

Gj Kramer

List of Publications by Year in descending order

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50
papers

1,774
citations

236925

25
h-index

265206

42
g-index

50
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50
docs citations

50
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	A consistent analysis of $(e, e\epsilon^2 p)$ and $(d, {}^3\text{He})$ experiments. Nuclear Physics A, 2001, 679, 267-286.	1.5	182
2	Alfvén eigenmode and energetic particle research in JT-60U. Nuclear Fusion, 1998, 38, 1303-1314.	3.5	135
3	Alfvén eigenmodes driven by Alfvénic beam ions in JT-60U. Nuclear Fusion, 2001, 41, 603-612.	3.5	93
4	Proton ground-state correlations in ${}^{40}\text{Ca}$ studied with the reaction ${}^{40}\text{Ca}(e, e\epsilon^2 p){}^{49}\text{K}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 227, 199-203.	4.1	81
5	Energetic particle instabilities in fusion plasmas. Nuclear Fusion, 2013, 53, 104022.	3.5	79
6	Characteristics of Alfvén eigenmodes, burst modes and chirping modes in the Alfvén frequency range driven by negative ion based neutral beam injection in JT-60U. Nuclear Fusion, 1999, 39, 1837-1843.	3.5	74
7	Study of thermonuclear Alfvén instabilities in next step burning plasma proposals. Nuclear Fusion, 2003, 43, 594-605.	3.5	60
8	Measurements, modelling and electron cyclotron heating modification of Alfvén eigenmode activity in DIII-D. Nuclear Fusion, 2009, 49, 065003.	3.5	56
9	Recent progress of Alfvén eigenmode experiments using N-NB in JT-60U tokamak. Nuclear Fusion, 2002, 42, 942-948.	3.5	52
10	Toroidal Alfvén eigenmodes driven with ICRF accelerated protons in JT-60U negative shear discharges. Nuclear Fusion, 1998, 38, 1215-1223.	3.5	48
11	Fast particle experiments in JT-60U. Nuclear Fusion, 2000, 40, 1383-1396.	3.5	47
12	Electron cyclotron heating can drastically alter reversed shear Alfvén eigenmode activity in DIII-D through finite pressure effects. Nuclear Fusion, 2016, 56, 112007.	3.5	47
13	Central flattening of the fast-ion profile in reversed-shear DIII-D discharges. Nuclear Fusion, 2008, 48, 084001.	3.5	46
14	Energetic ion transport by abrupt large-amplitude event induced by negative-ion-based neutral beam injection in the JT-60U. Nuclear Fusion, 2005, 45, 1474-1480.	3.5	44
15	Alfvén eigenmode stability and fast ion loss in DIII-D and ITER reversed magnetic shear plasmas. Nuclear Fusion, 2012, 52, 094023.	3.5	43
16	Compressional Alfvén eigenmode instability in NSTX. Nuclear Fusion, 2002, 42, 977-985.	3.5	42
17	Prediction of nonlinear evolution character of energetic-particle-driven instabilities. Nuclear Fusion, 2017, 57, 054001.	3.5	40
18	Magnetic safety factor profile before and after sawtooth crashes investigated with toroidicity and ellipticity induced Alfvén eigenmodes. Nuclear Fusion, 2001, 41, 1135-1151.	3.5	37

#	ARTICLE	IF	CITATIONS
19	Internal Alfvén eigenmode observations on DIII-D. Nuclear Fusion, 2006, 46, S880-S887.	3.5	37
20	ITER test blanket module error field simulation experiments at DIII-D. Nuclear Fusion, 2011, 51, 103028.	3.5	36
21	Fast-ion energy loss during TAE avalanches in the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 013006.	3.5	36
22	Experimental studies of instabilities and confinement of energetic particles on JET and MAST. Nuclear Fusion, 2005, 45, 1168-1177.	3.5	34
23	Phase-space dependent critical gradient behavior of fast-ion transport due to Alfvén eigenmodes. Nuclear Fusion, 2017, 57, 086005.	3.5	31
24	Spectroscopic factors from the $51\text{V}(\text{d}, 3\text{He})50\text{Ti}$ reaction. Nuclear Physics A, 1988, 477, 55-76.	1.5	28
25	Stability properties of toroidal Alfvén modes driven by fast particles. Nuclear Fusion, 2000, 40, 1311-1323.	3.5	26
26	Observation of global Alfvén eigenmode avalanche events on the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 043001.	3.5	25
27	The phase-space dependence of fast-ion interaction with tearing modes. Nuclear Fusion, 2018, 58, 082027.	3.5	25
28	2D reflectometer modelling for optimizing the ITER low-field side X-mode reflectometer system. Nuclear Fusion, 2006, 46, S846-S852.	3.5	23
29	Quantitative density fluctuation measurements utilizing quadrature reflectometers on DIII-D. Nuclear Fusion, 2006, 46, S708-S713.	3.5	21
30	Millimeter-wave imaging of magnetic fusion plasmas: technology innovations advancing physics understanding. Nuclear Fusion, 2017, 57, 072007.	3.5	21
31	Simulation of localized fast-ion heat loads in test blanket module simulation experiments on DIII-D. Nuclear Fusion, 2013, 53, 123018.	3.5	20
32	Improving fast-ion confinement in high-performance discharges by suppressing Alfvén eigenmodes. Nuclear Fusion, 2017, 57, 056024.	3.5	20
33	The $(e, e'p)$ reaction on ^{142}Nd and ^{146}Nd : A search for deformation effects. Nuclear Physics A, 1993, 560, 811-821.	1.5	19
34	Beam ion losses due to energetic particle geodesic acoustic modes. Nuclear Fusion, 2012, 52, 123015.	3.5	18
35	Fast-ion effects during test blanket module simulation experiments in DIII-D. Nuclear Fusion, 2011, 51, 103029.	3.5	17
36	Observation of confinement degradation of energetic ions due to Alfvén eigenmodes in JT-60U weak shear plasmas. Nuclear Fusion, 2006, 46, S898-S903.	3.5	16

#	ARTICLE	IF	CITATIONS
37	Prompt non-resonant neutral beam-ion loss induced by Alfvén eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2013, 53, 123019.	3.5	16
38	Reduced energetic particle transport models enable comprehensive time-dependent tokamak simulations. Nuclear Fusion, 2019, 59, 106013.	3.5	12
39	Calculation of neoclassical toroidal viscosity with a particle simulation in the tokamak magnetic braking experiments. Nuclear Fusion, 2014, 54, 073014.	3.5	11
40	Preliminary design overview and performance assessment of the ITER low-field side reflectometer. Nuclear Fusion, 2020, 60, 066005.	3.5	11
41	Microwave Imaging Reflectometry for the study of Edge Harmonic Oscillations on DIII-D. Journal of Instrumentation, 2015, 10, P10036-P10036.	1.2	10
42	Validating predictive models for fast ion profile relaxation in burning plasmas. Nuclear Fusion, 2016, 56, 112015.	3.5	10
43	Non-linear wave-particle interactions and fast ion loss induced by multiple Alfvén eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2014, 54, 083005.	3.5	9
44	A path to stable low-torque plasma operation in ITER with test blanket modules. Nuclear Fusion, 2017, 57, 036004.	3.5	9
45	Role of fast-ion transport manipulating safety factor profile in KSTAR early diverting discharges. Nuclear Fusion, 2020, 60, 126023.	3.5	7
46	Synergy between fast-ion transport by core MHD and test blanket module fields in DIII-D experiments. Nuclear Fusion, 2015, 55, 083023.	3.5	6
47	Antenna-plasma coupling calculations for the ITER low-field side reflectometer. Nuclear Fusion, 2018, 58, 126014.	3.5	6
48	Bifurcations of the magnetic axis and the alternating-hyperbolic sawtooth. Nuclear Fusion, 2020, 60, 084005.	3.5	5
49	Measurement and calculation of Alfvén eigenmode damping and excitation over a full toroidal spectrum. Nuclear Fusion, 2012, 52, 083003.	3.5	2
50	Initial results of H-mode edge pedestal turbulence evolution with quadrature reflectometer measurements on DIII-D. Journal of Nuclear Materials, 2007, 363-365, 534-538.	2.7	1