

Michael Hahn

List of Publications by Year in descending order

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65
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citing authors

#	ARTICLE	IF	CITATIONS
19	ELECTRON-ION RECOMBINATION OF Fe XII FORMING Fe XI: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2012, 753, 57.	4.5	19
20	Observations of an Ion-Driven Instability in Non-Neutral Plasmas Confined on Magnetic Surfaces. <i>Physical Review Letters</i> , 2008, 100, 065002.	7.8	18
21	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe ¹³⁺ AND SINGLE IONIZATION OF Fe ¹⁶⁺ AND Fe ¹⁷⁺ . <i>Astrophysical Journal</i> , 2013, 767, 47.	4.5	18
22	STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe ⁹⁺ AND SINGLE IONIZATION OF Fe ¹⁰⁺ . <i>Astrophysical Journal</i> , 2012, 760, 80.	4.5	17
23	Confinement of pure electron plasmas in the Columbia Non-neutral Torus. <i>Physics of Plasmas</i> , 2007, 14, 062503.	1.9	16
24	INFLUENCE OF ELECTRON-IMPACT MULTIPLE IONIZATION ON EQUILIBRIUM AND DYNAMIC CHARGE STATE DISTRIBUTIONS: A CASE STUDY USING IRON. <i>Astrophysical Journal</i> , 2015, 800, 68.	4.5	16
25	Density Fluctuations in a Polar Coronal Hole. <i>Astrophysical Journal</i> , 2018, 860, 34.	4.5	15
26	MEASUREMENTS OF ANISOTROPIC ION TEMPERATURES, NON-THERMAL VELOCITIES, AND DOPPLER SHIFTS IN A CORONAL HOLE. <i>Astrophysical Journal</i> , 2013, 763, 106.	4.5	14
27	Laboratory Calibrations of Fe xiii-xiv Line-intensity Ratios for Electron Density Diagnostics. <i>Astrophysical Journal</i> , 2020, 890, 77.	4.5	14
28	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ⁷⁺ . <i>Astrophysical Journal</i> , 2015, 813, 16.	4.5	12
29	Magnetic Surface Visualizations in the Columbia Non-Neutral Torus. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 1108-1109.	1.3	11
30	PROPERTIES OF A POLAR CORONAL HOLE DURING THE SOLAR MINIMUM IN 2007. <i>Astrophysical Journal</i> , 2010, 725, 774-786.	4.5	10
31	Electron-impact-ionization measurements using hyperfine-assisted state preparation of ground-state berylliumlike sulfur. <i>Physical Review A</i> , 2012, 85, .	2.5	10
32	Electron impact ionization of stored highly charged ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012050.	0.4	10
33	Absolute rate coefficients for the recombination of open f-shell tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012051.	0.4	10
34	Effects of Density Fluctuations on Alfvén Wave Turbulence in a Coronal Hole. <i>Astrophysical Journal</i> , 2021, 911, 63.	4.5	10
35	Recombination of Au ²⁰⁺ at low electron-ion collision energies. <i>Physica Scripta</i> , 2011, T144, 014039.	2.5	9
36	Spectroscopic Measurements of the Ion Velocity Distribution at the Base of the Fast Solar Wind. <i>Astrophysical Journal Letters</i> , 2018, 855, L13.	8.3	8

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37	RELATIVE ABUNDANCE MEASUREMENTS IN PLUMES AND INTERPLUMES. <i>Astrophysical Journal</i> , 2015, 807, 145.	4.5	7
38	Storage ring cross section measurements for electron impact ionization of Fe ⁸⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 084006.	1.5	6
39	Confirmation of a large density variation along the magnetic axis of the Columbia Non-neutral Torus. <i>Physics of Plasmas</i> , 2008, 15, 020701.	1.9	5
40	Confinement Studies in the Columbia Non-Neutral Torus. <i>Contributions To Plasma Physics</i> , 2010, 50, 678-682.	1.1	5
41	Absolute rate coefficients for photorecombination of beryllium-like and boron-like silicon ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 074004.	1.5	5
42	Measured Reduction in Alfvén Wave Energy Propagating through Longitudinal Gradients Scaled to Match Solar Coronal Holes. <i>Astrophysical Journal</i> , 2019, 882, 183.	4.5	5
43	Physical Characteristics of Unstructured Coronal Clouds. <i>Astrophysical Journal</i> , 2021, 910, 113.	4.5	3
44	INFERRING THE CORONAL DENSITY IRREGULARITY FROM EUV SPECTRA. <i>Astrophysical Journal</i> , 2016, 829, 42.	4.5	3
45	Evidence for Parametric Decay Instability in the Lower Solar Atmosphere. <i>Astrophysical Journal</i> , 2022, 933, 52.	4.5	3
46	Thermal equilibrium of pure electron plasmas across a central region of magnetic surfaces. <i>Physics of Plasmas</i> , 2009, 16, 062104.	1.9	2
47	First Observations of Partially Neutralized and Quasineutral Plasmas in the Columbia Non-Neutral Torus. <i>Contributions To Plasma Physics</i> , 2010, 50, 673-677.	1.1	2
48	ADDENDUM: "STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ¹²⁺ FORMING Fe ¹³⁺ AND Fe ¹⁴⁺ " (2011, <i>ApJ</i> , 735, 105). <i>Astrophysical Journal</i> , 2012, 761, 79.	4.5	2
49	Roadmap on cosmic EUV and x-ray spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 092001.	1.5	2
50	Confinement jumps in a non-neutral plasma. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	1
51	Evidence for wave heating in the solar corona. <i>Annals of the New York Academy of Sciences</i> , 2013, 1293, 45-53.	3.8	1
52	Ion energy distribution in an electron beam ion trap inferred from simulations of the trapped ion cloud. <i>Physical Review E</i> , 2022, 105, 015204.	2.1	1
53	Equilibrium, stability, and transport of electron plasmas in the Columbia Non-neutral Torus. , 2007, , .		0
54	Electron impact ionization measurements at the Heidelberg heavy ion storage ring TSR. <i>Journal of Physics: Conference Series</i> , 2012, 388, 062021.	0.4	0

#	ARTICLE	IF	CITATIONS
55	ADDENDUM: ∞ STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg^{7+} FORMING Mg^{8+} (2010, ApJ, 712, 1166). Astrophysical Journal, 2012, 761, 77.	4.5	0
56	ADDENDUM: ∞ STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe^{11+} FORMING Fe^{12+} AND Fe^{13+} (2011, ApJ, 729, 76). Astrophysical Journal, 2012, 761, 78.	4.5	0
57	Dielectronic recombination of berylliumlike Si^{10+} ions at the heavy-ion storage ring TSR. Journal of Physics: Conference Series, 2014, 488, 062012.	0.4	0
58	Storage-ring measurement of the hyperfine induced $2s2p^3P_{0'} \rightarrow 2s^2S_{0'} + 2s^2P_{1'}S_{0'}$ transition rate in berylliumlike sulfur. Journal of Physics: Conference Series, 2014, 488, 062016.	0.4	0
59	Dielectronic recombination of boronlike Si^{9+} ions at the heavy-ion storage ring TSR. Journal of Physics: Conference Series, 2014, 488, 062011.	0.4	0
60	Recombination of open-4f-shell W^{18+} ions with free electrons. Journal of Physics: Conference Series, 2014, 488, 062015.	0.4	0
61	Simultaneous measurement of photorecombination and electron-impact ionization of Fe^{14+} ions. Journal of Physics: Conference Series, 2015, 635, 052002.	0.4	0
62	Electron-ion recombination of the open-4f-shell ion W^{19+} . Journal of Physics: Conference Series, 2015, 635, 052003.	0.4	0
63	Influence of Multiple Ionization on Charge State Distributions. Journal of Physics: Conference Series, 2015, 635, 052010.	0.4	0
64	Tracing the origins of the solar wind with helium. Nature Astronomy, 2020, 4, 1128-1129.	10.1	0