Anatoly A Ivanov

List of Publications by Year
in descending order

44 papers	448 citations	759190 12 h-index	752679 20 g-index
44 all docs	44 docs citations	44 times ranked	261 citing authors

#	Article	IF	Citations
1	The spectrum features of UHECRs below and surrounding GZK. Nuclear Physics, Section B, Proceedings Supplements, 2004, 136, 3-11.	0.4	68
2	Measuring extensive air showers with Cherenkov light detectors of the Yakutsk array: the energy spectrum of cosmic rays. New Journal of Physics, 2009, 11, 065008.	2.9	61
3	Estimation of the energy of the electron-photon component of cosmic rays on the basis of data for Cherenkov light from ultrahigh-energy extensive air showers. JETP Letters, 2006, 83, 473-477.	1.4	27
4	Main results of the study of ultrahigh-energy cosmic rays in the Yakutsk Extensive Air Shower Array. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.4	24
5	Characteristics of EAS and primary particle mass composition in the energy region of 1017â€“3â‹…1019 eV by Yakutsk data. Nuclear Physics, Section B, Proceedings Supplements, 2006, 151, 92-95.	0.4	20
6	Azimuthal modulation of the event rate of cosmic-ray extensive air showers by the geomagnetic field. JETP Letters, 1999, 69, 288-293.	1.4	19
7	Determining the primary cosmic ray energy from the total flux of Cherenkov light measured at the Yakutsk EAS array. Journal of Experimental and Theoretical Physics, 2007, 104, 872-886.	0.9	17
8	Wide field-of-view Cherenkov telescope for the detection of cosmic rays in coincidence with the Yakutsk extensive air shower array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 772, 34-42.	1.6	17
9	Recent results from the Yakutsk experiment: The development of EAS and the energy spectrum and primary particle mass composition in the energy region of 1015â€“1019 eV. Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 201-206.	0.4	16
10	COMPARING THE ENERGY SPECTRA OF ULTRAHIGH ENERGY COSMIC RAYS MEASURED WITH EXTENSIVE AIR SHOWER ARRAYS. Astrophysical Journal, 2010, 712, 746-751.	4.5	16
11	The energy spectrum of cosmic rays above 1015 eV derived from air Cherenkov light measurements in Yakutsk. Nuclear Physics, Section B, Proceedings Supplements, 2003, 122, 226-230.	0.4	15
12	Search for extragalactic sources of ultrahigh-energy cosmic rays. JETP Letters, 2008, 87, 185-189.	1.4	13
13	The trajectories of cosmic rays at the highest energies. III. Applications of predictions to the results from extensive air shower arrays. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 673-679.	3.6	11
14	Exploring arrival directions of UHECRs with the Yakutsk array. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 204-210.	0.4	10
15	MODELING A RELATION BETWEEN SHOWER AGE AND LATERAL DISTRIBUTION PARAMETERS OF EXTENSIVE AIR SHOWERS OF COSMIC RAYS. International Journal of Modern Physics D, 2011, 20, 1539-1545.	2.1	10
16	A method to search for correlations of UHECR masses with the large scale structures in the local galaxy density field. EPJ Web of Conferences, 2013, 53, 04010.	0.3	10
17	Analysis of anisotropy of cosmic rays with the energy of about 1017 eV by Yakutsk EAS array data. Journal of Experimental and Theoretical Physics, 2001, 92, 766-770.	0.9	9
18	FLUCTUATIONS OF Xmax AND PRIMARY PARTICLE MASS COMPOSITION IN THE RANGE OF ENERGY 5 Ã— 1017 - 3 Ã— 1019EV BY YAKUTSK DATA. International Journal of Modern Physics A, 2005, 20, 6894-6896.	1.5	8

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19	THE MINIMUM WIDTH OF THE ARRIVAL DIRECTION DISTRIBUTION OF ULTRA-HIGH-ENERGY COSMIC RAYS DETECTED WITH THE YAKUTSK ARRAY. Astrophysical Journal, 2015, 804, 122.	4.5	8
20	Cosmic ray spectrum obtained from the energy scattered by the particles of extensive air showers in the atmosphere and the galactic model. JETP Letters, 2008, 86, 621-624.	1.4	7
21	Large-scale distribution of cosmic rays in right ascension as observed by the Yakutsk array at energies above <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si18.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mn>10</mml:mn></mml:mrow><mml:mrow><mml:mn>18</mml:mn> Astroparticle Physics, 2015, 62, 1-6.	4.3	7
22	Galactic cosmic rays at. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 227-233.	3.6	6
23	Search for anisotropy in arrival directions of ultrahigh-energy cosmic rays by using the marr wavelet on the equatorial sphere. JETP Letters, 2003, 78, 695-699.	1.4	6
24	The trajectories of cosmic rays at the highest energies. I. Calculations for particles originating in the galactic plane. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 1975-1985.	3.6	5
25	Zenith angle distribution of cosmic ray showers measured with the Yakutsk array and its application to the analysis of arrival directions in equatorial coordinates. Physical Review D, 2018, 97, .	4.7	5
26	The trajectories of cosmic rays at the highest energies. II. Sensitivity of the anisotropy predictions to model parameters. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 665-672.	3.6	4
27	SPECTRUM OF COSMIC RAYS WITH ENERGY ABOVE 1017 EV. International Journal of Modern Physics A, 2005, 20, 6878-6880.	1.5	4
28	A METHOD TO SEARCH FOR CORRELATIONS OF ULTRA-HIGH ENERGY COSMIC-RAY MASSES WITH THE LARGE-SCALE STRUCTURES IN THE LOCAL GALAXY DENSITY FIELD. Astrophysical Journal, 2013, 763, 112.	4.5	4
29	Cosmic rays above 4*1019eV. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 1393-1397.	3.6	3
30	INFLUENCE OF PRIMARY COSMIC RADIATION MASS COMPOSITION ON THE ESTIMATION OF EAS ENERGY. International Journal of Modern Physics A, 2005, 20, 6897-6899.	1.5	3
31	Temporal signatures of the Cherenkov light induced by extensive air showers of cosmic rays detected with the Yakutsk array. International Journal of Modern Physics D, 2016, 25, 1650090.	2.1	3
32	Estimation of cosmic-ray energy on the basis of measurements of EAS parameters associated with the energy of the electron-photon component. Doklady Physics, 2007, 52, 523-526.	0.7	2
33	On the estimate of the energy of the nuclei of primary cosmic radiation generating extensive air showers. JETP Letters, 2010, 91, 209-214.	1.4	2
34	The engineering prototype of the wide-field Cherenkov telescope for the Yakutsk array. Journal of Physics: Conference Series, 2013, 409, 012084.	0.4	2
35	Testing for uniformity of ultra-high energy cosmic ray arrival directions. International Journal of Modern Physics D, 2016, 25, 1650065.	2.1	2
36	Reconstruction of Cherenkov radiation signals from extensive air showers of cosmic rays using data of a wide field-of-view telescope. International Journal of Modern Physics D, 2020, 29, 2050033.	2.1	2

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37	A search for extragalactic sources of Ultrahigh-Energy Cosmic Rays. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 391-394.	0.4	1
38	A search for extragalactic sources of cosmic rays in the ultra-high energy domain. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 544-546.	0.6	1
39	Some results from the Yakutsk array experiment and the status of the modernization program. EPJ Web of Conferences, 2019, 208, 08005.	0.3	0
40	EAS detection by wide-angle cherenkov telescopes at the Yakutsk array. EPJ Web of Conferences, 2019, 208, 08015.	0.3	0
41	Upper limit on the fraction of the cosmic ray flux from a separable source in the energy interval (1017) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	0
42	A method of observing Cherenkov light at the Yakutsk EAS array. EPJ Web of Conferences, 2017, 145, 14002.	0.3	0
43	Cherenkov telescope prototype. EPJ Web of Conferences, 2017, 145, 19010.	0.3	0
44	Measuring temporal characteristics of the Cherenkov radiation signal from extensive air showers of cosmic rays with a wide field-of-view telescope addendum to the Yakutsk array. Physical Review D, 2022, 105, .	4.7	0