

Ej Paul

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

192
citations

1163117

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1058476

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all docs

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docs citations

16
times ranked

96
citing authors

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