

**CONTENTS (2020, Volume 43, Issue 3)**

<i>Morozov V.A., Shcherbak A.N., Mirnov S.V.</i> <a href="#">Alternative possibility in the technology of initial preparation of a tokamak chamber for a plasma experiment on the example of TSP and T-11M</a> .....	5
<i>Blokhin A.I., Chernov V.M.</i> <a href="#">Nuclear physical properties of austenitic nickel and manganese steels under neutron irradiation in nuclear fission (fast) and fusion reactors</a> .....	11
<i>Afanasenko R.S., Alekseev A.G., Kuteev B.V., Morozov A.A., Vukolov D.K., Kozlov A.M.</i> <a href="#">Nuclear heat loads to the first mirror unit of H-alpha diagnostic in the ITER equatorial #12 port</a> .....	24
<i>Sytников V.E., Lelehov S.A.</i> <a href="#">New high-temperature superconducting cable-in-conduit conductor design for large magnets application</a> .....	31
<i>Krivykh A.V., Polyakov A.V.</i> <a href="#">Electromechanical properties of HTSC-2G wire with AISI 310S stainless steel substrate in liquid helium and nitrogen</a> .....	41
<i>Vasina Ya.A., Djurik A.S., Prishvitsyn A.S., Mirnov S.V., Lazarev V.B.</i> <a href="#">Optimization of the technological system of a closed lithium circuit at T-11M tokamak</a> .....	47
<i>Khvostenko P.P., Bondarchuk E.N., Kavin A.A., Leonov V.M., Chudnovskiy A.N.</i> <a href="#">Calculations of settings in the protection and blocking circuits of the power supply system of electromagnetic windings and the duration of plasma discharges in T-15MD tokamak</a> .....	60
<i>Krat S.A., Vasina Ya.A., Prishvitsyn A.S., Fefelova E.A., Popova M.A., Gasparyn Yu.M., Pisarev A.A.</i> <a href="#">Substitution of heavy hydrogen isotopes in tungsten layers during gas exposure</a> .....	71
<i>Vasilkov D.G., Batanov G.M., Borzosekov V.D., Vafin I.Yu., Grebenshchikov S.E., Grishina I.A., Ivanov V.A., Letunov A.A., Logvinenko V.P., Meshcheryakov A.I., Petrova M.N., Stepakhin V.D., Kharchev N.K., Kholnov Yu.V.</i> <a href="#">Pulse-periodic ECR-heating plasma mode in L-2M stellarator</a> .....	79
<i>Kirneva N.A., Vorobjev G.M., Ganin S.A., Drozd A.S., Kudashev I.S., Kulagin V.V., Kurnaev V.A.</i> <a href="#">Working area of the MEPHIST tokamak: preliminar estimation</a> .....	90
<i>Cherkez D.I., Bobyr N.P., Spitsyn A.V., Ananyev S.S.</i> <a href="#">The design of the plasma facility based on RF-source helicon type for studying the plasma-materials interaction</a> .....	101
<i>Amirov V.Kh., Gorbovskiy A.I., Davydenko V.I., Deychuli P.P., Ivanov A.A., Kapitonov V.A., Mishagin V.V., Sorokin A.V., Shikhovtsev I.V.</i> <a href="#">Ion-optical system with ballistic focusing of a powerful deuterium atom beam injector for plasma heating</a> .....	111
<a href="#">In Memoriam of Vladimir Sergeevich Vojtsenya</a> (brief overview) .....	118
<a href="#">In Memoriam of Vyacheslav Sergeevich Strelkov</a> (brief overview) .....	120