Volker Bothmer

List of Publications by Year
in descending order

41 papers	4,030 citations	257101 24 h-index	329751 37 g-index
42 all docs	42 docs citations	42 times ranked	2199 citing authors

#	Article	IF	Citations
1	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. Solar Physics, 2022, 297, 1.	1.0	3
2	CMEs in the Heliosphere: III. A Statistical Analysis of the Kinematic Properties Derived from Stereoscopic Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2008 to 2014 by STEREO/HI-1. Solar Physics, 2020, 295, 1.	1.0	13
3	Simulating White-Light Images of Coronal Structures for Parker Solar Probe/WISPR: Study of the Total Brightness Profiles. Solar Physics, 2020, 295, 1.	1.0	8
4	CMEs in the Heliosphere: II. A Statistical Analysis of the Kinematic Properties Derived from Single-Spacecraft Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2019, 294, 1.	1.0	25
5	Combined geometrical modelling and white-light mass determination of coronal mass ejections. Astronomy and Astrophysics, 2019, 623, A139.	2.1	14
6	Connecting Coronal Mass Ejections to Their Solar Active Region Sources: Combining Results from the HELCATS and FLARECAST Projects. Solar Physics, 2018, 293, 1.	1.0	24
7	CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2018, 293, 1.	1.0	36
8	Coronal Magnetic Structure of Earthbound CMEs and In Situ Comparison. Space Weather, 2018, 16, 442-460.	1.3	51
9	Solar-wind predictions for the Parker Solar Probe orbit. Astronomy and Astrophysics, 2018, 611, A36.	2.1	33
10	Comparison of CME and ICME Structures Derived from Remote-Sensing and In Situ Observations. Solar Physics, 2017, 292, 1.	1.0	9
11	CME Dynamics Using STEREO and LASCO Observations: The Relative Importance of Lorentz Forces and Solar Wind Drag. Solar Physics, 2017, 292, 1.	1.0	40
12	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. Space Weather, 2017, 15, 955-970.	1.3	65
13	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response. Space Weather, 2017, 15, 441-461.	1.3	24
14	CME Dynamics Using STEREO and LASCO Observations: The Relative Importance of Lorentz Forces and Solar Wind Drag. , 2017, , 473-489.		0
15	Comparison of CME and ICME Structures Derived from Remote-Sensing and In Situ Observations. , 2017, , 457-472.		0
16	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. Solar Physics, 2016, 291, 1853-1875.	1.0	25
17	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. Astrophysical Journal Letters, 2016, 823, L5.	3.0	20
18	A small mission concept to the Sunâ€"Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 171-185.	0.6	39

#	Article	IF	Citations
19	The Wide-Field Imager for Solar Probe Plus (WISPR). Space Science Reviews, 2016, 204, 83-130.	3.7	140
20	An Application of the Stereoscopic Self-similar-Expansion Model to the Determination of CME-Driven Shock Parameters. Solar Physics, 2015, 290, 3005-3022.	1.0	17
21	North-south asymmetry in the magnetic deflection of polar coronal hole jets. Astronomy and Astrophysics, 2015, 583, A127.	2.1	18
22	The solar and heliospheric imager (SoloHI) instrument for the solar orbiter mission. Proceedings of SPIE, 2013, , .	0.8	14
23	Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations. Solar Physics, 2012, 281, 167.	1.0	30
24	Observational Tracking of the 2D Structure of Coronal Mass Ejections Between the Sun and 1 AU. Solar Physics, 2012, 279, 517-535.	1.0	23
25	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. II. IN SITU OBSERVATIONS. Astrophysical Journal, 2011, 732, 117.	1.6	34
26	Determination of temperature maps of EUV coronal hole jets. Advances in Space Research, 2011, 48, 1490-1498.	1.2	13
27	Observational features of equatorial coronal hole jets. Annales Geophysicae, 2010, 28, 687-696.	0.6	30
28	Characteristics of EUV Coronal Jets Observed withÂSTEREO/SECCHI. Solar Physics, 2009, 259, 87-108.	1.0	145
29	Solar Weather Event Modelling andÂPrediction. Space Science Reviews, 2009, 147, 121-185.	3.7	31
30	Theoretical modeling for the stereo mission. Space Science Reviews, 2008, 136, 565-604.	3.7	40
31	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). Space Science Reviews, 2008, 136, 67.	3.7	1,422
32	The Sun as the prime source of space weather. , 2007, , 31-102.		32
33	ICMEs in the Inner Heliosphere: Origin, Evolution and Propagation Effects. Space Science Reviews, 2006, 123, 383-416.	3.7	91
34	Properties and geoeffectiveness of magnetic clouds in the rising, maximum and early declining phases of solar cycle 23. Annales Geophysicae, 2005, 23, 625-641.	0.6	163
35	The basic characteristics of EUV post-eruptive arcades and their role as tracers of coronal mass ejection source regions. Astronomy and Astrophysics, 2004, 422, 337-349.	2.1	102
36	On the three-dimensional configuration of coronal mass ejections. Astronomy and Astrophysics, 2004, 422, 307-322.	2.1	253

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37	The Solar Origin of Corotating Interaction Regions and Their Formation in the Inner Heliosphere. Space Science Reviews, 1999, 89, 141-178.	3.7	78
38	The structure and origin of magnetic clouds in the solar wind. Annales Geophysicae, 1998, 16, 1-24.	0.6	559
39	Signatures of fast CMEs in interplanetary space. Advances in Space Research, 1996, 17, 319-322.	1.2	63
40	The Interplanetary and Solar Causes of Major Geomagnetic Storms.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 1127-1132.	0.8	59
41	The Field Configuration of Magnetic Clouds and the Solar Cycle. Geophysical Monograph Series, 0, , 139-146.	0.1	97