

# Paweł, Swaczyna

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,553  
citations

279798

23  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	129
2	LOCAL INTERSTELLAR MEDIUM: SIX YEARS OF DIRECT SAMPLING BY <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 22.	7.7	128
3	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. III. MACH NUMBER OF THE FLOW, VELOCITY VECTOR, AND TEMPERATURE FROM THE FIRST SIX YEARS OF MEASUREMENTS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 28.	7.7	99
4	WARMER LOCAL INTERSTELLAR MEDIUM: A POSSIBLE RESOLUTION OF THE <i>ULYSSES-IBEX</i> ENIGMA. <i>Astrophysical Journal</i> , 2015, 801, 28.	4.5	90
5	DETERMINATION OF INTERSTELLAR He PARAMETERS USING FIVE YEARS OF DATA FROM THE <i>IBEX</i> : BEYOND CLOSED FORM APPROXIMATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 25.	7.7	81
6	WARM BREEZE FROM THE STARBOARD BOW: A NEW POPULATION OF NEUTRAL HELIUM IN THE HELIOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 29.	7.7	77
7	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. IV. FLOW VECTOR, MACH NUMBER, AND ABUNDANCE OF THE WARM BREEZE. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 25.	7.7	71
8	Constraining Inert Dark Matter by $R^{\hat{3}}$ and WMAP data. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	69
9	INTERSTELLAR FLOW AND TEMPERATURE DETERMINATION WITH <i>IBEX</i> : ROBUSTNESS AND SENSITIVITY TO SYSTEMATIC EFFECTS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 24.	7.7	59
10	Density of Neutral Hydrogen in the Sun's Interstellar Neighborhood. <i>Astrophysical Journal</i> , 2020, 903, 48.	4.5	56
11	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. II. THE WARSAW TEST PARTICLE MODEL (WTPM). <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 27.	7.7	51
12	Reconstruction of Helio-Latitudinal Structure of the Solar Wind Proton Speed and Density. <i>Solar Physics</i> , 2015, 290, 2589-2615.	2.5	44
13	Ceiliometer observations of the boundary layer over Warsaw, Poland. <i>Acta Geophysica</i> , 2012, 60, 1386-1412.	2.0	40
14	Time Dependence of the <i>IBEX</i> Ribbon and the Globally Distributed Energetic Neutral Atom Flux Using the First 9 Years of Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 1.	7.7	37
15	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. I. UNCERTAINTIES AND BACKGROUNDS IN THE DATA AND PARAMETER DETERMINATION METHOD. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 26.	7.7	35
16	Interstellar Neutral Helium in the Heliosphere from <i>IBEX</i> Observations. VI. The He <sup>+</sup> Density and the Ionization State in the Very Local Interstellar Matter. <i>Astrophysical Journal</i> , 2019, 882, 60.	4.5	35
17	Interstellar Neutral Helium in the Heliosphere from <i>IBEX</i> Observations. V. Observations in <i>IBEX-Lo</i> ESA Steps 1, 2, and 3. <i>Astrophysical Journal</i> , 2018, 854, 119.	4.5	34
18	Interstellar Pickup Ion Observations Halfway to the Termination Shock. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 19.	7.7	33

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19	CAN <i>IBEX</i> DETECT INTERSTELLAR NEUTRAL HELIUM OR OXYGEN FROM ANTI-RAM DIRECTIONS?. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 30.	7.7	31
20	THE INTERSTELLAR NEUTRAL He HAZE IN THE HELIOSPHERE: WHAT CAN WE LEARN?. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 29.	7.7	30
21	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , 2016, 823, 119.	4.5	27
22	Model-free Maps of Interstellar Neutral Hydrogen Measured with IBEX between 2009 and 2018. <i>Astrophysical Journal</i> , 2019, 871, 52.	4.5	25
23	Very Local Interstellar Medium Revealed by a Complete Solar Cycle of Interstellar Neutral Helium Observations with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 42.	7.7	25
24	THE ENERGY-DEPENDENT POSITION OF THE IBEX RIBBON DUE TO THE SOLAR WIND STRUCTURE. <i>Astrophysical Journal</i> , 2016, 827, 71.	4.5	22
25	Strong Scattering of $\sim 4$ keV Pickup Ions in the Local Interstellar Magnetic Field Draped around Our Heliosphere: Implications for the IBEX Ribbon's Source and IMAP. <i>Astrophysical Journal</i> , 2019, 876, 92.	4.5	22
26	Higgs $\gamma\gamma$ in the Inert Doublet Model. <i>Acta Physica Polonica B</i> , 2013, 44, 2163.	0.8	21
27	Slowdown and Heating of Interstellar Neutral Helium by Elastic Collisions beyond the Heliopause. <i>Astrophysical Journal Letters</i> , 2021, 911, L36.	8.3	21
28	Non-equilibrium Distributions of Interstellar Neutrals and the Temperature of the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 871, 254.	4.5	19
29	Termination Shock Measured by Voyagers and IBEX. <i>Astrophysical Journal</i> , 2019, 884, 145.	4.5	18
30	Heliosheath Proton Distribution in the Plasma Reference Frame. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 26.	7.7	18
31	The Heliosphere and Local Interstellar Medium from Neutral Atom Observations at Energies Below 10 keV. <i>Space Science Reviews</i> , 2022, 218, .	8.1	17
32	He <sup>+</sup> Ions Comoving with the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 875, 36.	4.5	12
33	Interstellar Neutral He Parameters from Crossing Parameter Tubes with the Interstellar Mapping and Acceleration Probe Informed by 10 yr of Interstellar Boundary Explorer Observations. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 7.	7.7	12
34	Angular Scattering in Charge Exchange: Issues and Implications for Secondary Interstellar Hydrogen. <i>Astrophysical Journal</i> , 2019, 887, 223.	4.5	11
35	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 6.	7.7	11
36	ASSESSMENT OF ENERGETIC NEUTRAL He ATOM INTENSITIES EXPECTED FROM THE IBEX RIBBON. <i>Astrophysical Journal</i> , 2014, 782, 106.	4.5	9

#	ARTICLE	IF	CITATIONS
37	Helium Energetic Neutral Atoms from the Heliosphere: Perspectives for Future Observations. <i>Astrophysical Journal</i> , 2017, 840, 75.	4.5	9
38	Parallax of the IBEX Ribbon Indicates a Spatially Retained Source. <i>Astrophysical Journal</i> , 2019, 879, 106.	4.5	9
39	Heavy coronal ions in the heliosphere. <i>Astronomy and Astrophysics</i> , 2013, 549, A76.	5.1	7
40	Solar wind He pickup ions as source of tens-of-keV/n neutral He atoms observed by the HSTOF/SOHO detector. <i>Astronomy and Astrophysics</i> , 2014, 563, A134.	5.1	6
41	Modeling Emission of Heavy Energetic Neutral Atoms from the Heliosphere. <i>Astrophysical Journal</i> , 2017, 846, 128.	4.5	3