

J R MartÃ-n-SolÃ-s

List of Publications by Year in descending order

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45
papers

1,683
citations

257450

24
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Radial runaway losses in tokamak disruptions. <i>Physics of Plasmas</i> , 2021, 28, 032505.	1.9	2
2	Runaway electron imaging spectrometry (REIS) system. <i>Review of Scientific Instruments</i> , 2019, 90, 073501.	1.3	8
3	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. <i>Journal of Nuclear Materials</i> , 2019, 516, 202-213.	2.7	18
4	Runaway electron beam control. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014036.	2.1	26
5	Formation and termination of runaway beams in ITER disruptions. <i>Nuclear Fusion</i> , 2017, 57, 066025.	3.5	66
6	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. <i>Nature Physics</i> , 2017, 13, 973-978.	16.7	73
7	Runaway electron generation and control. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014044.	2.1	39
8	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution. <i>Nuclear Fusion</i> , 2017, 57, 102014.	3.5	23
9	Overview of the JET results in support to ITER. <i>Nuclear Fusion</i> , 2017, 57, 102001.	3.5	150
10	Study of Z scaling of runaway electron plateau final loss energy deposition into wall of DIII-D. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	16
11	Overview of the FTU results. <i>Nuclear Fusion</i> , 2017, 57, 102004.	3.5	7
12	On the measurement of the threshold electric field for runaway electron generation in the Frascati Tokamak Upgrade. <i>Physics of Plasmas</i> , 2016, 23, 122501.	1.9	16
13	Runaway electron dynamics in tokamak plasmas with high impurity content. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	22
14	Overview of the JET results. <i>Nuclear Fusion</i> , 2015, 55, 104001.	3.5	50
15	Overview of the FTU results. <i>Nuclear Fusion</i> , 2015, 55, 104005.	3.5	10
16	On the avalanche generation of runaway electrons during tokamak disruptions. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	17
17	Inter-machine comparison of the termination phase and energy conversion in tokamak disruptions with runaway current plateau formation and implications for ITER. <i>Nuclear Fusion</i> , 2014, 54, 083027.	3.5	26
18	An ITPA joint experiment to study runaway electron generation and suppression. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	71

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19	A first approach to runaway electron control in FTU. Fusion Engineering and Design, 2013, 88, 1109-1112.	1.9	8
20	Perpendicular dynamics of runaway electrons in tokamak plasmas. Physics of Plasmas, 2012, 19, 102504.	1.9	8
21	Magnetic energy flows during the current quench and termination of disruptions with runaway current plateau formation in JET and implications for ITER. Nuclear Fusion, 2011, 51, 073004.	3.5	52
22	Experimental Observation of Increased Threshold Electric Field for Runaway Generation due to Synchrotron Radiation Losses in the FTU Tokamak. Physical Review Letters, 2010, 105, 185002.	7.8	33
23	Disruption control on FTU and ASDEX upgrade with ECRH. Nuclear Fusion, 2009, 49, 065014.	3.5	35
24	Overview of the FTU results. Nuclear Fusion, 2009, 49, 104013.	3.5	24
25	ECRH: A Tool To Control Disruptions In Tokamaks. , 2009, , .		2
26	Disruption Avoidance in the Frascati Tokamak Upgrade by Means of Magnetohydrodynamic Mode Stabilization Using Electron-Cyclotron-Resonance Heating. Physical Review Letters, 2008, 100, 045006.	7.8	39
27	Reply to comment on "Comparison of runaway dynamics in LH and ECRH heated discharges in the Frascati Tokamak Upgrade". Nuclear Fusion, 2008, 48, 068002.	3.5	0
28	Pitch angle scattering and synchrotron radiation of relativistic runaway electrons in tokamak stochastic magnetic fields. Physics of Plasmas, 2008, 15, .	1.9	8
29	Overview of the FTU results. Nuclear Fusion, 2007, 47, S608-S621.	3.5	27
30	Determination of the parametric region in which runaway electron energy losses are dominated by bremsstrahlung radiation in tokamaks. Physics of Plasmas, 2007, 14, 072503.	1.9	9
31	Enhanced Production of Runaway Electrons during a Disruptive Termination of Discharges Heated with Lower Hybrid Power in the Frascati Tokamak Upgrade. Physical Review Letters, 2006, 97, 165002.	7.8	38
32	Estimation of synchrotron radiation and limiting energy of high-energy runaway electrons in tokamak stochastic magnetic fields. Physics of Plasmas, 2006, 13, 012508.	1.9	5
33	Comparison of runaway dynamics in LH and ECRH heated discharges in the Frascati Tokamak Upgrade. Nuclear Fusion, 2005, 45, 1524-1533.	3.5	17
34	Overview of the FTU results. Nuclear Fusion, 2005, 45, S227-S238.	3.5	17
35	Runaway electron behaviour during electron cyclotron resonance heating in the Frascati Tokamak Upgrade. Nuclear Fusion, 2004, 44, 974-981.	3.5	29
36	Dynamics of high energy runaway electrons in the Frascati Tokamak Upgrade. Physics of Plasmas, 2003, 10, 2350-2360.	1.9	90

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37	Interaction of runaway electrons with lower hybrid waves via anomalous Doppler broadening. <i>Physics of Plasmas</i> , 2002, 9, 1667-1675.	1.9	25
38	A gamma-ray spectrometer system for fusion applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 476, 522-526.	1.6	23
39	On the effect of synchrotron radiation and magnetic fluctuations on the avalanche runaway growth rate. <i>Physics of Plasmas</i> , 2000, 7, 3814-3817.	1.9	10
40	Predictions on runaway current and energy during disruptions in tokamak plasmas. <i>Physics of Plasmas</i> , 2000, 7, 3369-3377.	1.9	27
41	Energy limits on runaway electrons in tokamak plasmas. <i>Physics of Plasmas</i> , 1999, 6, 238-252.	1.9	46
42	Effect of magnetic and electrostatic fluctuations on the runaway electron dynamics in tokamak plasmas. <i>Physics of Plasmas</i> , 1999, 6, 3925-3933.	1.9	38
43	Plasma detachment in JET Mark I divertor experiments. <i>Nuclear Fusion</i> , 1998, 38, 331-371.	3.5	282
44	Momentum space structure of relativistic runaway electrons. <i>Physics of Plasmas</i> , 1998, 5, 2370-2377.	1.9	95
45	Runaway electron measurements in the JET tokamak. <i>Plasma Physics and Controlled Fusion</i> , 1996, 38, 2035-2049.	2.1	56