATIONAL CENTER OF SPACE RESEARCHES AND TECHNOLOGIES IN KAZAN FEDERAL UNIVERSITY. , 2011, , .		0
63	THE METHOD OF ASTRONOMICAL REFRACTION ANOMALIES ANALYSIS BASED ON AEROLOGICAL DATA. , 2017, , .		0
64	THE METHOD OF MOONQUAKES SELENOLOGICAL PARAMETERS ANALYSIS. , 2017, , .		0
65	THE STUDY OF THE LUNAR MACRO-FIGURE MODELS USING MULTI-PARAMETRIC HARMONIC ANALYSIS AND EXPANSION IN SPHERICAL FUNCTIONS. , 2017, , .		0
66	ANALYSIS OF 430322 LUNAR OCCULTATION. , 2017, , .		0
67	DEVELOPMENT OF SOFTWARE AND ANALYTICAL COMPLEX FOR BRAIN ACTIVITY MONITORING DURING SPACE FLIGHT. , 2017, , .		0
68	THE SOFTWARE COMPLEX FOR COMPUTER SIMULATING THE OBSERVATION OF STARS FROM THE LUNAR SURFACE AND CALCULATING THEIR SELENOLOGICAL COORDINATES. , 2017, , .		0
69	MULTI-PARAMETRIC ANALYSIS OF THE LUNAR INTERNAL STRUCTURE BASED ON SPACE DATA. , 2017, , .		0
70	ANALYSIS MHD SOLAR ACTIVITY USING ROBUST METHODS. , 2018, , .		0
71	THE METHOD OF REDUCING DISSIMILAR SPACE IMAGES TO THE SINGLE REFERENCE SYSTEM. , 2018, , .		0
72	COMPUTER DETERMINATION OF OPTIMAL PARAMETERS FOR THE TELESCOPE PLACED ON THE LUNAR SURFACE. , 2018, , .		0

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73	MAKING THE MULTICOMPONENT MODEL OF EARTH LATITUDE ALTERNATION USING SOFTWARE PACKAGE ASRM-2017. , 2018, , .		0
74	USING ROBUST REGRESSION METHODS FOR IMPROVE THE ACCURACY OF THE ESTIMATING OF OBSERVATIONAL MODELS PARAMETERS. , 2018, , .		0
75	ANALYSIS OF THE TERRESTRIAL POLE COORDINATES USING REGRESSION DYNAMIC MODELING. , 2018, , .		0
76	THE STUDY OF FULL FLOW STATISTICAL FEATURES OF THE X-RAYS CYGNUS X-1 BINARY SYSTEM. , 2018, , .		0
77	MAKING THE SOFTWARE PACKAGE FOR ANALYSIS THE STATISTICAL MODELS OF SPACE OBSERVATIONS. , 2018, , .		0
78	ANALYSIS GPS AND DORIS GEOCENTER OSCILLATION MEASUREMENTS USING SOFTWARE PACKAGE ASDRM. , 2018, , .		0
79	USING THE AUTOMATED SYSTEM ROBUST MODELING FOR STUDY THE SURFACES AND GRAVITY FIELDS PLANETS. , 2018, , .		0
80	DEVELOPING SOFTWARE PROCESSOR TO CARRY OUT ANALYTICAL OPERATIONS ON TRIGONOMETRIC SERIES USING OOP METHOD. , 2018, , .		0
81	ANALYSIS LUNAR MAPS USING MULTIFRACTAL METHOD. , 2018, , .		0
82	DEVELOPMENT OF NEW METHODS OF AUTO- AND CROSS-CORRELATION ANALYSIS OF QUASI-STAR OBJECTS X-RAYS INTENSITY. , 2018, , .		0
83	DEVELOPMENT OF THE SOFTWARE PACKAGE INTERACTIVE AUTOMATED SYSTEM FOR OPTIMAL REGRESSIONS MODELING. , 2018, , .		0
84	USING ADAPTIVE REGRESSIONS FOR ANALYSIS OF SERVER TIME PARAMETERS. , 2018, , .		0
85	ANALYSIS OF THE GEODYNAMIC ACTIVITY NEAR LARGE RESERVOIRS. , 2019, , .		0
86	THE ROBUST METHOD FOR SELENOPHYSICAL PARAMETERS ESTIMATIONS. , 2019, , .		0
87	THE GRAVITATIONAL ANOMALIES ACCOUNTING METHOD AT GEODETIC OBSERVATIONS. , 2019, , .		0
88	THE MULTIFACTORIAL SIMULATION OF ASSESSING THE ACCURACY OF MODERN STAR CATALOGUES. , 2019, , .		0
89	THE METHOD OF DETERMINING THE ORIENTATION OF DYNAMIC COORDINATE SYSTEM IN RELATION TO HCRF. , 2019, , .		0
90	THE DEVELOPMENT OF THE GEODETIC EDUCATION AND GEODETIC STUDIES IN KAZAN. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
91	PARAMETERS OF NUMERICAL AND ANALYTICAL EPHEMERIDES OF THE MOON USE COMPLEX SYSTEMS ANALYSIS METHODS. , 2020, , .		0
92	STUDY OF NEAR EARTH OBJECTS. , 2020, , .		0
93	The Digital Fractal Model of the Earth Based on Space Measurements Data. , 2021, , .		0
94	The Use of Deterministic Mathematical Modeling for the Prediction of Dynamic Geophysical Processes. , 2021, , .		0
95	Automated Complex for the Study of Digital Model of Titan. , 2021, , .		0
96	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
97	THE DEVELOPMENT OF A SELENOCENTRIC SATELLITE SIMULATION NAVIGATION SYSTEM BY MEANS OF THE LUNAR SURFACE MODEL. , 2020, , .		0
98	THE CREATION OF DIGITAL SATELLITE SELENOCENTRIC MAPS USING FRACTAL GEOMETRY AND MULTI-PARAMETER HARMONIC MODELING. , 2020, , .		0
99	THE USE OF VECTOR INTERPRETATION OF PROJECTIVE GEOMETRY INVARIANTS FOR ANALYZING DYNAMIC SPATIAL IMAGES. , 2020, , .		0
100	STUDY OF THE IMPACT OF TECHNOGENIC PROCESSES ON GEOPHYSICAL ACTIVITY. , 2020, , .		0
101	ANTIJAMMING ANALYSIS OF POSITIONAL OBSERVATIONS. , 2020, , .		0
102	THE FRACTAL PARAMETERS OF VENUSIAN PHYSICAL SURFACES. , 2020, , .		0
103	The Earth Remote Sensing Method via Quantum and Optical Systems. , 2021, , .		0