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List of Publications by Year
in descending order

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45	347	758635 12	887659 17
papers	citations	h-index	g-index

45	45	45	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semi-classical theory of collisional depolarization of spectral lines by atomic hydrogen I. Application to p states of neutral atoms. Astronomy and Astrophysics, 2003, 404, 763-773.	2.1	36
2	Interpretation of second solar spectrum observations of the Srâ€‰I 4607 Ã…â€€line in a quiet region: Turbulent magnetic field strength determination. Astronomy and Astrophysics, 2005, 432, 295-305.	2.1	30
3	Forbush Decreases and Geomagnetic Storms During a Highly Disturbed Solar and Interplanetary Period, 4â€“10 September 2017. Space Weather, 2019, 17, 487-496.	1.3	21
4	Collisional depolarization and transfer rates of spectral lines by atomic hydrogen. Astronomy and Astrophysics, 2003, 409, 369-373.	2.1	20
5	Collisional depolarization and transfer rates of spectral lines by atomic hydrogen. Astronomy and Astrophysics, 2004, 426, 707-715.	2.1	19
6	Hanle signatures of the coronal magnetic field in the linear polarization of the hydrogen LÎ±line. Astronomy and Astrophysics, 2010, 511, A7.	2.1	15
7	Second solar spectrum of the Srâ€‰I 4607ÂÃ…â€€line: depth probing ofÂtheÂturbulent magnetic field strength in a quiet region. Astronomy and Astrophysics, 2006, 457, 1047-1052.	2.1	15
8	Hanle effect in the solar Baâ€‰II D2 line: a diagnostic tool for chromospheric weak magnetic fields. Astronomy and Astrophysics, 2009, 493, 201-206.	2.1	15
9	Collisional depolarization of the lines of complex atoms/ions by neutral hydrogen. Astronomy and Astrophysics, 2005, 434, 779-784.	2.1	14
10	Spin depolarizing effect in collisions of simple/complex atoms inÂsphericallyÂsymmetric states with neutral hydrogen. Astronomy and Astrophysics, 2005, 441, 395-406.	2.1	13
11	Are collisions with neutral hydrogen important for modeling theÂsecond solar spectrum of Tiâ€‰I and Caâ€‰II?. Astronomy and Astrophysics, 2007, 472, 269-275.	2.1	13
12	On the collisional depolarization and transfer rates of spectral lines by atomic hydrogen. Astronomy and Astrophysics, 2004, 414, 373-376.	2.1	12
13	Collisional depolarization of molecular lines. Application to the SiO+H isotropic collisions. Astronomy and Astrophysics, 2006, 449, 1-7.	2.1	12
14	Spin depolarizing effect in collisions with neutral hydrogen. Astronomy and Astrophysics, 2007, 462, 1171-1177.	2.1	12
15	Variability of the polarization profiles of the Baâ€‰II D₂ line in the solar atmosphere. Astronomy and Astrophysics, 2009, 501, 729-734.	2.1	11
16	Multipole rates for atomic polarization studies: the case of complex atoms in non-spherically symmetric states colliding with atomic hydrogen. Astronomy and Astrophysics, 2007, 465, 667-677.	2.1	11
17	Unified numerical model of collisional depolarization and broadening rates that are due to hydrogen atom collisions. Astronomy and Astrophysics, 2015, 584, A64.	2.1	10
18	Evidence of collisional depolarization of the Baâ€‰IIÂ${lambda}$4554 line inÂtheÂlowÂchromosphere. Astronomy and Astrophysics, 2008, 481, 845-852.	2.1	7

#	Article	IF	Citations
19	General model of depolarization and transfer of polarization of singly ionized atoms by collisions with hydrogen atoms. New Astronomy, 2017, 51, 32-36.	0.8	6
20	Relative geoeffectiveness of high-speed solar wind streams from different solar sources. Advances in Space Research, 2018, 62, 765-784.	1.2	6
21	Geomagnetic response of interplanetary coronal mass ejections in the Earth's magnetosphere. Planetary and Space Science, 2018, 154, 1-4.	0.9	5
22	Effect of isotropic collisions with neutral hydrogen on the polarization of the CN solar molecule. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1213-1226.	1.6	5
23	Effect of the isotropic collisions with neutral hydrogen on the polarization of f-levels of solar ions. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2444-2449.	1.6	4
24	Collisional Depolarization of the Solar Ca, Mg, and Ba Levels. Astrophysical Journal, 2019, 880, 10.	1.6	4
25	Study of the travelling interplanetary shocks, their earth crossings and resulting geomagnetic disturbances. Astrophysics and Space Science, 2019, 364, 1.	0.5	4
26	Comprehensive Data for Depolarization of the Second Solar Spectrum by Isotropic Collisions with Neutral Hydrogen. Astrophysical Journal, Supplement Series, 2020, 247, 72.	3.0	4
27	Study of the geoeffectiveness of interplanetary magnetic clouds. Planetary and Space Science, 2017, 139, 1-10.	0.9	3
28	Scattering Polarisation of the d-States of Ions and Solar Magnetic Field: Effects of Isotropic Collisions. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	3
29	Polarization and isotropic collisions with electrons in the solar atmosphere. New Astronomy, 2019, 71, 52-56.	0.8	3
30	Anisotropic collisions and impact circular polarization. Astronomy and Astrophysics, 2007, 466, 683-687.	2.1	2
31	Passage of ICMEs, Their Associated Shock Structure, and Transient Modulation of Galactic Cosmic Rays. Solar Physics, 2017, 292, 1.	1.0	2
32	Study of the Effect of Active Regions on the Scattering Polarization in the Solar Corona. Publications of the Astronomical Society of the Pacific, 2018, 130, 034203.	1.0	2
33	Are collisions with electrons important for modeling the polarization of the lines of the C2 solar molecule?. Research in Astronomy and Astrophysics, 2020, 20, 112.	0.7	2
34	Study of the development and mechanism of large amplitude decreases in cosmic ray intensity during geomagnetic disturbances in the magnetosphere. Advances in Space Research, 2021, 68, 4702-4712.	1.2	2
35	Study of the development of geomagnetic storms in the magnetosphere using solar wind data of three different time resolutions. Astrophysics and Space Science, 2022, 367, 1.	0.5	2
36	Tensorial depolarization of alkali atoms by isotropic collisions with neutral hydrogen. Astronomy and Astrophysics, 2012, 545, A11.	2.1	1

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37	Study of the recovery characteristics of intense cosmic-ray decreases. Astrophysics and Space Science, 2021, 366, 1.	0.5	1
38	Collisional effects on the formation of the second solar spectrum of the Srâ€‰IIÎ»4078 line. Astronomy and Astrophysics, 2014, 572, A53.	2.1	0
39	Inversion of Zeeman polarization for solar magnetic field diagnostics. New Astronomy, 2017, 53, 26-34.	0.8	0
40	New Insights on the Collisional Depolarization of the Second Solar Spectrum of the Sr i 4607 Ã... Line. Astrophysical Journal, 2019, 887, 260.	1.6	0
41	Hybrid approach for treating the depolarization of the solar lines of the Baâ€‰ii, Caâ€‰ii, and Mgâ€‰ii ions by collisions. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3990-3995.	1.6	0
42	Effect of anisotropic collisions on solar scattering polarization. Research in Astronomy and Astrophysics, 2021, 21, 086.	0.7	0
43	Depolarization of MgH Solar Lines by Collisions with Hydrogen Atoms. Astrophysical Journal, 2021, 915, 122.	1.6	0
44	Depolarizing isotropic collisions of the CN solar molecule with electrons. Research in Astronomy and Astrophysics, 2020, 20, 210.	0.7	0
45	Polarization Transfer Rates by Isotropic Collisions between Astrophysical SiO Molecule and Electrons. Universe, 2022, 8, 140.	0.9	0