

Allan H Reiman

List of Publications by Year in descending order

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24
papers

274
citations

933447

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h-index

940533

16
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24
docs citations

24
times ranked

197
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Suppression of magnetic islands by rf driven currents. <i>Physics of Fluids</i> , 1983, 26, 1338. | 1.4 | 62 |
| 2 | Eliminating Islands in High-Pressure Free-Boundary Stellarator Magnetohydrodynamic Equilibrium Solutions. <i>Physical Review Letters</i> , 2002, 89, 275003. | 7.8 | 28 |
| 3 | Suppression of Tearing Modes by Radio Frequency Current Condensation. <i>Physical Review Letters</i> , 2018, 121, 225001. | 7.8 | 25 |
| 4 | Tokamak magnetic islands in the presence of nonaxisymmetric perturbations. <i>Physics of Fluids B</i> , 1991, 3, 2617-2625. | 1.7 | 23 |
| 5 | Reduction of islands in full-pressure stellarator equilibria. <i>Physics of Plasmas</i> , 2001, 8, 3377-3381. | 1.9 | 19 |
| 6 | Plasma equilibrium in a magnetic field with stochastic regions. <i>Physics of Plasmas</i> , 2009, 16, 072308. | 1.9 | 17 |
| 7 | Three-dimensional plasma equilibrium near a separatrix. <i>Physics of Fluids B</i> , 1989, 1, 555-562. | 1.7 | 11 |
| 8 | Pulsed RF schemes for tearing mode stabilization. <i>Physics of Plasmas</i> , 2020, 27, . | 1.9 | 11 |
| 9 | Green's function for RF-driven current in a toroidal plasma. <i>AIP Conference Proceedings</i> , 1989, , . | 0.4 | 10 |
| 10 | RF current condensation in magnetic islands and associated hysteresis phenomena. <i>Physics of Plasmas</i> , 2019, 26, . | 1.9 | 10 |
| 11 | RF current condensation in the presence of turbulent enhanced transport. <i>Physics of Plasmas</i> , 2020, 27, . | 1.9 | 9 |
| 12 | MHD-theoretical aspects of stellarators. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, B115-B128. | 2.1 | 7 |
| 13 | The pseudo-symmetric optimization of the National Compact Stellarator Experiment. <i>Physics of Plasmas</i> , 1999, 6, 3174-3179. | 1.9 | 6 |
| 14 | Pressure driven currents near magnetic islands in 3D MHD equilibria: Effects of pressure variation within flux surfaces and of symmetry. <i>Physics of Plasmas</i> , 2016, 23, 072502. | 1.9 | 6 |
| 15 | Magnetohydrodynamical equilibria with current singularities and continuous rotational transform. <i>Physics of Plasmas</i> , 2019, 26, . | 1.9 | 6 |
| 16 | Calculating RF current condensation with consistent ray-tracing and island heating. <i>Physics of Plasmas</i> , 2020, 27, . | 1.9 | 5 |
| 17 | Finite-beta equilibria for Wendelstein 7-X configurations using the Princeton Iterative Equilibrium Solver code. <i>Physics of Plasmas</i> , 1999, 6, 1246-1252. | 1.9 | 4 |
| 18 | Disruption avoidance via radio frequency current condensation in magnetic islands produced by off-normal events. <i>Physics of Plasmas</i> , 2021, 28, . | 1.9 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Analytic, high- \hat{I}^2 solutions of the helical Grad-Shafranov equation. <i>Physics of Plasmas</i> , 2004, 11, 3752-3757. | 1.9 | 3 |
| 20 | Two-fluid model of rf current condensation in magnetic islands. <i>Physics of Plasmas</i> , 2021, 28, . | 1.9 | 3 |
| 21 | On the stabilisation of locked tearing modes in ITER and other large tokamaks. <i>Nuclear Fusion</i> , 2022, 62, 086044. | 3.5 | 3 |
| 22 | On the merit of hot ion mode for tearing mode stabilization. <i>Physics of Plasmas</i> , 2021, 28, 082509. | 1.9 | 2 |
| 23 | Pressure-driven stochastization of flux surfaces in stellarator equilibria: a review of the experimental observations and their analysis. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 054002. | 2.1 | 0 |
| 24 | Coupled heat pulse propagation in two-fluid plasmas. <i>Physical Review E</i> , 2021, 103, 053201. | 2.1 | 0 |