Gennady A Kovaltsov

List of Publications by Year
in descending order

26	1,844	394421 19	552781 26
papers	citations	h-index	g-index

27	27	27	1585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heliospheric modulation of cosmic rays: Monthly reconstruction for 1951â€“2004. Journal of Geophysical Research, 2005, 110, .	3.3	352
2	Solar modulation parameter for cosmic rays since 1936 reconstructed from ground-based neutron monitors and ionization chambers. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	230
3	Dynamics of the Earthâ€™s Particle Radiation Environment. Space Science Reviews, 2009, 147, 187-231.	8.1	160
4	The Maunder minimum (1645â€“1715) was indeed a grand minimum: A reassessment of multiple datasets. Astronomy and Astrophysics, 2015, 581, A95.	5.1	158
5	A new model of cosmogenic production of radiocarbon 14C in the atmosphere. Earth and Planetary Science Letters, 2012, 337-338, 114-120.	4.4	118
6	Heliospheric modulation of cosmic rays during the neutron monitor era: Calibration using PAMELA data for 2006â€“2010. Journal of Geophysical Research: Space Physics, 2017, 122, 3875-3887.	2.4	107
7	OCCURRENCE OF EXTREME SOLAR PARTICLE EVENTS: ASSESSMENT FROM HISTORICAL PROXY DATA. Astrophysical Journal, 2012, 757, 92.	4.5	97
8	A SOLAR CYCLE LOST IN 1793-1800: EARLY SUNSPOT OBSERVATIONS RESOLVE THE OLD MYSTERY. Astrophysical Journal, 2009, 700, L154-L157.	4.5	81
9	New reconstruction of the sunspot group numbers since 1739 using direct calibration and â€œbackboneâ€• methods. Astronomy and Astrophysics, 2017, 602, A69.	5.1	70
10	Solar proton events in cosmogenic isotope data. Geophysical Research Letters, 2006, 33, .	4.0	67
11	Atmospheric impacts of the strongest known solar particle storm of 775 AD. Scientific Reports, 2017, 7, 45257.	3.3	54
12	On the common solar signal in different cosmogenic isotope data sets. Journal of Geophysical Research, 2009, 114, .	3.3	45
13	Can we properly model the neutron monitor count rate?. Journal of Geophysical Research: Space Physics, 2015, 120, 7172-7178.	2.4	39
14	Validation of the Neutron Monitor Yield Function Using Data From AMSâ€02 Experiment, 2011â€“2017. Journal of Geophysical Research: Space Physics, 2019, 124, 2367-2379.	2.4	36
15	Solar Cycle in the Heliosphere and Cosmic Rays. Space Science Reviews, 2014, 186, 409-435.	8.1	34
16	Updated Neutronâ€Monitor Yield Function: Bridging Between In Situ and Groundâ€Based Cosmic Ray Measurements. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027433.	2.4	33
17	Revisited Reference Solar Proton Event of 23 February 1956: Assessment of the Cosmogenicâ€Isotope Method Sensitivity to Extreme Solar Events. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027921.	2.4	31
18	Neutron Monitors and Cosmogenic Isotopes as Cosmic Ray Energyâ€Integration Detectors: Effective Yield Functions, Effective Energy, and Its Dependence on the Local Interstellar Spectrum. Journal of Geophysical Research: Space Physics, 2017, 122, 9790-9802.	2.4	28

#	Article	IF	Citations
19	Robustness of Solar-Cycle Empirical Rules Across Different Series Including an Updated Active-Day Fraction (ADF) Sunspot Group Series. Solar Physics, 2021, 296, 1.	2.5	20
20	New Method of Assessment of the Integral Fluence of Solar Energetic (>â€‰1 GV Rigidity) Particles from Neutron Monitor Data. Solar Physics, 2019, 294, 1.	2.5	19
21	Mind the Gap: New Precise ¹⁴C Data Indicate the Nature of Extreme Solar Particle Events. Geophysical Research Letters, 2021, 48, e2021GL094848.	4.0	18
22	An Anisotropic Cosmic-Ray Enhancement Event on 07-June-2015: A Possible Origin. Solar Physics, 2018, 293, 1.	2.5	12
23	A Solar Cycle of Cosmic Ray Fluxes for 2006â€“2014: Comparison between PAMELA and Neutron Monitors. Journal of Geophysical Research: Space Physics, 2018, 123, 4479-4487.	2.4	10
24	Effective Rigidity of a Polar Neutron Monitor for Recording Ground-Level Enhancements. Solar Physics, 2018, 293, 1.	2.5	10
25	Effective Energy of Cosmogenic Isotope (¹⁰Be, ¹⁴C and ³⁶Cl) Production by Solar Energetic Particles and Galactic Cosmic Rays. Journal of Geophysical Research: Space Physics, 2022, 127, e2021JA029919.	2.4	8
26	Application of CCM SOCOL-AERv2-BE to cosmogenic beryllium isotopes: description and validation for polar regions. Geoscientific Model Development, 2021, 14, 7605-7620.	3.6	7