

Gordon D Holman

List of Publications by Year in descending order

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35
papers

2,761
citations

257101

24
h-index

360668

35
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all docs

35
docs citations

35
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical issues for understanding particle acceleration in impulsive solar flares. <i>Journal of Geophysical Research</i> , 1997, 102, 14631-14659.	3.3	423
2	Evidence for the Formation of a Large-Scale Current Sheet in a Solar Flare. <i>Astrophysical Journal</i> , 2003, 596, L251-L254.	1.6	303
3	Electron Bremsstrahlung Hard X-Ray Spectra, Electron Distributions, and Energetics in the 2002 July 23 Solar Flare. <i>Astrophysical Journal</i> , 2003, 595, L97-L101.	1.6	268
4	Implications of X-ray Observations for Electron Acceleration and Propagation in Solar Flares. <i>Space Science Reviews</i> , 2011, 159, 107-166.	3.7	260
5	Evidence for Magnetic Reconnection in Three Homologous Solar Flares Observed by RHESSI. <i>Astrophysical Journal</i> , 2004, 612, 546-556.	1.6	216
6	Imaging coronal magnetic-field reconnection in a solar flare. <i>Nature Physics</i> , 2013, 9, 489-493.	6.5	197
7	Global Energetics of Solar Flares. V. Energy Closure in Flares and Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2017, 836, 17.	1.6	107
8	The Effects of Low- and High-Energy Cutoffs on Solar Flare Microwave and Hard X-Ray Spectra. <i>Astrophysical Journal</i> , 2003, 586, 606-616.	1.6	87
9	Determination of Differential Emission Measure from Solar Extreme Ultraviolet Images. <i>Astrophysical Journal Letters</i> , 2018, 856, L17.	3.0	82
10	CONJUGATE HARD X-RAY FOOTPOINTS IN THE 2003 OCTOBER 29 X10 FLARE: UNSHEARING MOTIONS, CORRELATIONS, AND ASYMMETRIES. <i>Astrophysical Journal</i> , 2009, 693, 847-867.	1.6	69
11	GLOBAL ENERGETICS OF SOLAR FLARES. III. NONTHERMAL ENERGIES. <i>Astrophysical Journal</i> , 2016, 832, 27.	1.6	60
12	A thermal/nonthermal model for solar hard X-ray bursts. <i>Astrophysical Journal</i> , 1994, 435, 469.	1.6	60
13	Nonthermal X-Ray Spectral Flattening toward Low Energies in Early Impulsive Flares. <i>Astrophysical Journal</i> , 2007, 670, 862-871.	1.6	57
14	DC Electric Field Acceleration of Ions in Solar Flares. <i>Astrophysical Journal</i> , 1995, 452, 451.	1.6	51
15	CME-driven Shock and Type II Solar Radio Burst Band Splitting. <i>Astrophysical Journal</i> , 2018, 868, 79.	1.6	48
16	RAPID CHANGES OF ELECTRON ACCELERATION CHARACTERISTICS AT THE END OF THE IMPULSIVE PHASE OF AN X-CLASS SOLAR FLARE. <i>Astrophysical Journal</i> , 2009, 699, 917-922.	1.6	47
17	A hybrid thermal/nonthermal model for the energetic emissions from solar flares. <i>Astrophysical Journal</i> , 1992, 400, L79.	1.6	47
18	OBSERVATIONS OF THE THERMAL AND DYNAMIC EVOLUTION OF A SOLAR MICROFLARE. <i>Astrophysical Journal</i> , 2009, 692, 492-501.	1.6	40

#	ARTICLE	IF	CITATIONS
19	UNDERSTANDING THE IMPACT OF RETURN-CURRENT LOSSES ON THE X-RAY EMISSION FROM SOLAR FLARES. <i>Astrophysical Journal</i> , 2012, 745, 52.	1.6	35
20	Modeling Images and Spectra of a Solar Flare Observed by RHESSI on 20 February 2002. <i>Solar Physics</i> , 2002, 210, 245-259.	1.0	31
21	Motion of 3-6 keV Nonthermal Sources along the Legs of a Flare Loop. <i>Astrophysical Journal</i> , 2006, 645, L157-L160.	1.6	31
22	Detection and Interpretation of Long-lived X-Ray Quasi-periodic Pulsations in the X-class Solar Flare on 2013 May 14. <i>Astrophysical Journal</i> , 2017, 836, 84.	1.6	31
23	EPISODIC X-RAY EMISSION ACCOMPANYING THE ACTIVATION OF AN ERUPTIVE PROMINENCE: EVIDENCE OF EPISODIC MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2009, 698, 632-640.	1.6	27
24	EARLY CHROMOSPHERIC RESPONSE DURING A SOLAR MICROFLARE OBSERVED WITH SOHO's CDS AND RHESSI. <i>Astrophysical Journal</i> , 2010, 720, 1472-1482.	1.6	24
25	Understanding Breaks in Flare X-Ray Spectra: Evaluation of a Cospacial Collisional Return-current Model. <i>Astrophysical Journal</i> , 2017, 851, 78.	1.6	22
26	A TEST OF THICK-TARGET NONUNIFORM IONIZATION AS AN EXPLANATION FOR BREAKS IN SOLAR FLARE HARD X-RAY SPECTRA. <i>Astrophysical Journal</i> , 2009, 705, 1584-1593.	1.6	21
27	EVIDENCE FOR THE FULL HARD X-RAY SPECTRAL SIGNATURE OF NONUNIFORM IONIZATION IN A SOLAR FLARE. <i>Astrophysical Journal</i> , 2011, 731, 106.	1.6	21
28	OBSERVATIONS OF A TWO-STAGE SOLAR ERUPTIVE EVENT (SEE): EVIDENCE FOR SECONDARY HEATING. <i>Astrophysical Journal Letters</i> , 2012, 746, L5.	3.0	21
29	Solar eruptive events. <i>Physics Today</i> , 2012, 65, 56-61.	0.3	17
30	The Mysterious Origins of Solar Flares. <i>Scientific American</i> , 2006, 294, 38-45.	1.0	14
31	Scientific considerations for future spectroscopic measurements from space of activity on the Sun. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,667.	0.8	14
32	DIRECT SPATIAL ASSOCIATION OF AN X-RAY FLARE WITH THE ERUPTION OF A SOLAR QUIESCENT FILAMENT. <i>Astrophysical Journal</i> , 2015, 804, 108.	1.6	11
33	Role of Suprathermal Runaway Electrons Returning to the Acceleration Region in Solar Flares. <i>Astrophysical Journal</i> , 2021, 917, 74.	1.6	8
34	A question raised from the observation of dynamic cusp formation: When and where does particle acceleration occur?. <i>Advances in Space Research</i> , 2008, 41, 976-983.	1.2	7
35	Global Energetics of Solar Flares and Coronal Mass Ejections. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012002.	0.3	4