John M Retterer

List of Publications by Year
in descending order

57 papers	1,987 citations	257357 24 h-index	243529 44 g-index
59 all docs	59 docs citations	59 times ranked	1055 citing authors

#	Article	IF	Citations
1	On the Generation of an Unseasonal EPB Over South East Asia. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028724.	0.8	2
2	On the Assessment of Daily Equatorial Plasma Bubble Occurrence Modeling and Forecasting. Space Weather, 2020, 18, e2020SW002555.	1.3	15
3	The International Community Coordinated Modeling Center Space Weather Modeling Capabilities Assessment: Overview of Ionosphere/Thermosphere Activities. Space Weather, 2019, 17, 527-538.	1.3	14
4	Unseasonal development of post-sunset F-region irregularities over Southeast Asia on 28 July 2014: 1. Forcing from above?. Progress in Earth and Planetary Science, 2018, 5, .	1.1	13
5	The electrodynamic effects of MOSCâ€like plasma clouds. Radio Science, 2017, 52, 604-615.	0.8	13
6	Artificial ionospheric modification: The Metal Oxide Space Cloud experiment. Radio Science, 2017, 52, 539-558.	0.8	23
7	Global equatorial plasma bubble occurrence during the 2015 St. Patrick's Day storm. Journal of Geophysical Research: Space Physics, 2016, 121, 894-905.	0.8	78
8	Preface C/NOFS results and equatorial ionospheric dynamics. Annales Geophysicae, 2014, 32, 1303-1303.	0.6	0
9	Using solar wind data to predict daily GPS scintillation occurrence in the African and Asian lowâ€latitude regions. Geophysical Research Letters, 2014, 41, 8176-8184.	1.5	24
10	An analysis of the quiet time dayâ€toâ€day variability in the formation of postsunset equatorial plasma bubbles in the Southeast Asian region. Journal of Geophysical Research: Space Physics, 2014, 119, 3206-3223.	0.8	53
11	Geomagnetic control of equatorial plasma bubble activity modeled by the TIEGCM with <i>Kp</i>. Geophysical Research Letters, 2014, 41, 5331-5339.	1.5	55
12	Faith in a seed: on the origins of equatorial plasma bubbles. Annales Geophysicae, 2014, 32, 485-498.	0.6	35
13	Postmidnight bubbles and scintillations in the quietâ€time June solstice. Geophysical Research Letters, 2013, 40, 5592-5597.	1.5	85
14	Observations and simulations of formation of broad plasma depletions through merging process. Journal of Geophysical Research, 2012, 117, .	3.3	21
15	On the distribution of ion density depletion along magnetic field lines as deduced using C/NOFS. Radio Science, 2012, 47, .	0.8	6
16	Climatology of plasma density depletions observed by DMSP in the dawn sector. Journal of Geophysical Research, 2011, 116, .	3.3	47
17	CONVECTIVE IONOSPHERIC STORMS: A REVIEW. Reviews of Geophysics, 2011, 49, .	9.0	85
18	Longitudinal and seasonal dependence of nighttime equatorial plasma density irregularities during solar minimum detected on the C/NOFS satellite. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	77

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19	Assimilative modeling of observed postmidnight equatorial plasma depletions in June 2008. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	5
20	Equatorial scintillation characteristics during solar minimum: Observations from the SCINDA network. , 2011, , .		0
21	Towards Next Level Satellite Drag Modeling. , 2010, , .		17
22	Longitudinal structure in the CHAMP electron densities and their implications for global ionospheric modeling. Radio Science, 2010, 45, n/a-n/a.	0.8	20
23	Zonal drift of plasma particles inside equatorial plasma bubbles and its relation to the zonal drift of the bubble structure. Journal of Geophysical Research, 2010, 115, .	3.3	48
24	Forecasting lowâ€latitude radio scintillation with 3â€D ionospheric plume models: 1. Plume model. Journal of Geophysical Research, 2010, 115, .	3.3	74
25	Forecasting lowâ€latitude radio scintillation with 3â€D ionospheric plume models: 2. Scintillation calculation. Journal of Geophysical Research, 2010, 115, .	3.3	37
26	C/NOFS observations of deep plasma depletions at dawn. Geophysical Research Letters, 2009, 36, .	1.5	72
27	Assimilative modeling of equatorial plasma depletions observed by C/NOFS. Geophysical Research Letters, 2009, 36, .	1.5	26
28	C/NOFS and radar observations during a convective ionospheric storm event over South America. Geophysical Research Letters, 2009, 36, .	1.5	18
29	Modeling the climatology of equatorial plasma bubbles observed by DMSP. Radio Science, 2009, 44, .	0.8	25
30	F2 Peak parameters, drifts and spread F derived from digisonde ionograms for the COPEX campaign in Brazil. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1144-1158.	0.6	19
31	First successful prediction of a convective equatorial ionospheric storm using solar wind parameters. Space Weather, 2008, 6, .	1.3	35
32	New Satellite Will Forecast Ionospheric Disturbances. Space Weather, 2006, 4, n/a-n/a.	1.3	6
33	Ionospheric nowcasting via assimilation of GPS measurements of ionospheric electron content in a global physics-based time-dependent model. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 3543-3559.	1.0	18
34	Assimilative modeling of the equatorial ionosphere for scintillation forecasting: Modeling with vertical drifts. Journal of Geophysical Research, 2005, 110, .	3.3	35
35	Physics-based forecasts of equatorial radio scintillation for the Communication and Navigation Outage Forecasting System (C/NOFS). Space Weather, 2005, 3, n/a-n/a.	1.3	58
36	Theoretical relationship between maximum value of the post-sunset drift velocity and peak-to-valley ratio of anomaly TEC. Geophysical Research Letters, 2004, 31, .	1.5	17

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37	C/NOFS: a demonstration system to forecast equatorial ionospheric scintillation that adversely affects navigation, communication, and surveillance systems. , 2004, 5548, 358.		0
38	A model for particle acceleration in lower hybrid collapse. Physics of Plasmas, 1997, 4, 2357-2364.	0.7	6
39	Anisotropic kinetic effects of photoelectrons on polar wind transport. Geophysical Monograph Series, 1995, , 133-139.	0.1	7
40	Transversely accelerated ions in the topside ionosphere. Geophysical Monograph Series, 1995, , 127-137.	0.1	1
41	High frequency electrostatic plasma instabilities and turbulence layers in the lower ionosphere. Geophysical Monograph Series, 1995, , 77-94.	0.1	6
42	Transversely accelerated ions in the topside ionosphere. Journal of Geophysical Research, 1994, 99, 13189.	3.3	35
43	Critical points in the 16â€moment approximation. Journal of Geophysical Research, 1991, 96, 1827-1830.	3.3	10
44	Ion cyclotron resonance heated conics: Theory and observations. Journal of Geophysical Research, 1990, 95, 3959-3985.	3.3	115
45	Monteâ€Carlo Modeling of polar wind photoelectron distributions with anomalous heat flux. Geophysical Research Letters, 1989, 16, 1023-1026.	1.5	26
46	Electromagnetic Tornadoes in Earthâ€™s Ionosphere and Magnetosphere. Lecture Notes in Engineering, 1989, , 12-20.	0.1	0
47	Electromagnetic tornadoes in space. Computer Physics Communications, 1988, 49, 61-74.	3.0	12
48	Monte Carlo Modeling Of Large-Scale Ion-Conic Generation. Geophysical Monograph Series, 1988, , 185-189.	0.1	0
49	Monte Carlo modeling of ionospheric oxygen acceleration by cyclotron resonance with broad-band electromagnetic turbulence. Physical Review Letters, 1987, 59, 148-151.	2.9	88
50	Transverse acceleration of oxygen ions by electromagnetic ion cyclotron resonance with broad band leftâ€hand polarized waves. Geophysical Research Letters, 1986, 13, 636-639.	1.5	238
51	Ion acceleration by lower hybrid waves in the suprauroral region. Journal of Geophysical Research, 1986, 91, 1609-1618.	3.3	115
52	Ion acceleration in the suprauroral region: A Monte Carlo Model. Geophysical Research Letters, 1983, 10, 583-586.	1.5	62
53	Wide binaries in the solar neighborhood. Astrophysical Journal, 1982, 254, 214.	1.6	60
54	The binding-energy distribution of the binaries in a star cluster. I - Time-independent, homogeneous cluster models. Astronomical Journal, 1980, 85, 249.	1.9	7

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55	Relaxation with close encounters in stellar systems. Astronomical Journal, 1979, 84, 370.	1.9	15
56	Analytic Ion Conics in the Magnetosphere. Geophysical Monograph Series, 0, , 286-290.	0.1	2
57	Plasma Simulation of Ion Acceleration by Lower Hybrid Waves in the Suprauroral Region. Geophysical Monograph Series, 0, , 282-285.	0.1	1