

# Neel P Savani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3313396/publications.pdf>

Version: 2024-02-01

42  
papers

2,182  
citations

201674

27  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1417  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE LONGITUDINAL PROPERTIES OF A SOLAR ENERGETIC PARTICLE EVENT INVESTIGATED USING MODERN SOLAR IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 44.	4.5	156
2	Geomagnetically induced currents: Science, engineering, and applications readiness. <i>Space Weather</i> , 2017, 15, 828-856.	3.7	149
3	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
4	A SELF-SIMILAR EXPANSION MODEL FOR USE IN SOLAR WIND TRANSIENT PROPAGATION STUDIES. <i>Astrophysical Journal</i> , 2012, 750, 23.	4.5	120
5	Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. <i>Solar Physics</i> , 2018, 293, 1.	2.5	115
6	Statistical study of magnetic cloud erosion by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 43-60.	2.4	106
7	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. <i>Solar Physics</i> , 2009, 256, 307-326.	2.5	93
8	INTERPRETING THE PROPERTIES OF SOLAR ENERGETIC PARTICLE EVENTS BY USING COMBINED IMAGING AND MODELING OF INTERPLANETARY SHOCKS. <i>Astrophysical Journal</i> , 2011, 735, 7.	4.5	92
9	OBSERVATIONAL EVIDENCE OF A CORONAL MASS EJECTION DISTORTION DIRECTLY ATTRIBUTABLE TO A STRUCTURED SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2010, 714, L128-L132.	8.3	90
10	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	80
11	Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2013, 284, 129-149.	2.5	69
12	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. <i>Astrophysical Journal</i> , 2016, 823, 27.	4.5	67
13	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	65
14	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture. <i>Space Weather</i> , 2015, 13, 374-385.	3.7	65
15	Intermittent release of transients in the slow solar wind: 2. In situ evidence. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
16	INNER HELIOSPHERIC EVOLUTION OF A "STEALTH" CME DERIVED FROM MULTI-VIEW IMAGING AND MULTIPOINT IN SITU OBSERVATIONS. I. PROPAGATION TO 1 AU. <i>Astrophysical Journal</i> , 2013, 779, 55.	4.5	48
17	Predicting the geoeffective properties of coronal mass ejections: current status, open issues and path forward. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180096.	3.4	45
18	The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO. <i>Annales Geophysicae</i> , 2009, 27, 4349-4358.	1.6	44

#	ARTICLE	IF	CITATIONS
19	Assessing the Quality of Models of the Ambient Solar Wind. <i>Space Weather</i> , 2018, 16, 1644-1667.	3.7	44
20	PROPAGATION OF THE 2014 JANUARY 7 CME AND RESULTING GEOMAGNETIC NON-EVENT. <i>Astrophysical Journal</i> , 2015, 812, 145.	4.5	43
21	Planar magnetic structures in coronal mass ejection-driven sheath regions. <i>Annales Geophysicae</i> , 2016, 34, 313-322.	1.6	43
22	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. I. GEOMETRICAL ANALYSIS. <i>Astrophysical Journal</i> , 2011, 731, 109.	4.5	41
23	WHITE LIGHT AND IN SITU COMPARISON OF A FORMING MERGED INTERACTION REGION. <i>Astrophysical Journal</i> , 2010, 719, 1385-1392.	4.5	40
24	A small mission concept to the Sunâ€™Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 171-185.	1.6	39
25	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. II. IN SITU OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 732, 117.	4.5	34
26	Implications of Non-cylindrical Flux Ropes for Magnetic Cloud Reconstruction Techniques and the Interpretation of Double Flux Rope Events. <i>Solar Physics</i> , 2012, 278, 435-446.	2.5	29
27	Importance of CME Radial Expansion on the Ability of Slow CMEs to Drive Shocks. <i>Astrophysical Journal</i> , 2017, 848, 75.	4.5	29
28	Ensemble downscaling in coupled solar windâ€™magnetosphere modeling for space weather forecasting. <i>Space Weather</i> , 2014, 12, 395-405.	3.7	27
29	Validation of a priori CME arrival predictions made using realâ€™time heliospheric imager observations. <i>Space Weather</i> , 2015, 13, 35-48.	3.7	27
30	Recommendations for Nextâ€™Generation Ground Magnetic Perturbation Validation. <i>Space Weather</i> , 2018, 16, 1912-1920.	3.7	27
31	The Solar Stormwatch CME catalogue: Results from the first space weather citizen science project. <i>Space Weather</i> , 2014, 12, 657-674.	3.7	25
32	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response. <i>Space Weather</i> , 2017, 15, 441-461.	3.7	24
33	Observational Tracking of the 2D Structure of Coronal Mass Ejections Between the Sun and 1 AU. <i>Solar Physics</i> , 2012, 279, 517-535.	2.5	23
34	Fitting and Reconstruction of Thirteen Simple Coronal Mass Ejections. <i>Solar Physics</i> , 2018, 293, 1.	2.5	18
35	A STUDY OF THE HELIOCENTRIC DEPENDENCE OF SHOCK STANDOFF DISTANCE AND GEOMETRY USING 2.5D MAGNETOHYDRODYNAMIC SIMULATIONS OF CORONAL MASS EJECTION DRIVEN SHOCKS. <i>Astrophysical Journal</i> , 2012, 759, 103.	4.5	17
36	Tracking the momentum flux of a CME and quantifying its influence on geomagnetically induced currents at Earth. <i>Space Weather</i> , 2013, 11, 245-261.	3.7	15

#	ARTICLE	IF	CITATIONS
37	Combined geometrical modelling and white-light mass determination of coronal mass ejections. <i>Astronomy and Astrophysics</i> , 2019, 623, A139.	5.1	14
38	Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009. <i>Solar Physics</i> , 2012, 281, 369.	2.5	8
39	A PLASMA $\hat{I}^2$ TRANSITION WITHIN A PROPAGATING FLUX ROPE. <i>Astrophysical Journal</i> , 2013, 779, 142.	4.5	8
40	Skills for forecasting space weather. <i>Weather</i> , 2018, 73, 362-366.	0.7	7
41	Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. , 2018, , 27-57.		1
42	Fitting and Reconstruction of Thirteen Simple Coronal Mass Ejections. , 2018, , 565-575.		0