J Douglas Menietti

List of Publications by Year in descending order

100 papers	2,171 citations	236612 25 h-index	276539 41 g-index
101 all docs	101 docs citations	101 times ranked	1220 citing authors

#	Article	IF	Citations
1	Acceleration of Electrons by Whistlerâ€Mode Hiss Waves at Saturn. Geophysical Research Letters, 2022, 49, .	1.5	7
2	Reflection and Refraction of the Lâ€O Mode 5ÂkHz Saturn Narrowband Emission by the Magnetosheath. Geophysical Research Letters, 2022, 49, .	1.5	3
3	Juno Plasma Wave Observations at Ganymede. Geophysical Research Letters, 2022, 49, .	1.5	13
4	Lowâ€Latitude Whistlerâ€Mode and Higherâ€Latitude Zâ€Mode Emission at Jupiter Observed by Juno. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028742.	0.8	10
5	Inferring Jovian Electron Densities Using Plasma Wave Spectra Obtained by the Juno/Waves Instrument. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029263.	0.8	9
6	Analysis of Whistlerâ€Mode and Zâ€Mode Emission in the Juno Primary Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029885.	0.8	5
7	Quasilinear model of Jovian whistler mode emission. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029930.	0.8	1
8	Periodic Narrowband Radio Wave Emissions and Inward Plasma Transport at Saturn's Magnetosphere. Astronomical Journal, 2020, 159, 249.	1.9	12
9	The Generation of Upwardâ€Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027868.	0.8	11
10	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. Geophysical Research Letters, 2020, 47, e2020GL088198.	1.5	16
11	Distribution in Saturn's Inner Magnetosphere From 2.4 to 10 R_S: A Diffusive Equilibrium Model. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027545.	0.8	9
12	Quasiperiodic Saturn Auroral Hiss Observed During a Cassini Proximal Orbit. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027338.	0.8	5
13	Survey of Saturn Whistler Mode Hiss Intensity. Journal of Geophysical Research: Space Physics, 2019, 124, 4266-4277.	0.8	6
14	A Persistent, Largeâ€Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. Geophysical Research Letters, 2019, 46, 7166-7172.	1.5	2
15	Rapid Electron Acceleration in Lowâ€Density Regions of Saturn's Radiation Belt by Whistler Mode Chorus Waves. Geophysical Research Letters, 2019, 46, 7191-7198.	1.5	22
16	The Role of Intense Upper Hybrid Resonance Emissions in the Generation of Saturn Narrowband Emission. Journal of Geophysical Research: Space Physics, 2019, 124, 5709-5718.	0.8	7
17	Analysis of Intense Zâ€Mode Emission Observed During the Cassini Proximal Orbits. Geophysical Research Letters, 2018, 45, 6766-6772.	1.5	8
18	An SLS5 Longitude System Based on the Rotational Modulation of Saturn Radio Emissions. Geophysical Research Letters, 2018, 45, 7297-7305.	1.5	13

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19	Formation of electron radiation belts at Saturn by Z-mode wave acceleration. Nature Communications, 2018, 9, 5062.	5.8	29
20	Strong whistler mode waves observed in the vicinity of Jupiterâ€™s moons. Nature Communications, 2018, 9, 3131.	5.8	22
21	Extended Survey of Saturn Zâ€Mode Wave Intensity Through Cassini's Final Orbits. Geophysical Research Letters, 2018, 45, 7330-7336.	1.5	7
22	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. Geophysical Research Letters, 2018, 45, 6782-6789.	1.5	8
23	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 7347-7353.	1.5	16
24	Interactions between energetic electrons and realistic whistler mode waves in the Jovian magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5355-5364.	0.8	5
25	A neural network model of threeâ€dimensional dynamic electron density in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 9183-9197.	0.8	51
26	Survey of Saturn electrostatic cyclotron harmonic wave intensity. Journal of Geophysical Research: Space Physics, 2017, 122, 8214-8227.	0.8	10
27	Intense Harmonic Emissions Observed in Saturn's Ionosphere. Geophysical Research Letters, 2017, 44, 12,049.	1.5	12
28	Rotational modulation of Saturn's radio emissions after equinox. Journal of Geophysical Research: Space Physics, 2016, 121, 11,714.	0.8	25
29	Survey of whistler mode chorus intensity at Jupiter. Journal of Geophysical Research: Space Physics, 2016, 121, 9758-9770.	0.8	23
30	Source region and growth analysis of narrowband Zâ€mode emission at Saturn. Journal of Geophysical Research: Space Physics, 2016, 121, 11,929.	0.8	14
31	EMIC waves observed by the lowâ€altitude satellite DEMETER during the November 2004 magnetic storm. Journal of Geophysical Research: Space Physics, 2015, 120, 5455-5464.	0.8	11
32	Effects of Saturn's magnetospheric dynamics on Titan's ionosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8884-8898.	0.8	11
33	Survey of Saturn Zâ€mode emission. Journal of Geophysical Research: Space Physics, 2015, 120, 6176-6187.	0.8	12
34	Inner magnetospheric electron temperature and spacecraft potential estimated from concurrent Polar upper hybrid frequency and relative potential measurements. Journal of Geophysical Research: Space Physics, 2014, 119, 8046-8062.	0.8	3
35	A possible influence of the Great White Spot on Saturn kilometric radiation periodicity. Annales Geophysicae, 2014, 32, 1463-1476.	0.6	19
36	Survey analysis of chorus intensity at Saturn. Journal of Geophysical Research: Space Physics, 2014, 119, 8415-8425.	0.8	19

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37	Saturn chorus latitudinal variations. Journal of Geophysical Research: Space Physics, 2014, 119, 4656-4667.	0.8	4
38	The origin of Jupiter's outer radiation belt. , 2014, , .		1
39	Frequency drift of Saturn chorus emission compared to nonlinear theory. Journal of Geophysical Research: Space Physics, 2013, 118, 982-990.	0.8	10
40	Saturn chorus intensity variations. Journal of Geophysical Research: Space Physics, 2013, 118, 5592-5602.	0.8	18
41	Electron acceleration at Jupiter: input from cyclotron-resonant interaction with whistler-mode chorus waves. Annales Geophysicae, 2013, 31, 1619-1630.	0.6	20
42	Gyroresonant interactions between the radiation belt electrons and whistler mode chorus waves in the radiation environments of Earth, Jupiter, and Saturn: A comparative study. Journal of Geophysical Research, 2012, 117, .	3.3	49
43	Cassini observation of Jovian anomalous continuum radiation. Journal of Geophysical Research, 2012, 117, .	3.3	4
44	Fundamental characteristics of fieldâ€aligned auroral acceleration derived from AKR spectra. Journal of Geophysical Research, 2012, 117, .	3.3	8
45	Chorus, ECH, and Z mode emissions observed at Jupiter and Saturn and possible electron acceleration. Journal of Geophysical Research, 2012, 117, .	3.3	49
46	Importance of plasma injection events for energization of relativistic electrons in the Jovian magnetosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
47	Auroral electron distributions within and close to the Saturn kilometric radiation source region. Journal of Geophysical Research, 2011, 116, .	3.3	35
48	Analysis of Saturn kilometric radiation near a source center. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
49	Ion cyclotron harmonics in the Saturn downward current auroral region. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
50	Simultaneous radio and optical observations of auroral structures: Implications for AKR beaming. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
51	Source mechanism of Saturn narrowband emission. Annales Geophysicae, 2010, 28, 1013-1021.	0.6	12
52	Locations of chorus emissions observed by the Polar Plasma Wave Instrument. Journal of Geophysical Research, 2010, 115, .	3.3	21
53	Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, .	3.3	94
54	Z mode waves as the source of Saturn narrowband radio emissions. Journal of Geophysical Research, 2010, 115, .	3.3	30

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55	Electron beams as the source of whistlerâ€mode auroral hiss at Saturn. Geophysical Research Letters, 2010, 37, .	1.5	31
56	CMI growth rates for Saturnian kilometric radiation. Geophysical Research Letters, 2010, 37, .	1.5	33
57	The reversal of the rotational modulation rates of the north and south components of Saturn kilometric radiation near equinox. Geophysical Research Letters, 2010, 37, .	1.5	65
58	Equatorward diffuse auroral emissions at Jupiter: Simultaneous HST and Galileo observations. Geophysical Research Letters, 2009, 36, .	1.5	40
59	Source locations of narrowband radio emissions detected at Saturn. Journal of Geophysical Research, 2009, 114, .	3.3	38
60	Analysis of narrowband emission observed in the Saturn magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	24
61	Gyro-resonant electron acceleration atÂJupiter. Nature Physics, 2008, 4, 301-304.	6.5	84
62	Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	51
63	Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. Journal of Geophysical Research, 2008, 113, .	3.3	60
64	AKR breakup and auroral particle acceleration at substorm onset. Journal of Geophysical Research, 2008, 113, .	3.3	18
65	Analysis of plasma waves observed in the inner Saturn magnetosphere. Annales Geophysicae, 2008, 26, 2631-2644.	0.6	16
66	A survey of Galileo plasma wave instrument observations of Jovian whistler-mode chorus. Annales Geophysicae, 2008, 26, 1819-1828.	0.6	26
67	Possible eigenmode trapping in density enhancements in Saturn's inner magnetosphere. Geophysical Research Letters, 2007, 34, .	1.5	4
68	Modulation of the growth of auroral kilometric radiation by electromagnetic ion cyclotron waves. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	2
69	Dual structure of auroral acceleration regions at substorm onsets as derived from auroral kilometric radiation spectra. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	27
70	Influence of Saturnian moons on Saturn kilometric radiation. Journal of Geophysical Research, 2007, 112, .	3.3	23
71	Particleâ€inâ€cell simulation study of the impact of ion cyclotron waves on auroral kilometric radiation. Journal of Geophysical Research, 2007, 112, .	3.3	2
72	Methods in the study of discrete upper hybrid waves. Journal of Geophysical Research, 2007, 112, .	3.3	3

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73	Plasma waves and fine structure emission bands within a plasmapause density cavity source region. Geophysical Research Letters, 2006, 33, .	1.5	9
74	Striated drifting auroral kilometric radiation bursts: Possible stimulation by upward traveling EMIC waves. Journal of Geophysical Research, 2006, 111, .	3.3	10
75	Europa control of Jovian radio emission: A Galileo study. Geophysical Research Letters, 2006, 33, .	1.5	8
76	Broadband electrostatic wave observations in the auroral region on Polar and comparisons with theory. Journal of Geophysical Research, 2006, 111, .	3.3	4
77	Striated auroral kilometric radiation emission: A remote tracer of ion solitary structures. Journal of Geophysical Research, 2006, 111, .	3.3	31
78	On fine structure emission associated with plasmaspheric density irregularities. Geophysical Research Letters, 2005, 32, .	1.5	4
79	Electron density in the magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	76
80	Effective collision frequency due to ion-acoustic instability: Theory and simulations. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	31
81	Near-source and remote observations of kilometric continuum radiation from multispacecraft observations. Journal of Geophysical Research, 2003, 108, .	3.3	14
82	Magnetospheric electron density model inferred from Polar plasma wave data. Journal of Geophysical Research, 2002, 107, SMP 25-1.	3.3	54
83	Electrostatic electron cyclotron waves generated by low-energy electron beams. Journal of Geophysical Research, 2002, 107, SMP 8-1.	3.3	20
84	Field line dependence of magnetospheric electron density. Geophysical Research Letters, 2002, 29, 58-1-58-4.	1.5	72
85	Latitudinal density dependence of magnetic field lines inferred from Polar plasma wave data. Journal of Geophysical Research, 2001, 106, 6195-6201.	3.3	64
86	Control of Jovian radio emission by Callisto. Geophysical Research Letters, 2001, 28, 3047-3050.	1.5	19
87	Local time dependence of Jovian radio emissions observed by Galileo. Geophysical Research Letters, 1999, 26, 569-572.	1.5	7
88	Control of Jovian radio emission by Ganymede. Geophysical Research Letters, 1998, 25, 4281-4284.	1.5	21
89	Second harmonic hectometric radio emission at Jupiter. Geophysical Research Letters, 1998, 25, 4425-4428.	1.5	4
90	Radio emissions observed by Galileo near Io. Geophysical Research Letters, 1998, 25, 25-28.	1.5	7

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91	An unusual rotationally modulated attenuation band in the Jovian hectometric radio emission spectrum. Geophysical Research Letters, 1998, 25, 1841-1844.	1.5	20
92	Cusp energetic ions: A bow shock source. Geophysical Research Letters, 1998, 25, 3729-3732.	1.5	53
93	Coupling between mesoscale and microscale processes in the cusp and auroral plasmas. Geophysical Monograph Series, 1995, , 269-283.	0.1	1
94	Absence of magnetic field constraints on the source region of Jovian decametric radiation. Geophysical Research Letters, 1995, 22, 1389-1392.	1.5	3
95	Temporal and spatial signatures in the injection of magnetosheath plasma into the cusp/cleft. Geophysical Monograph Series, 1994, , 171-181.	0.1	1
96	Ray tracing of Jovian decametric radiation from southern and northern hemisphere sources: Comparison with Voyager observations. Journal of Geophysical Research, 1987, 92, 27-38.	3.3	11
97	â€œElectron conicâ€•signatures observed in the nightside auroral zone and over the polar cap. Journal of Geophysical Research, 1985, 90, 5345-5353.	3.3	57
98	Plasma injection and transport in the midâ€altitude polar cusp. Geophysical Research Letters, 1982, 9, 921-924.	1.5	147
99	Plasma Wave Observations at Earth, Jupiter, and Saturn. Geophysical Monograph Series, 0, , 415-430.	0.1	12
100	Saturn Kilometric Radiation Near a Source Center on Day 73, 2008. , 0, , .		3