

Neel P Savani

List of Publications by Year in descending order

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42
papers

2,182
citations

201674

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all docs

42
docs citations

42
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the geoeffective properties of coronal mass ejections: current status, open issues and path forward. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180096.	3.4	45
2	Combined geometrical modelling and white-light mass determination of coronal mass ejections. Astronomy and Astrophysics, 2019, 623, A139.	5.1	14
3	Fitting and Reconstruction of Thirteen Simple Coronal Mass Ejections. Solar Physics, 2018, 293, 1.	2.5	18
4	Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. Solar Physics, 2018, 293, 1.	2.5	115
5	Skills for forecasting space weather. Weather, 2018, 73, 362-366.	0.7	7
6	Assessing the Quality of Models of the Ambient Solar Wind. Space Weather, 2018, 16, 1644-1667.	3.7	44
7	Recommendations for Next-Generation Ground Magnetic Perturbation Validation. Space Weather, 2018, 16, 1912-1920.	3.7	27
8	Fitting and Reconstruction of Thirteen Simple Coronal Mass Ejections. , 2018, , 565-575.		0
9	Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. , 2018, , 27-57.		1
10	Geomagnetically induced currents: Science, engineering, and applications readiness. Space Weather, 2017, 15, 828-856.	3.7	149
11	Importance of CME Radial Expansion on the Ability of Slow CMEs to Drive Shocks. Astrophysical Journal, 2017, 848, 75.	4.5	29
12	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response. Space Weather, 2017, 15, 441-461.	3.7	24
13	Planar magnetic structures in coronal mass ejection-driven sheath regions. Annales Geophysicae, 2016, 34, 313-322.	1.6	43
14	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. Astrophysical Journal, 2016, 823, 27.	4.5	67
15	A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 171-185.	1.6	39
16	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture. Space Weather, 2015, 13, 374-385.	3.7	65
17	Statistical study of magnetic cloud erosion by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 43-60.	2.4	106
18	PROPAGATION OF THE 2014 JANUARY 7 CME AND RESULTING GEOMAGNETIC NON-EVENT. Astrophysical Journal, 2015, 812, 145.	4.5	43

#	ARTICLE	IF	CITATIONS
19	Validation of a priori CME arrival predictions made using real-time heliospheric imager observations. <i>Space Weather</i> , 2015, 13, 35-48.	3.7	27
20	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
21	Ensemble downscaling in coupled solar wind-magnetosphere modeling for space weather forecasting. <i>Space Weather</i> , 2014, 12, 395-405.	3.7	27
22	Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2013, 284, 129-149.	2.5	69
23	A PLASMA \hat{I}^2 TRANSITION WITHIN A PROPAGATING FLUX ROPE. <i>Astrophysical Journal</i> , 2013, 779, 142.	4.5	8
24	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
25	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
26	THE LONGITUDINAL PROPERTIES OF A SOLAR ENERGETIC PARTICLE EVENT INVESTIGATED USING MODERN SOLAR IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 44.	4.5	156
27	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
28	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
29	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
30	A SELF-SIMILAR EXPANSION MODEL FOR USE IN SOLAR WIND TRANSIENT PROPAGATION STUDIES. <i>Astrophysical Journal</i> , 2012, 750, 23.	4.5	120
31	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
32	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
33	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. II. IN SITU OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 732, 117.	4.5	34
34	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. I. GEOMETRICAL ANALYSIS. <i>Astrophysical Journal</i> , 2011, 731, 109.	4.5	41
35	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
36	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	80

#	ARTICLE	IF	CITATIONS
37	Intermittent release of transients in the slow solar wind: 2. In situ evidence. Journal of Geophysical Research, 2010, 115, .	3.3	52
38	OBSERVATIONAL EVIDENCE OF A CORONAL MASS EJECTION DISTORTION DIRECTLY ATTRIBUTABLE TO A STRUCTURED SOLAR WIND. Astrophysical Journal Letters, 2010, 714, L128-L132.	8.3	90
39	WHITE LIGHT AND IN SITU COMPARISON OF A FORMING MERGED INTERACTION REGION. Astrophysical Journal, 2010, 719, 1385-1392.	4.5	40
40	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. Solar Physics, 2009, 256, 307-326.	2.5	93
41	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	65
42	The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO. Annales Geophysicae, 2009, 27, 4349-4358.	1.6	44