David Coulette

List of Publications by Year
in descending order

14	119	1478505 6	1281871 11
papers	citations	h-index	g-index

14	14	14	162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An axially propagating two-stream instability in the Hall thruster plasma. Physics of Plasmas, 2014, 21, .	1.9	29
2	Kinetic simulations of the Chodura and Debye sheaths for magnetic fields with grazing incidence. Plasma Physics and Controlled Fusion, 2016, 58, 025008.	2.1	24
3	High-order implicit palindromic discontinuous Galerkin method for kinetic-relaxation approximation. Computers and Fluids, 2019, 190, 485-502.	2.5	14
4	Numerical comparisons of gyrokinetic multi-water-bag models. Journal of Computational Physics, 2013, 248, 1-32.	3.8	12
5	An Eulerian Vlasov code for plasma-wall interactions. Journal of Physics: Conference Series, 2014, 561, 012005.	0.4	11
6	Collisionless â€œthermalizationâ€•in the sheath of an argon discharge. Physics of Plasmas, 2015, 22, .	1.9	8
7	Effect of collisional temperature isotropisation on ELM parallel transport in a tokamak scrape-off layer. Plasma Physics and Controlled Fusion, 2016, 58, 085004.	2.1	5
8	Task-Based Parallelization of an Implicit Kinetic Scheme. ESAIM Proceedings and Surveys, 2018, 63, 60-77.	0.4	5
9	Implicit time schemes for compressible fluid models based on relaxation methods. Computers and Fluids, 2019, 188, 70-85.	2.5	5
10	Multi-water-bag models of ion temperature gradient instability in cylindrical geometry. Physics of Plasmas, 2013, 20, 052107.	1.9	2
11	Palindromic Discontinuous Galerkin Method. Springer Proceedings in Mathematics and Statistics, 2017, , 171-178.	0.2	2
12	A Multi Water Bag model of drift kinetic electron plasma. European Physical Journal D, 2014, 68, 1.	1.3	1
13	Asymptotic and spectral analysis of the gyrokinetic-waterbag integro-differential operator in toroidal geometry. Journal of Mathematical Physics, 2016, 57, 081518.	1.1	1
14	Numerical resolution of the global eigenvalue problem for the gyrokinetic-waterbag model in toroidal geometry. Journal of Plasma Physics, 2017, 83, .	2.1	0