

# Maxim A Tereshchenko

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

126  
citations

1478505

6  
h-index

1372567

10  
g-index

23  
all docs

23  
docs citations

23  
times ranked

104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Simulations of EC Plasma Heating and Current Drive in the L-2M Stellarator. Plasma Physics Reports, 2002, 28, 539-548.	0.9	16
2	Electron Bernstein Wave Heating Calculations for TJ-II Plasmas. Fusion Science and Technology, 2004, 46, 327-334.	1.1	13
3	The use of Doppler reflectometry in the L-2M stellarator. Plasma Physics Reports, 2005, 31, 554-561.	0.9	13
4	Status of the TJ-II Electron Bernstein Waves heating project. Fusion Engineering and Design, 2005, 74, 325-329.	1.9	11
5	Two-slope soft X-ray spectra observed in experiments on electron cyclotron resonance plasma heating in the L-2M stellarator. Plasma Physics Reports, 2017, 43, 599-604.	0.9	10
6	Plasma confinement during ECR heating with a volume power density of $3 \text{ mW/m}^3$ at the L-2M stellarator. Journal of Physics: Conference Series, 2017, 907, 012016.	0.4	7
7	The Design of an Electron Bernstein Wave Heating System for the TJ-II Stellarator. Fusion Science and Technology, 2004, 46, 335-341.	1.1	6
8	Application of Gabor expansion to beam-tracing problems in inhomogeneous plasmas. Plasma Physics and Controlled Fusion, 2013, 55, 115011.	2.1	6
9	Comparison of different models for EBCD calculation in the TJ-II Stellarator. Plasma Physics and Controlled Fusion, 2010, 52, 065007.	2.1	5
10	Dynamics of flows and confinement in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 104016.	3.5	5
11	Propagation of microwave beams through the stagnation zone in an inhomogeneous plasma. Plasma Physics Reports, 2017, 43, 18-28.	0.9	5
12	Dynamic Simulation of the Electron Bernstein Wave Heating Under NBI Conditions in TJ-II Plasmas. Contributions To Plasma Physics, 2011, 51, 83-91.	1.1	4
13	Studies of the fast ion energy spectra in TJ-II. Physics of Plasmas, 2013, 20, 022507.	1.9	4
14	Displacement of the electron cyclotron resonance heating region and time evolution of the characteristics of short-wavelength turbulence in the 3D magnetic configuration of the L-2M stellarator. Plasma Physics Reports, 2014, 40, 769-780.	0.9	4
15	Numerical simulations of ECE spectra under the L-2M experimental conditions. Plasma Physics Reports, 2006, 32, 729-736.	0.9	3
16	Simulations of fast ions distribution in stellarators based on coupled Monte Carlo fuelling and orbit codes. Plasma Physics and Controlled Fusion, 2013, 55, 085014.	2.1	3
17	Second harmonic ECRH breakdown: a theoretical insight and comparison to experimental results from L-2M. Plasma Physics and Controlled Fusion, 2018, 60, 125003.	2.1	3
18	Decrease in the Mode Purity of Microwave Beams in the L-2M Stellarator Peripheral Plasma. Bulletin of the Lebedev Physics Institute, 2020, 47, 399-404.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Microwave Beam Bifurcation in an Inhomogeneous Plasma: Modeling by Ray Methods. Plasma Physics Reports, 2020, 46, 740-745.	0.9	2
20	Electric Currents Induced upon Creation and Heating of Plasma by Means of Electron Cyclotron Resonance in L-2M Stellarator. Plasma Physics Reports, 2022, 48, 183-192.	0.9	2
21	High power characterisation of the ECRH transmission lines and power deposition calculations in the TJ-II stellarator. Fusion Engineering and Design, 2020, 161, 112065.	1.9	1
22	Properties of the drift trajectories of oppositely propagating particles in a stellarator with a magnetic shear. Plasma Physics Reports, 2009, 35, 1005-1012.	0.9	0
23	SUMMARY OF EBW THEORETICAL CALCULATIONS IN THE TJ-II STELLARATOR. , 2009, , .		0