

# Pertti Makela

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,457  
citations

218677

26  
h-index

197818

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of Ground Level Enhancement Events and the Associated Solar Eruptions During Solar Cycle 23. <i>Space Science Reviews</i> , 2012, 171, 23-60.	8.1	237
2	CME interactions with coronal holes and their interplanetary consequences. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	150
3	Relation Between Type II Bursts and CMEs Inferred from STEREO Observations. <i>Solar Physics</i> , 2009, 259, 227-254.	2.5	136
4	Alcohol-related mortality as a function of socio-economic status. <i>Addiction</i> , 1999, 94, 867-886.	3.3	124
5	Coronal mass ejections, type II radio bursts, and solar energetic particle events in the SOHO era. <i>Annales Geophysicae</i> , 2008, 26, 3033-3047.	1.6	119
6	Anomalous expansion of coronal mass ejections during solar cycle 24 and its space weather implications. <i>Geophysical Research Letters</i> , 2014, 41, 2673-2680.	4.0	113
7	Properties and geoeffectiveness of magnetic clouds during solar cycles 23 and 24. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9221-9245.	2.4	106
8	INTERPLANETARY SHOCKS LACKING TYPE II RADIO BURSTS. <i>Astrophysical Journal</i> , 2010, 710, 1111-1126.	4.5	94
9	CORONAL MAGNETIC FIELD MEASUREMENT FROM EUV IMAGES MADE BY THE SOLAR DYNAMICS OBSERVATORY. <i>Astrophysical Journal</i> , 2012, 744, 72.	4.5	91
10	Height of shock formation in the solar corona inferred from observations of type II radio bursts and coronal mass ejections. <i>Advances in Space Research</i> , 2013, 51, 1981-1989.	2.6	81
11	Self-reported Health, Illness, and Self-care Among Finnish Physicians: A National Survey. <i>Archives of Family Medicine</i> , 2000, 9, 1079-1085.	1.2	78
12	LARGE SOLAR ENERGETIC PARTICLE EVENTS ASSOCIATED WITH FILAMENT ERUPTIONS OUTSIDE ACTIVE REGIONS. <i>Astrophysical Journal</i> , 2015, 806, 8.	4.5	77
13	THE PECULIAR BEHAVIOR OF HALO CORONAL MASS EJECTIONS IN SOLAR CYCLE 24. <i>Astrophysical Journal Letters</i> , 2015, 804, L23.	8.3	70
14	Extreme Kinematics of the 2017 September 10 Solar Eruption and the Spectral Characteristics of the Associated Energetic Particles. <i>Astrophysical Journal Letters</i> , 2018, 863, L39.	8.3	66
15	GROUND LEVEL ENHANCEMENT IN THE 2014 JANUARY 6 SOLAR ENERGETIC PARTICLE EVENT. <i>Astrophysical Journal Letters</i> , 2014, 790, L13.	8.3	58
16	THE 2012 JULY 23 BACKSIDE ERUPTION: AN EXTREME ENERGETIC PARTICLE EVENT?. <i>Astrophysical Journal</i> , 2016, 833, 216.	4.5	58
17	BEHAVIOR OF SOLAR CYCLES 23 AND 24 REVEALED BY MICROWAVE OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 750, L42.	8.3	57
18	Testing the empirical shock arrival model using quadrature observations. <i>Space Weather</i> , 2013, 11, 661-669.	3.7	48

#	ARTICLE	IF	CITATIONS
19	Coronal Hole Influence on the Observed Structure of Interplanetary CMEs. <i>Solar Physics</i> , 2013, 284, 59-75.	2.5	47
20	The Solar Energetic Particle Event of 2010 August 14: Connectivity with the Solar Source Inferred from Multiple Spacecraft Observations and Modeling. <i>Astrophysical Journal</i> , 2017, 838, 51.	4.5	45
21	The Solar Connection of Enhanced Heavy Ion Charge States in the Interplanetary Medium: Implications for the Flux-Rope Structure of CMEs. <i>Solar Physics</i> , 2013, 284, 17-46.	2.5	42
22	Energetic ( $\sim 1$ to 50 MeV) protons associated with Earth-directed coronal mass ejections. <i>Geophysical Research Letters</i> , 1998, 25, 2525-2528.	4.0	39
23	The relation between coronal holes and coronal mass ejections during the rise, maximum, and declining phases of Solar Cycle 23. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	34
24	ESTIMATING THE HEIGHT OF CMEs ASSOCIATED WITH A MAJOR SEP EVENT AT THE ONSET OF THE METRIC TYPE II RADIO BURST DURING SOLAR CYCLES 23 AND 24. <i>Astrophysical Journal</i> , 2015, 806, 13.	4.5	30
25	Interplanetary Type II Radio Bursts from Wind/WAVES and Sustained Gamma-Ray Emission from Fermi/LAT: Evidence for Shock Source. <i>Astrophysical Journal Letters</i> , 2018, 868, L19.	8.3	30
26	Energetic storm particle events in coronal mass ejection-driven shocks. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	29
27	A multiwavelength study of eruptive events on January 23, 2012 associated with a major solar energetic particle event. <i>Advances in Space Research</i> , 2013, 52, 1-14.	2.6	25
28	High-energy solar particle events in cycle 24. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012012.	0.4	24
29	On the reduced geoeffectiveness of solar cycle 24: A moderate storm perspective. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8188-8202.	2.4	24
30	Two Exceptions in the Large SEP Events of Solar Cycles 23 and 24. <i>Solar Physics</i> , 2016, 291, 513-530.	2.5	24
31	Post-Eruption Arcades and Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2013, 284, 5-15.	2.5	23
32	Radio-quiet CMEs from the disk center lacking shocks at 1 AU. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
33	Solar energetic particle events during the rise phases of solar cycles 23 and 24. <i>Advances in Space Research</i> , 2013, 52, 2102-2111.	2.6	21
34	Statistical Study on Multispacecraft Widespread Solar Energetic Particle Events During Solar Cycle 24. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6384-6402.	2.4	20
35	A Hierarchical Relationship between the Fluence Spectra and CME Kinematics in Large Solar Energetic Particle Events: A Radio Perspective. <i>Journal of Physics: Conference Series</i> , 2017, 900, 012009.	0.4	19
36	LONG-DURATION LOW-FREQUENCY TYPE III BURSTS AND SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal Letters</i> , 2010, 721, L62-L66.	8.3	17

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37	The radial speedâ€‘expansion speed relation for Earthâ€‘directed CMEs. <i>Space Weather</i> , 2016, 14, 368-378.	3.7	17
38	SOURCE REGIONS OF THE TYPE II RADIO BURST OBSERVED DURING A CMEâ€‘CME INTERACTION ON 2013 MAY 22. <i>Astrophysical Journal</i> , 2016, 827, 141.	4.5	15
39	Energy dependence of SEP electron and proton onset times. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6168-6183.	2.4	14
40	A Sun-to-Earth Analysis of Magnetic Helicity of the 2013 March 17â€‘18 Interplanetary Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2017, 851, 123.	4.5	13
41	On the Shock Source of Sustained Gamma-Ray Emission from the Sun. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012004.	0.4	13
42	Comparison of the coronal mass ejection shock acceleration of three widespread SEP events during solar cycle 24. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7021-7041.	2.4	12
43	Source of Energetic Protons in the 2014 September 1 Sustained Gamma-ray Emission Event. <i>Solar Physics</i> , 2020, 295, 18.	2.5	12
44	Direction-finding Analysis of the 2012 July 6 Type II Solar Radio Burst at Low Frequencies. <i>Astrophysical Journal</i> , 2018, 867, 40.	4.5	10
45	INTERPLANETARY SHOCKS LACKING TYPE II RADIO BURSTS. <i>Astrophysical Journal</i> , 2010, 710, 1111-1126.	4.5	9
46	Interacting and Interplanetary Protons Accelerated on Diverging Magnetic Field Lines: Stochastic Acceleration. <i>Astrophysical Journal</i> , 1999, 521, 898-905.	4.5	8
47	SOHO/Energetic and Relativistic Nucleon and Electron Experiment Measurements of Energetic H, He, O, and Fe Fluxes during the 1997 November 6 Solar Event. <i>Astrophysical Journal</i> , 2000, 544, 1169-1180.	4.5	8
48	Title is missing!. <i>Solar Physics</i> , 1997, 170, 193-204.	2.5	6
49	The Common Origin of High-energy Protons in Solar Energetic Particle Events and Sustained Gamma-Ray Emission from the Sun. <i>Astrophysical Journal</i> , 2021, 915, 82.	4.5	6
50	The cystic duct stump and the postcholecystectomy syndrome. An analysis of 54 patients subjected to ERCP. <i>Annales Chirurgiae Et Gynaecologiae</i> , 1981, 70, 297-303.	0.2	6
51	Homologous flareâ€‘CME events and their metric type II radio burst association. <i>Advances in Space Research</i> , 2014, 54, 1941-1948.	2.6	5
52	The Diagnosis of Pancreatic and Biliary Malignancy by Endoscopy and Retrograde Cholangiopancreatography. <i>Scandinavian Journal of Gastroenterology</i> , 1980, 15, 205-211.	1.5	4
53	Energetic Particle Fluxes during the Bastille Day Solar Eruption. <i>Solar Physics</i> , 2001, 204, 213-225.	2.5	4
54	Pancreatic mobility: an important factor in pancreatic computed tomography. <i>Journal of Computer Assisted Tomography</i> , 1982, 6, 854-6.	0.9	4

#	ARTICLE	IF	CITATIONS
55	Solar activity and space weather. Journal of Physics: Conference Series, 2022, 2214, 012021.	0.4	4
56	Erne observations of energetic particle fluxes. Advances in Space Research, 1997, 20, 91-98.	2.6	3
57	Great Storm Particle Event on 2000 August 11 Observed bySOHOERNE. Astrophysical Journal, 2006, 638, 530-538.	4.5	3
58	Observations of galactic cosmic ray modulation during Earth-directed coronal mass ejections. Geophysical Research Letters, 1998, 25, 2951-2954.	4.0	2
59	SEPs and CMEs during cycle 23. Proceedings of the International Astronomical Union, 2008, 4, 475-477.	0.0	1
60	PARTICLE ACCELERATION AND TRANSPORT AT THE SUN INFERRED FROM FERMI/LAT OBSERVATIONS OF > 100 MEV GAMMA-RAYS. , 2022, , .		1