

G Saibene

List of Publications by Year in descending order

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docs citations

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times ranked

2202
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	3.5	36
2	Progress on the application of ELM control schemes to ITER scenarios from the non-active phase to DT operation. Nuclear Fusion, 2014, 54, 033007.	3.5	214
3	ELM control strategies and tools: status and potential for ITER. Nuclear Fusion, 2013, 53, 043004.	3.5	98
4	Pedestal study across a deuterium fuelling scan for high β_N ELMy H-mode plasmas on JET with the carbon wall. Nuclear Fusion, 2013, 53, 083028.	3.5	29
5	MHD stability of the pedestal in ITER scenarios. Nuclear Fusion, 2013, 53, 093011.	3.5	26
6	Confinement and edge studies towards low β_N and $\beta_{N/2}$ at JET. Nuclear Fusion, 2013, 53, 073020.	3.5	12
7	3D vacuum magnetic field modelling of the ITER ELM control coil during standard operating scenarios. Nuclear Fusion, 2013, 53, 093029.	3.5	72
8	Power load characterization for type-I ELMy H-modes in JET. Nuclear Fusion, 2011, 51, 123001.	3.5	26
9	Comparison between dominant NB and dominant IC heated ELMy H-mode discharges in JET. Nuclear Fusion, 2011, 51, 103033.	3.5	15
10	ELM pacing investigations at JET with the new pellet launcher. Nuclear Fusion, 2011, 51, 033010.	3.5	35
11	H-mode pedestal scaling in DIII-D, ASDEX Upgrade, and JET. Physics of Plasmas, 2011, 18, 056120.	1.9	76
12	Pedestal width and ELM size identity studies in JET and DIII-D; implications for ITER. Plasma Physics and Controlled Fusion, 2009, 51, 124051.	2.1	44
13	Pedestal and scrape-off layer dynamics in ELMy H-mode plasmas in JET. Nuclear Fusion, 2009, 49, 125006.	3.5	27
14	Pedestal stability comparison and ITER pedestal prediction. Nuclear Fusion, 2009, 49, 085035.	3.5	179
15	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	3.5	200
16	Integrated Modelling with COCONUT of Type-I ELMs at JET. Contributions To Plasma Physics, 2008, 48, 201-206.	1.1	9
17	Identifying the MHD signature and power deposition characteristics associated with type-II ELMs in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2008, 50, 065018.	2.1	9
18	Numerical study of the resonant magnetic perturbations for Type I edge localized modes control in ITER. Nuclear Fusion, 2008, 48, 024003.	3.5	71

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19	The H-mode pedestal, ELMs and TF ripple effects in JT-60U/JET dimensionless identity experiments. Nuclear Fusion, 2007, 47, 969-983.	3.5	36
20	Progress towards an integrated solution for the ITER baseline scenario based on high current and highly shaped plasma operation at JET. Plasma Physics and Controlled Fusion, 2007, 49, A59-A72.	2.1	0
21	Chapter 2: Plasma confinement and transport. Nuclear Fusion, 2007, 47, S18-S127.	3.5	649
22	Transient heat loads in current fusion experiments, extrapolation to ITER and consequences for its operation. Physica Scripta, 2007, T128, 222-228.	2.5	124
23	Edge localized modes control by resonant magnetic perturbations. Journal of Nuclear Materials, 2007, 363-365, 1071-1075.	2.7	46
24	Pedestal conditions for small ELM regimes in tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A171-A181.	2.1	88
25	Integrated ELM Modelling. Contributions To Plasma Physics, 2006, 46, 726-738.	1.1	10
26	Survey of Type I ELM dynamics measurements. Plasma Physics and Controlled Fusion, 2006, 48, A149-A162.	2.1	43
27	A new look at JET operation with Be as plasma facing material. Journal of Nuclear Materials, 2005, 337-339, 816-820.	2.7	26
28	Edge localized modes control: experiment and theory. Journal of Nuclear Materials, 2005, 337-339, 677-683.	2.7	24
29	Structure, stability and ELM dynamics of the H-mode pedestal in DIII-D. Nuclear Fusion, 2005, 45, 1493-1502.	3.5	47
30	Small ELM regimes with good confinement on JET and comparison to those on ASDEX Upgrade, Alcator C-mod and JT-60U. Nuclear Fusion, 2005, 45, 1213-1223.	3.5	41
31	Development of internal transport barrier scenarios at ITER-relevant high triangularity in JET. Nuclear Fusion, 2005, 45, 1481-1492.	3.5	10
32	Characterization of small ELM experiments in highly shaped single null and quasi-double-null plasmas in JET. Nuclear Fusion, 2005, 45, 297-317.	3.5	81
33	Edge ion parameters at the Lâ€™H transition on JET. Plasma Physics and Controlled Fusion, 2004, 46, 337-347.	2.1	29
34	EDGE2D modelling of edge profiles obtained in JET diagnostic optimized configuration. Plasma Physics and Controlled Fusion, 2004, 46, 431-446.	2.1	64
35	Study of Type III ELMs in JET. Plasma Physics and Controlled Fusion, 2004, 46, 723-750.	2.1	66
36	Dimensionless pedestal identity experiments in JT-60U and JET in ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A195-A205.	2.1	12

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37	Washboard modes as ELM-related events in JET. Plasma Physics and Controlled Fusion, 2004, 46, 61-87.	2.1	58
38	ELMy H-modes in JET helium-4 plasmas. Plasma Physics and Controlled Fusion, 2004, 46, 519-534.	2.1	50
39	Characterization of pedestal parameters and edge localized mode energy losses in the Joint European Torus and predictions for the International Thermonuclear Experimental Reactor. Physics of Plasmas, 2004, 11, 2668-2678.	1.9	104
40	Recent H-mode density limit studies at JET. Nuclear Fusion, 2004, 44, 752-760.	3.5	34
41	Reduction of divertor heat load in JET ELMy H-modes using impurity seeding techniques. Nuclear Fusion, 2004, 44, 312-319.	3.5	91
42	Towards the realization on JET of an integrated H-mode scenario for ITER. Nuclear Fusion, 2004, 44, 124-133.	3.5	45
43	The beta scaling of energy confinement in ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2004, 46, A215-A225.	2.1	67
44	Key ITER plasma edge and plasma-material interaction issues. Journal of Nuclear Materials, 2003, 313-316, 11-22.	2.7	319
45	ELM energy and particle losses and their extrapolation to burning plasma experiments. Journal of Nuclear Materials, 2003, 313-316, 962-966.	2.7	125
46	Integrated predictive modeling of JET H-mode plasma with type-I and type-III ELMs. Plasma Physics Reports, 2003, 29, 539-544.	0.9	9
47	Edge localized mode physics and operational aspects in tokamaks. Plasma Physics and Controlled Fusion, 2003, 45, A93-A113.	2.1	88
48	Characteristics of type I ELM energy and particle losses in existing devices and their extrapolation to ITER. Plasma Physics and Controlled Fusion, 2003, 45, 1549-1569.	2.1	487
49	Particle transport and density profile analysis of different JET plasmas. Nuclear Fusion, 2003, 43, 1829-1836.	3.5	50
50	Integrated predictive modelling of the effect of neutral gas puffing in ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2003, 45, 1689-1711.	2.1	23
51	Pellet injection as a possible tool for plasma performance improvement. Nuclear Fusion, 2003, 43, 1072-1076.	3.5	37
52	High density, high performance high-confinement-mode plasmas in the Joint European Torus (JET). Physics of Plasmas, 2002, 9, 2103-2112.	1.9	12
53	ELM moderation with ICRF heating on JET. Plasma Physics and Controlled Fusion, 2002, 44, 1937-1952.	2.1	5
54	Core and edge confinement studies with different heating methods in JET. Nuclear Fusion, 2002, 42, 86-93.	3.5	8

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55	Local physics basis of confinement degradation in JET ELMy H mode plasmas and implications for tokamak reactors. Nuclear Fusion, 2002, 42, 66-75.	3.5	6
56	ELM mitigation by nitrogen seeding in the JET gas box divertor. Plasma Physics and Controlled Fusion, 2002, 44, 639-652.	2.1	46
57	Edge operational space for high density/high confinement ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1801-1813.	2.1	15
58	Long timescale density peaking in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1911-1917.	2.1	47
59	Improved performance of ELMy H-modes at high density by plasma shaping in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1769-1799.	2.1	138
60	Characteristics and scaling of energy and particle losses during Type I ELMs in JET H-modes. Plasma Physics and Controlled Fusion, 2002, 44, 1815-1844.	2.1	153
61	ELMs behaviour and edge plasma stability in JET. Plasma Physics and Controlled Fusion, 2002, 44, A103-A112.	2.1	30
62	Edge issues in ITB plasmas in JET. Plasma Physics and Controlled Fusion, 2002, 44, 2445-2469.	2.1	30
63	Recent progress on JET towards the ITER reference mode of operation at high density. Plasma Physics and Controlled Fusion, 2001, 43, A11-A30.	2.1	51
64	Isotope identity experiments in JET. Plasma Physics and Controlled Fusion, 2000, 42, A127-A132.	2.1	15
65	Comparison between experimental and theoretical conditions for the L-H transition in JET. Plasma Physics and Controlled Fusion, 2000, 42, A199-A204.	2.1	17
66	The isotope effect on the L mode density limit in JET hydrogen, deuterium and tritium divertor plasmas. Nuclear Fusion, 1999, 39, 979-991.	3.5	14
67	Isotope scaling of the H mode power threshold on JET. Nuclear Fusion, 1999, 39, 309-319.	3.5	107
68	High fusion power steady state operation in JET DT plasmas. Nuclear Fusion, 1999, 39, 993-1008.	3.5	36
69	The influence of isotope mass, edge magnetic shear and input power on high density ELMy H modes in JET. Nuclear Fusion, 1999, 39, 1133-1156.	3.5	142
70	Interpretation of density limits and the H-mode operational diagram through similarity parameters for edge transport mechanisms. Plasma Physics and Controlled Fusion, 1999, 41, 913-930.	2.1	31
71	Studies in JET divertors of varied geometry. I: Non-seeded plasma operation. Nuclear Fusion, 1999, 39, 1-17.	3.5	77
72	Performance near operational boundaries. Plasma Physics and Controlled Fusion, 1999, 41, B329-B341.	2.1	37

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73	Edge localized modes and edge pedestal in NBI and ICRF heated H, D and T plasmas in JET. Nuclear Fusion, 1999, 39, 353-367.	3.5	24
74	Overview of ITER physics deuterium-tritium experiments in JET. Nuclear Fusion, 1999, 39, 235-253.	3.5	84
75	Trace tritium and the H-mode density limit. Journal of Nuclear Materials, 1999, 266-269, 1134-1138.	2.7	10
76	Modelling of plasma tritium concentration and wall tritium inventory at JET. Journal of Nuclear Materials, 1999, 266-269, 922-927.	2.7	7
77	The edge operational space in JET. Journal of Nuclear Materials, 1999, 266-269, 124-130.	2.7	26
78	Confinement of high-current steady-state ELMy H-modes with the JET Mark II divertor. Plasma Physics and Controlled Fusion, 1998, 40, 757-763.	2.1	13
79	Plasma detachment in JET Mark I divertor experiments. Nuclear Fusion, 1998, 38, 331-371.	3.5	282
80	Influence of active pumping on density and confinement behaviour of JET plasmas. Journal of Nuclear Materials, 1997, 241-243, 476-482.	2.7	2
81	Toroidal field reversal effects on divertor asymmetries in JET. Plasma Physics and Controlled Fusion, 1996, 38, 1579-1592.	2.1	31