

A Y Aydemir

List of Publications by Year in descending order

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papers

592
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687363

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all docs

20
docs citations

20
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear studies of $m=1$ modes in high-temperature plasmas. Physics of Fluids B, 1992, 4, 3469-3472.	1.7	159
2	Sustained Self-Reversal in the Reversed-Field Pinch. Physical Review Letters, 1984, 52, 930-933.	7.8	68
3	Toroidal studies of sawtooth oscillations in tokamaks. Physics of Fluids B, 1989, 1, 774-787.	1.7	66
4	Magnetohydrodynamic modes driven by anomalous electron viscosity and their role in fast sawtooth crashes. Physics of Fluids B, 1990, 2, 2135-2142.	1.7	48
5	Mechanism for rapid sawtooth crashes in tokamaks. Physical Review Letters, 1987, 59, 649-652.	7.8	47
6	Internal magnetic and electrostatic fluctuation measurements of magnetohydrodynamic modes in the Texas Experimental Tokamak (TEXT). Physics of Fluids B, 1993, 5, 1576-1580.	1.7	34
7	Linear studies of $m=1$ modes in high-temperature plasmas with a four-field model. Physics of Fluids B, 1991, 3, 3025-3032.	1.7	27
8	Steady State Tokamak Equilibria without Current Drive. Physical Review Letters, 1997, 79, 3652-3655.	7.8	27
9	Theory of Enhanced Reversed Shear Mode in Tokamaks. Physical Review Letters, 1998, 80, 5353-5356.	7.8	22
10	Shear flows at the tokamak edge and their interaction with edge-localized modes. Physics of Plasmas, 2007, 14, 056118.	1.9	21
11	Shear Flows at the Tokamak Edge and Their Role in Core Rotation and the $L \rightarrow H$ Transition. Physical Review Letters, 2007, 98, 225002.	7.8	17
12	On resistive magnetohydrodynamic studies of sawtooth oscillations in tokamaks. Physics of Plasmas, 2015, 22, 032304.	1.9	15
13	Bifurcation and Relaxation of Radial Electric Field in Enhanced Reversed Shear Tokamak Plasmas. Physical Review Letters, 1999, 83, 3840-3843.	7.8	13
14	Nonlinear $m=1$ Mode and Fast Reconnection in Collisional Plasmas. Physical Review Letters, 1997, 78, 4406-4409.	7.8	8
15	Long-lived pressure-driven coherent structures in KSTAR plasmas. Physics of Plasmas, 2016, 23, 052511.	1.9	6
16	Effects of liquid metal walls on equilibrium and stability in tokamaks. Physics of Plasmas, 2001, 8, 3411-3418.	1.9	5
17	Destabilization of Alfvén-resonant modes by resistivity and diamagnetic drifts. Physics of Fluids, 1987, 30, 4.	1.4	4
18	Driven reconnection in a quadrupole cusp field. Physics of Plasmas, 2005, 12, 080706.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Neoclassical toroidal plasma viscosity in the vicinity of the magnetic axis in tokamaks with broken symmetry. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	1
20	Effect of poloidal density asymmetries on shear flows and radial electric field at the plasma edge. <i>Physics of Plasmas</i> , 2018, 25, 050702.	1.9	0