

# A Y Aydemir

## List of Publications by Year in descending order

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20  
papers

592  
citations

687363

13  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

347  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Mechanism for rapid sawtooth crashes in tokamaks. <i>Physical Review Letters</i> , 1987, 59, 649-652.	7.8	47
20	Sustained Self-Reversal in the Reversed-Field Pinch. <i>Physical Review Letters</i> , 1984, 52, 930-933.	7.8	68