

B J Faber

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

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citations

759233

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times ranked

288
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#	ARTICLE	IF	CITATIONS
1	Stellarator equilibria with reactor relevant energetic particle losses. Journal of Plasma Physics, 2019, 85, .	2.1	36
2	Stellarator Turbulence: Subdominant Eigenmodes and Quasilinear Modeling. Physical Review Letters, 2016, 116, 085001.	7.8	34
3	Theory of ITG turbulent saturation in stellarators: Identifying mechanisms to reduce turbulent transport. Physics of Plasmas, 2018, 25, .	1.9	29
4	Gyrokinetic studies of trapped electron mode turbulence in the Helically Symmetric eXperiment stellarator. Physics of Plasmas, 2015, 22, .	1.9	26
5	Saturation scalings of toroidal ion temperature gradient turbulence. Physics of Plasmas, 2018, 25, .	1.9	26
6	Stellarator microinstabilities and turbulence at low magnetic shear. Journal of Plasma Physics, 2018, 84, .	2.1	26
7	TEM turbulence optimisation in stellarators. Plasma Physics and Controlled Fusion, 2016, 58, 014006.	2.1	21
8	Modeling of energetic particle transport in optimized stellarators. Nuclear Fusion, 2021, 61, 116060.	3.5	20
9	Advancing the physics basis for quasi-helically symmetric stellarators. Journal of Plasma Physics, 2020, 86, .	2.1	17
10	Turbulent optimization of toroidal configurations. Plasma Physics and Controlled Fusion, 2014, 56, 094001.	2.1	14
11	Braid Entropy of Two-Dimensional Turbulence. Scientific Reports, 2016, 5, 18564.	3.3	13
12	A comparison of turbulent transport in quasi-helical and a quasi-axisymmetric stellarator. Journal of Plasma Physics, 2019, 85, .	2.1	12
13	Turbulence mitigation in maximum-J stellarators with electron-density gradient. Journal of Plasma Physics, 2022, 88, .	2.1	11
14	Profile stiffness measurements in the Helically Symmetric experiment and comparison to nonlinear	1.9	10
15	Effect of triangularity on ion-temperature-gradient-driven turbulence. Physics of Plasmas, 2022, 29, .	1.9	9
16	Local anisotropy of laboratory two-dimensional turbulence affects pair dispersion. Physics of Fluids, 2019, 31, 025111.	4.0	7
17	Kinetic-ballooning-mode turbulence in low-average-magnetic-shear equilibria. Journal of Plasma Physics, 2021, 87, .	2.1	6
18	Improving the stellarator through advances in plasma theory. Nuclear Fusion, 2022, 62, 042012.	3.5	5