

Alexander Yashin

List of Publications by Year in descending order

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253
citing authors

#	ARTICLE	IF	CITATIONS
1	Globus-M results as the basis for a compact spherical tokamak with enhanced parameters Globus-M2. Nuclear Fusion, 2013, 53, 093013.	3.5	58
2	Review of Globus-M spherical tokamak results. Nuclear Fusion, 2015, 55, 104016.	3.5	44
3	Observation of filaments on the globus-M tokamak by Doppler reflectometry. Technical Physics Letters, 2011, 37, 340-343.	0.7	27
4	Physics of GAM-initiated H transition in a tokamak. Plasma Physics and Controlled Fusion, 2017, 59, 014037.	2.1	25
5	Investigation of beam and wave-plasma interactions in spherical tokamak Globus-M. Nuclear Fusion, 2011, 51, 103019.	3.5	24
6	Geodesic acoustic mode investigation in the spherical Globus-M tokamak using multi-diagnostic approach. Nuclear Fusion, 2016, 56, 016017.	3.5	24
7	Geodesic acoustic mode observations in the Globus-M spherical tokamak. Nuclear Fusion, 2014, 54, 114015.	3.5	23
8	Thermal energy confinement at the Globus-M spherical tokamak. Nuclear Fusion, 2019, 59, 066032.	3.5	23
9	The effect of increasing toroidal magnetic field in the Globus-M spherical tokamak. Nuclear Fusion, 2018, 58, 126029.	3.5	22
10	Globus-M plasma physics research for fusion application and compact neutron source development. Plasma Physics and Controlled Fusion, 2016, 58, 014032.	2.1	21
11	Multi-diagnostic approach to geodesic acoustic mode study. Journal of Instrumentation, 2015, 10, P10023-P10023.	1.2	20
12	Detection of Alfvén Oscillations on the Globus-M Tokamak Using the Doppler Backscattering Method. Technical Physics Letters, 2017, 43, 1067-1070.	0.7	19
13	Phenomena of limit-cycle oscillations in the Globus-M spherical tokamak. Nuclear Fusion, 2018, 58, 112009.	3.5	19
14	GAM observation in the TUMAN-3M tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 045006.	2.1	18
15	Fusion Research in Ioffe Institute. Nuclear Fusion, 2015, 55, 104013.	3.5	17
16	The study of filaments by the Doppler backscattering method in the $\tilde{\text{Globus-M}}^{\text{TM}}$ tokamak. Nuclear Fusion, 2019, 59, 096026.	3.5	15
17	Energy confinement in the spherical tokamak Globus-M2 with a toroidal magnetic field reaching 0.8 T. Nuclear Fusion, 2022, 62, 016011.	3.5	15
18	The Globus-M2 spherical tokamak: the first results. Journal of Physics: Conference Series, 2018, 1094, 012001.	0.4	14

#	ARTICLE	IF	CITATIONS
19	Observation of geodesic acoustic modes in the Globus-M spherical Tokamak. Technical Physics Letters, 2014, 40, 375-377.	0.7	12
20	Toroidal Alfvén Modes in the Plasma of the Globus-M Spherical Tokamak. Plasma Physics Reports, 2019, 45, 723-731.	0.9	12
21	Tokamak research at the Ioffe Institute. Nuclear Fusion, 2019, 59, 112022.	3.5	12
22	Recent Doppler backscattering applications in Globus-M tokamak. Journal of Instrumentation, 2019, 14, C10025-C10025.	1.2	9
23	Doppler backscattering diagnostic with dual homodyne detection on the Globus-M compact spherical tokamak. Review of Scientific Instruments, 2021, 92, 033539.	1.3	9
24	Application of the Multifrequency Doppler Backscattering Method for Studying Alfvén Modes at a Tokamak. Technical Physics Letters, 2019, 45, 1107-1110.	0.7	8
25	Review of Advanced Implementation of Doppler Backscattering Method in Globus-M. Applied Sciences (Switzerland), 2021, 11, 8975.	2.5	8
26	Formation of internal transport barriers in Globus-M tokamak in regime with early neutral heating beam switch-on. Technical Physics Letters, 2011, 37, 1127-1131.	0.7	7
27	Simulations of peeling-ballooning modes in the Globus-M tokamak. Journal of Physics: Conference Series, 2018, 1094, 012002.	0.4	6
28	Investigations of Alfvén Modes at the Globus-M2 Tokamak Using a V-Band Multifrequency Doppler Reflectometer. Technical Physics Letters, 2021, 47, 197-200.	0.7	6
29	Observation of quasi-coherent fluctuations in the Globus-M spherical tokamak. Nuclear Fusion, 2021, 61, 092001.	3.5	6
30	Study of Turbulence in the Globus-M Tokamak Plasma during the Transition to the ELM-free H-mode. Plasma Physics Reports, 2020, 46, 683-688.	0.9	5
31	The model of synchronization between internal reconnections and edge-localized modes. Plasma Physics and Controlled Fusion, 2021, 63, 122001.	2.1	5
32	Particle source and radial electric field shear as the factors affecting the LH-transition possibility and dynamics in a tokamak. Physica Scripta, 2020, 95, 115604.	2.5	4
33	Application of Doppler Backscattering for Alfvén Mode Study on the Globus-M Spherical Tokamak. Physics of Atomic Nuclei, 2020, 83, 1124-1130.	0.4	4
34	First Observations of Alfvén Cascades on the Globus-M2 Tokamak and Their Application for Minimal Safety Factor Value Analysis. Technical Physics Letters, 2020, 46, 1157-1161.	0.7	4
35	Bicoherence analysis of geodesic acoustic modes in the Tuman-3M and Globus-M Tokamaks. Technical Physics Letters, 2015, 41, 366-369.	0.7	3
36	Effect of collisionality on the microinstabilities in the Globus-M spherical tokamak. Journal of Physics: Conference Series, 2019, 1383, 012003.	0.4	2

#	ARTICLE	IF	CITATIONS
37	The ELM triggering by sawtooth oscillations. AIP Conference Proceedings, 2019, , .	0.4	2
38	Study of turbulence in the Globus-M tokamak plasma during the transition to the ELM-free H-mode. AIP Conference Proceedings, 2019, , .	0.4	2
39	Study of turbulence spectra in a spherical tokamak plasma. Journal of Physics: Conference Series, 2019, 1400, 077036.	0.4	1
40	LH-transition initiation and dynamics in a conventional tokamak. AIP Conference Proceedings, 2019, , .	0.4	0
41	Observations of filaments at the TUMAN-3M tokamak. Journal of Physics: Conference Series, 2019, 1383, 012008.	0.4	0
42	Multi-Diagnostic Approach To Geodezic Acoustic Mode Study. , 2016, , .		0