

# Aaron Bader

## List of Publications by Year in descending order

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times ranked

136  
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#	ARTICLE	IF	CITATIONS
1	Improving the stellarator through advances in plasma theory. Nuclear Fusion, 2022, 62, 042012.	3.5	5
2	Impurity transport studies at the HSX stellarator using active and passive CVI spectroscopy. Plasma Physics and Controlled Fusion, 2022, 64, 015008.	2.1	4
3	Constrained stellarator coil curvature optimization with FOCUS. Journal of Plasma Physics, 2021, 87, .	2.1	6
4	Modeling of energetic particle transport in optimized stellarators. Nuclear Fusion, 2021, 61, 116060.	3.5	20
5	Advancing the physics basis for quasi-helically symmetric stellarators. Journal of Plasma Physics, 2020, 86, .	2.1	17
6	Optimization of finite-build stellarator coils. Journal of Plasma Physics, 2020, 86, .	2.1	8
7	Stellarator equilibria with reactor relevant energetic particle losses. Journal of Plasma Physics, 2019, 85, .	2.1	36
8	An adjoint method for gradient-based optimization of stellarator coil shapes. Nuclear Fusion, 2018, 58, 076015.	3.5	26
9	Minimum magnetic curvature for resilient divertors using Compact Toroidal Hybrid geometry. Plasma Physics and Controlled Fusion, 2018, 60, 054003.	2.1	5
10	HSX as an example of a resilient non-resonant divertor. Physics of Plasmas, 2017, 24, .	1.9	18
11	Impact of 3D magnetic field structure on boundary and divertor plasmas in stellarator/heliotron devices. Journal of Nuclear Materials, 2015, 463, 2-10.	2.7	6