

Scott Kruger

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

276
citations

933447

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1058476

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g-index

16
all docs

16
docs citations

16
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational modeling of fully ionized magnetized plasmas using the fluid approximation. Physics of Plasmas, 2006, 13, 058103.	1.9	48
2	Edge localized linear ideal magnetohydrodynamic instability studies in an extended-magnetohydrodynamic code. Physics of Plasmas, 2010, 17, 032103.	1.9	42
3	Generalized reduced magnetohydrodynamic equations. Physics of Plasmas, 1998, 5, 4169-4182.	1.9	34
4	Nonlocal closures for plasma fluid simulations. Physics of Plasmas, 2004, 11, 2419-2426.	1.9	34
5	Heuristic closures for numerical simulations of neoclassical tearing modes. Physics of Plasmas, 2002, 9, 536-547.	1.9	27
6	Dynamics of the major disruption of a DIII-D plasma. Physics of Plasmas, 2005, 12, 056113.	1.9	25
7	The impact of collisionality, FLR, and parallel closure effects on instabilities in the tokamak pedestal: Numerical studies with the NIMROD code. Physics of Plasmas, 2016, 23, 062123.	1.9	14
8	Verification of continuum drift kinetic equation solvers in NIMROD. Physics of Plasmas, 2015, 22, 032511.	1.9	13
9	Toward performance-portable PETSc for GPU-based exascale systems. Parallel Computing, 2021, 108, 102831.	2.1	13
10	MHD modeling of a DIII-D low-torque QH-mode discharge and comparison to observations. Physics of Plasmas, 2017, 24, .	1.9	11
11	A parametric study of the drift-tearing mode using an extended-magnetohydrodynamic model. Physics of Plasmas, 2014, 21, 102113.	1.9	5
12	The relationship between flux coordinates and equilibrium-based frames of reference in fusion theory. Physics of Plasmas, 2019, 26, .	1.9	5
13	Effect of scrape-off-layer current on reconstructed tokamak equilibrium. Physics of Plasmas, 2017, 24, .	1.9	3
14	Growing neoclassical tearing modes seeded via transient-induced-multimode interactions. Physics of Plasmas, 2022, 29, 022507.	1.9	2