

# Pavol Pavlo

## List of Publications by Year in descending order

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20  
papers

233  
citations

1307594

7  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Stability Analysis of Thermo-Lattice Boltzmann Models. Journal of Computational Physics, 1998, 139, 79-91.	3.8	43
2	Higher Order Isotropic Velocity Grids in Lattice Methods. Physical Review Letters, 1998, 80, 3960-3963.	7.8	38
3	Thermal Lattice-Boltzmann Models (TLBM) for Compressible Flows. International Journal of Modern Physics C, 1998, 09, 1247-1261.	1.7	38
4	Thermal lattice Boltzmann simulations of variable Prandtl number turbulent flows. Physical Review E, 1998, 57, 4227-4237.	2.1	33
5	Theory of fast particle generation in front of LH grills. Plasma Physics and Controlled Fusion, 2011, 53, 054016.	2.1	18
6	Thermal lattice Boltzmann simulation for multispecies fluid equilibration. Physical Review E, 2000, 62, 507-516.	2.1	16
7	Title is missing!. Journal of Statistical Physics, 2002, 107, 499-519.	1.2	11
8	Electron Bernstein wave-X <sup>o</sup> mode conversion and electron cyclotron emission in MAST. Review of Scientific Instruments, 2003, 74, 1437-1440.	1.3	7
9	Electron Bernstein wave simulations and comparison to preliminary NSTX emission data. Review of Scientific Instruments, 2006, 77, 10F524.	1.3	7
10	Influence of antenna aiming on ECE in MAST. Review of Scientific Instruments, 2004, 75, 3804-3806.	1.3	6
11	Effect of velocity shear on a strong temperature gradient a lattice Boltzmann approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 202, 376-382.	2.1	4
12	Determination of eddy transport coefficients in thermo-lattice Boltzmann modeling of two-dimensional turbulence. European Physical Journal D, 1996, 46, 1063-1083.	0.4	4
13	Anomalous impurity diffusion in models of tokamak edge plasma turbulence. European Physical Journal D, 2004, 54, C157-C163.	0.4	2
14	Anomalous Ion Diffusion and Radial-Electric-Field Generation in a Turbulent Edge Plasma Potential Weakly Correlated in Time and Space. Physica Scripta, 2005, 72, 327-332.	2.5	2
15	Lattice Boltzmann representation of neutral turbulence in the cold gas blanket divertor regime. European Physical Journal D, 1998, 48, 953-962.	0.4	1
16	Preliminary studies for the gas blanket divertor A thermal lattice Boltzmann approach. European Physical Journal D, 1998, 48, 369-374.	0.4	1
17	Simulations of anomalous ion diffusion in experimentally measured turbulent potential. European Physical Journal D, 2009, 54, 399-407.	1.3	1
18	Parallelization and MPI Performance of Thermal Lattice Boltzmann Codes for Fluid Turbulence. , 2000, 423-430.		1

#	ARTICLE	IF	CITATIONS
19	Interpretation of measured data and the resolution analysis of the RTP 4-channel pulsed radar. European Physical Journal D, 1993, 43, 51-61.	0.4	0
20	Evolution of a neutral-ion 2 fluid system using thermal lattice Boltzmann model. European Physical Journal D, 2000, 50, 47-50.	0.4	0