

Alexander Yashin

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

555
citations

567281

15
h-index

677142

22
g-index

42
all docs

42
docs citations

42
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Doppler backscattering diagnostic with dual homodyne detection on the Globus-M compact spherical tokamak. Review of Scientific Instruments, 2021, 92, 033539.	1.3	9
4	Observation of quasi-coherent fluctuations in the Globus-M spherical tokamak. Nuclear Fusion, 2021, 61, 092001.	3.5	6
5	Review of Advanced Implementation of Doppler Backscattering Method in Globus-M. Applied Sciences (Switzerland), 2021, 11, 8975.	2.5	8
6	The model of synchronization between internal reconnections and edge-localized modes. Plasma Physics and Controlled Fusion, 2021, 63, 122001.	2.1	5
7	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
8	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
9	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
10	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
11	Toroidal Alfvén Modes in the Plasma of the Globus-M Spherical Tokamak. Plasma Physics Reports, 2019, 45, 723-731.	0.9	12
12	The study of filaments by the Doppler backscattering method in the "Globus-M" tokamak. Nuclear Fusion, 2019, 59, 096026.	3.5	15
13	Recent Doppler backscattering applications in Globus-M tokamak. Journal of Instrumentation, 2019, 14, C10025-C10025.	1.2	9
14	Tokamak research at the Ioffe Institute. Nuclear Fusion, 2019, 59, 112022.	3.5	12
15	Thermal energy confinement at the Globus-M spherical tokamak. Nuclear Fusion, 2019, 59, 066032.	3.5	23
16	Effect of collisionality on the microinstabilities in the Globus-M spherical tokamak. Journal of Physics: Conference Series, 2019, 1383, 012003.	0.4	2
17	LH-transition initiation and dynamics in a conventional tokamak. AIP Conference Proceedings, 2019, , .	0.4	0
18	Study of turbulence spectra in a spherical tokamak plasma. Journal of Physics: Conference Series, 2019, 1400, 077036.	0.4	1

#	ARTICLE	IF	CITATIONS
19	The ELM triggering by sawtooth oscillations. AIP Conference Proceedings, 2019, , .	0.4	2
20	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
21	Observations of filaments at the TUMAN-3M tokamak. Journal of Physics: Conference Series, 2019, 1383, 012008.	0.4	0
22	Application of the Multifrequency Doppler Backscattering Method for Studying Alfvén Modes at a Tokamak. Technical Physics Letters, 2019, 45, 1107-1110.	0.7	8
23	Simulations of peeling-ballooning modes in the Globus-M tokamak. Journal of Physics: Conference Series, 2018, 1094, 012002.	0.4	6
24	The Globus-M2 spherical tokamak: the first results. Journal of Physics: Conference Series, 2018, 1094, 012001.	0.4	14
25	The effect of increasing toroidal magnetic field in the Globus-M spherical tokamak. Nuclear Fusion, 2018, 58, 126029.	3.5	22
26	Phenomena of limit-cycle oscillations in the Globus-M spherical tokamak. Nuclear Fusion, 2018, 58, 112009.	3.5	19
27	Physics of GAM-initiated L-H transition in a tokamak. Plasma Physics and Controlled Fusion, 2017, 59, 014037.	2.1	25
28	Detection of Alfvén Oscillations on the Globus-M Tokamak Using the Doppler Backscattering Method. Technical Physics Letters, 2017, 43, 1067-1070.	0.7	19
29	Geodesic acoustic mode investigation in the spherical Globus-M tokamak using multi-diagnostic approach. Nuclear Fusion, 2016, 56, 016017.	3.5	24
30	GAM observation in the TUMAN-3M tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 045006.	2.1	18
31	Globus-M plasma physics research for fusion application and compact neutron source development. Plasma Physics and Controlled Fusion, 2016, 58, 014032.	2.1	21
32	Multi-Diagnostic Approach To Geodesic Acoustic Mode Study. , 2016, , .		0
33	Multi-diagnostic approach to geodesic acoustic mode study. Journal of Instrumentation, 2015, 10, P10023-P10023.	1.2	20
34	Bicoherence analysis of geodesic acoustic modes in the Tuman-3M and Globus-M Tokamaks. Technical Physics Letters, 2015, 41, 366-369.	0.7	3
35	Fusion Research in Ioffe Institute. Nuclear Fusion, 2015, 55, 104013.	3.5	17
36	Review of Globus-M spherical tokamak results. Nuclear Fusion, 2015, 55, 104016.	3.5	44

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37	Geodesic acoustic mode observations in the Globus-M spherical tokamak. Nuclear Fusion, 2014, 54, 114015.	3.5	23
38	Observation of geodesic acoustic modes in the Globus-M spherical Tokamak. Technical Physics Letters, 2014, 40, 375-377.	0.7	12
39	Globus-M results as the basis for a compact spherical tokamak with enhanced parameters Globus-M2. Nuclear Fusion, 2013, 53, 093013.	3.5	58
40	Observation of filaments on the globus-M tokamak by Doppler reflectometry. Technical Physics Letters, 2011, 37, 340-343.	0.7	27
41	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
42	Investigation of beam and wave-plasma interactions in spherical tokamak Globus-M. Nuclear Fusion, 2011, 51, 103019.	3.5	24