Ej Paul

List of Publications by Year
in descending order

16	192	1163117	1058476
papers	citations	8	14
		h-index	g-index

16	16	16	96
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving the stellarator through advances in plasma theory. Nuclear Fusion, 2022, 62, 042012.	3.5	5
2	Measures of quasisymmetry for stellarators. Journal of Plasma Physics, 2022, 88, .	2.1	11
3	Magnetic Fields with Precise Quasisymmetry for Plasma Confinement. Physical Review Letters, 2022, 128, 035001.	7.8	56
4	Adjoint methods for quasi-symmetry of vacuum fields on a surface. Journal of Plasma Physics, 2022, 88, .	2.1	2
5	Heat conduction in an irregular magnetic field. Part 2. Heat transport as a measure of the effective non-integrable volume. Journal of Plasma Physics, 2022, 88, .	2.1	5
6	On heat conduction in an irregular magnetic field. Part 1. Journal of Plasma Physics, 2022, 88, .	2.1	2
7	Vacuum magnetic fields with exact quasisymmetry near a flux surface. Part 1. Solutions near an axisymmetric surface. Journal of Plasma Physics, 2021, 87, .	2.1	5
8	Gradient-based optimization of 3D MHD equilibria. Journal of Plasma Physics, 2021, 87, .	2.1	8
9	Computing the shape gradient of stellarator coil complexity with respect to the plasma boundary. Journal of Plasma Physics, 2021, 87, .	2.1	4
10	An adjoint method for determining the sensitivity of island size to magnetic field variations. Journal of Plasma Physics, 2021, 87, .	2.1	6
11	Adjoint approach to calculating shape gradients for three-dimensional magnetic confinement equilibria. Part 2. Applications. Journal of Plasma Physics, 2020, 86, .	2.1	10
12	An adjoint method for neoclassical stellaratorÂoptimization. Journal of Plasma Physics, 2019, 85, .	2.1	12
13	Adjoint approach to calculating shape gradients for three-dimensional magnetic confinement equilibria. Journal of Plasma Physics, 2019, 85, .	2.1	12
14	Computing local sensitivity and tolerances for stellarator physics properties using shape gradients. Nuclear Fusion, 2018, 58, 076023.	3.5	17
15	An adjoint method for gradient-based optimization of stellarator coil shapes. Nuclear Fusion, 2018, 58, 076015.	3.5	26
16	Rotation and neoclassical ripple transport in ITER. Nuclear Fusion, 2017, 57, 116044.	3.5	11