

Allan H Reiman

List of Publications by Year in descending order

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197
citing authors

#	ARTICLE	IF	CITATIONS
1	On the stabilisation of locked tearing modes in ITER and other large tokamaks. Nuclear Fusion, 2022, 62, 086044.	3.5	3
2	Pressure-driven stochastization of flux surfaces in stellarator equilibria: a review of the experimental observations and their analysis. Plasma Physics and Controlled Fusion, 2021, 63, 054002.	2.1	0
3	Disruption avoidance via radio frequency current condensation in magnetic islands produced by off-normal events. Physics of Plasmas, 2021, 28, .	1.9	4
4	Two-fluid model of rf current condensation in magnetic islands. Physics of Plasmas, 2021, 28, .	1.9	3
5	Coupled heat pulse propagation in two-fluid plasmas. Physical Review E, 2021, 103, 053201.	2.1	0
6	On the merit of hot ion mode for tearing mode stabilization. Physics of Plasmas, 2021, 28, 082509.	1.9	2
7	Calculating RF current condensation with consistent ray-tracing and island heating. Physics of Plasmas, 2020, 27, .	1.9	5
8	Pulsed RF schemes for tearing mode stabilization. Physics of Plasmas, 2020, 27, .	1.9	11
9	RF current condensation in the presence of turbulent enhanced transport. Physics of Plasmas, 2020, 27, .	1.9	9
10	RF current condensation in magnetic islands and associated hysteresis phenomena. Physics of Plasmas, 2019, 26, .	1.9	10
11	Magnetohydrodynamical equilibria with current singularities and continuous rotational transform. Physics of Plasmas, 2019, 26, .	1.9	6
12	Suppression of Tearing Modes by Radio Frequency Current Condensation. Physical Review Letters, 2018, 121, 225001.	7.8	25
13	Pressure driven currents near magnetic islands in 3D MHD equilibria: Effects of pressure variation within flux surfaces and of symmetry. Physics of Plasmas, 2016, 23, 072502.	1.9	6
14	Plasma equilibrium in a magnetic field with stochastic regions. Physics of Plasmas, 2009, 16, 072308.	1.9	17
15	Analytic, high- $\hat{\tau}^2$ solutions of the helical Grad-Shafranov equation. Physics of Plasmas, 2004, 11, 3752-3757.	1.9	3
16	Eliminating Islands in High-Pressure Free-Boundary Stellarator Magnetohydrodynamic Equilibrium Solutions. Physical Review Letters, 2002, 89, 275003.	7.8	28
17	Reduction of islands in full-pressure stellarator equilibria. Physics of Plasmas, 2001, 8, 3377-3381.	1.9	19
18	Finite-beta equilibria for Wendelstein 7-X configurations using the Princeton Iterative Equilibrium Solver code. Physics of Plasmas, 1999, 6, 1246-1252.	1.9	4

#	ARTICLE	IF	CITATIONS
19	The pseudo-symmetric optimization of the National Compact Stellarator Experiment. <i>Physics of Plasmas</i> , 1999, 6, 3174-3179.	1.9	6
20	MHD-theoretical aspects of stellarators. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, B115-B128.	2.1	7
21	Tokamak magnetic islands in the presence of nonaxisymmetric perturbations. <i>Physics of Fluids B</i> , 1991, 3, 2617-2625.	1.7	23
22	Green's function for RF-driven current in a toroidal plasma. <i>AIP Conference Proceedings</i> , 1989, , .	0.4	10
23	Three-dimensional plasma equilibrium near a separatrix. <i>Physics of Fluids B</i> , 1989, 1, 555-562.	1.7	11
24	Suppression of magnetic islands by rf driven currents. <i>Physics of Fluids</i> , 1983, 26, 1338.	1.4	62