

# Salvatore Mancuso

## List of Publications by Year in descending order

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38  
papers

838  
citations

471509

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501196

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g-index

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38  
docs citations

38  
times ranked

847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronal transients and metric type II radio bursts. <i>Astronomy and Astrophysics</i> , 2004, 413, 363-371.	5.1	83
2	UVCS/SOHO observations of a CME-driven shock: Consequences on ion heating mechanisms behind a coronal shock. <i>Astronomy and Astrophysics</i> , 2002, 383, 267-274.	5.1	82
3	FIRST COMPLETE DETERMINATION OF PLASMA PHYSICAL PARAMETERS ACROSS A CORONAL MASS EJECTION-DRIVEN SHOCK. <i>Astrophysical Journal</i> , 2010, 720, 130-143.	4.5	81
4	Faraday Rotation and Models for the Plasma Structure of the Solar Corona. <i>Astrophysical Journal</i> , 2000, 539, 480-491.	4.5	60
5	FRIPON: a worldwide network to track incoming meteoroids. <i>Astronomy and Astrophysics</i> , 2020, 644, A53.	5.1	58
6	Coronal Rotation at Solar Minimum from UV Observations. <i>Astrophysical Journal</i> , 2008, 688, 656-668.	4.5	36
7	IDENTIFICATION OF SUPER- AND SUBCRITICAL REGIONS IN SHOCKS DRIVEN BY CORONAL MASS EJECTIONS. <i>Astrophysical Journal Letters</i> , 2011, 739, L64.	8.3	35
8	Three-dimensional reconstruction of CME-driven shock-streamer interaction from radio and EUV observations: a different take on the diagnostics of coronal magnetic fields. <i>Astronomy and Astrophysics</i> , 2019, 624, L2.	5.1	33
9	Ion Cyclotron Waves in Field-aligned Solar Wind Turbulence. <i>Astrophysical Journal Letters</i> , 2019, 885, L5.	8.3	26
10	UV and Radio Observations of the Coronal Shock Associated with the 2002 July 23 Coronal Mass Ejection Event. <i>Astrophysical Journal</i> , 2008, 677, 683-691.	4.5	25
11	Cavezzo, the first Italian meteorite recovered by the PRISMA fireball network. Orbit, trajectory, and strewn-field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1215-1227.	4.4	24
12	PHYSICAL CONDITIONS OF CORONAL PLASMA AT THE TRANSIT OF A SHOCK DRIVEN BY A CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2015, 812, 119.	4.5	23
13	Radial profile of the inner heliospheric magnetic field as deduced from Faraday rotation observations. <i>Astronomy and Astrophysics</i> , 2013, 553, A100.	5.1	22
14	Multispectral analysis of Northern Hemisphere temperature records over the last five millennia. <i>Climate Dynamics</i> , 2015, 45, 83-104.	3.8	22
15	Comprehensive Analysis of the Formation of a Shock Wave Associated with a Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2019, 871, 212.	4.5	22
16	DIFFERENTIAL ROTATION OF THE ULTRAVIOLET CORONA AT SOLAR MAXIMUM. <i>Astrophysical Journal</i> , 2011, 729, 79.	4.5	20
17	Far-ultraviolet Observations of Comet 2P/Encke at Perihelion. <i>Astrophysical Journal</i> , 2002, 564, 1054-1060.	4.5	18
18	Bifurcation of the metric type II radio emission associated with the giant solar flare of April 2 2001. <i>Astronomy and Astrophysics</i> , 2004, 415, L17-L20.	5.1	17

#	ARTICLE	IF	CITATIONS
19	Astrometric calibration for all-sky cameras revisited. <i>Astronomy and Astrophysics</i> , 2019, 626, A105.	5.1	13
20	Coronal magnetic field strength from Type II radio emission: complementarity with Faraday rotation measurements. <i>Astronomy and Astrophysics</i> , 2013, 560, L1.	5.1	13
21	Possible Evidence for Shear-driven Kelvinâ€“Helmholtz Instability along the Boundary of Fast and Slow Solar Wind in the Corona. <i>Astrophysical Journal</i> , 2022, 929, 98.	4.5	13
22	Study of the Influence of the Solar Wind Energy on the Geomagnetic Activity for Space Weather Science. <i>Astrophysical Journal</i> , 2020, 896, 149.	4.5	11
23	Estimate of Plasma Temperatures Across a CME-Driven Shock from a Comparison Between EUV and Radio Data. <i>Solar Physics</i> , 2020, 295, 1.	2.5	10
24	Assessing the tilt of the solar magnetic field axis through Faraday rotation observations. <i>Astronomy and Astrophysics</i> , 2007, 466, L5-L8.	5.1	10
25	A high-resolution $\delta^{18}\text{O}$ record and Mediterranean climate variability. <i>Climate of the Past</i> , 2015, 11, 509-522.	3.4	10
26	Acceleration of Solar Energetic Particles through CME-driven Shock and Streamer Interaction. <i>Astrophysical Journal</i> , 2022, 926, 227.	4.5	9
27	Coronal equatorial rotation during solar cycle 23: radial variation and connections with helioseismology. <i>Astronomy and Astrophysics</i> , 2012, 539, A26.	5.1	8
28	Possible evidence of induced repetitive magnetic reconnection in a superflare from a young solar-type star. <i>Astronomy and Astrophysics</i> , 2020, 636, A96.	5.1	8
29	Doppler-shift oscillations in the $\text{H}\alpha$ coronal emission line: spectroscopic signature of propagating kink waves?. <i>Astronomy and Astrophysics</i> , 2015, 573, A33.	5.1	7
30	Differential rotation of the solar corona: A new data-adaptive multiwavelength approach. <i>Astronomy and Astrophysics</i> , 2020, 644, A18.	5.1	7
31	Spatio-Temporal Evolution and Northâ€“South Asymmetry of Quasi-Biennial Oscillations in the Coronal Fe xiv Emission. <i>Solar Physics</i> , 2018, 293, 1.	2.5	6
32	Radio evidence for a shock wave reflected by a coronal hole. <i>Astronomy and Astrophysics</i> , 2021, 651, L14.	5.1	6
33	Water production rate of comet C/1997 H2 (SOHO) near perihelion. <i>Astronomy and Astrophysics</i> , 2015, 578, L7.	5.1	5
34	O VI 1032 Å... intensity and Doppler shift oscillations above a coronal hole: Magnetosonic waves or quasi-periodic upflows?. <i>Astronomy and Astrophysics</i> , 2016, 592, L8.	5.1	5
35	Influence of projection effects on the observed differential rotation rate in the UV corona. <i>Journal of Advanced Research</i> , 2013, 4, 283-286.	9.5	3
36	Study of the early phase of a Coronal Mass Ejection driven shock in EUV images. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	3

#	ARTICLE	IF	CITATIONS
37	A foraminiferal $\delta^{18}\text{O}$ record covering the last 2,200 years. <i>Scientific Data</i> , 2016, 3, 160042.	5.3	2
38	Ultraviolet Observations of Comet 96/P Machholz at Perihelion. <i>Astrophysical Journal</i> , 2022, 926, 93.	4.5	2