

Igor Baliukin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interstellar Neutrals, Pickup Ions, and Energetic Neutral Atoms Throughout the Heliosphere: Present Theory and Modeling Overview. <i>Space Science Reviews</i> , 2022, 218, 1.	3.7	13
2	On the Energization of Pickup Ions Downstream of the Heliospheric Termination Shock by Comparing 0.52–55 keV Observed Energetic Neutral Atom Spectra to Ones Inferred from Proton Hybrid Simulations. <i>Astrophysical Journal Letters</i> , 2022, 931, L21.	3.0	11
3	The Heliosphere and Local Interstellar Medium from Neutral Atom Observations at Energies Below 10 keV. <i>Space Science Reviews</i> , 2022, 218, .	3.7	17
4	Soft X-ray and ENA Imaging of the Earth's Dayside Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028816.	0.8	13
5	Imprints of the secondary interstellar hydrogen atoms at 1 au. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2501-2508.	1.6	2
6	Energetic pickup proton population downstream of the termination shock as revealed by IBEX-Hi data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5437-5453.	1.6	10
7	Signature of a Heliotail Organized by the Solar Magnetic Field and the Role of Nonideal Processes in Modeled IBEX ENA Maps: A Comparison of the BU and Moscow MHD Models. <i>Astrophysical Journal</i> , 2021, 921, 164.	1.6	14
8	The Development of a Split-tail Heliosphere and the Role of Non-ideal Processes: A Comparison of the BU and Moscow Models. <i>Astrophysical Journal</i> , 2021, 923, 179.	1.6	14
9	Heliospheric energetic neutral atoms: Non-stationary modelling and comparison with IBEX-Hi data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 441-454.	1.6	19
10	SWAN/SOHO Lyman- α Mapping: The Hydrogen Geocorona Extends Well Beyond the Moon. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 861-885.	0.8	43
11	Secondary Interstellar Oxygen in the Heliosphere: Numerical Modeling and Comparison with IBEX-Lo Data. <i>Astrophysical Journal</i> , 2017, 850, 119.	1.6	10