

Список основных публикаций д.ф.-м.н. К. Ю. Вуколова с 2012 года:

1. A. B. Kukushkin, V. S. Lisitsa, M. B. Kadomtsev, M. G. Levashova, V. S. Neverov, V. A. Shurygin, V. Kotov, A. S. Kukushkin, S. Lisgo, A. G. Alekseev, A. V. Gorshkov, D. K. Vukolov, K.Yu. Vukolov, E. Veshchev. Theoretical Issues of High Resolution H- $\alpha$  Spectroscopy Measurements in ITER. Proc. 24th IAEA Fusion Energy Conference, San Diego, USA. 8-13 October 2012, ITR/P5-44.  
[http://www-naweb.iaea.org/napc/physics/FEC/FEC2012/papers/514\\_ITRP544.pdf](http://www-naweb.iaea.org/napc/physics/FEC/FEC2012/papers/514_ITRP544.pdf)
2. A. G. Barsukov, K. Yu. Vukolov, A. Yu. Dnestrovskij, L. A. Klyuchnikov, K. V. Korobov, V. A. Krupin, N. N. Naumenko, A. R. Nemes, S. N. Tugarinov. Measurements of ion temperature of plasma via CXRS at T-10. In proc. of 39th EPS Conference & 16th Int. Congress on Plasma Physics, Spain 2012 P.1-090 (2012) 4 p.  
<http://ocs.ciemat.es/epsicpp2012pap/pdf/>
3. K. Yu. Vukolov, T. R. Mukhammedzyanov, E. N. Andreenko, I. I. Arkhipov, I. I. Orlovskiy, A.M. Tobengauz, D.K. Vukolov, Plasma tests of diagnostic mirrors for ITER purposes, Fusion Engineering and Design, Volume 88, Issues 6–8, October 2013, P. 1280–1283, <http://dx.doi.org/10.1016/j.fusengdes.2013.03.015>
4. I. Orlovskiy, E. Andreenko, K. Vukolov, T. Mukhammedzyanov, A. Tobengauz, Broadband dielectric mirrors for optical diagnostics in ITER, Fusion Engineering and Design, Volume 88, Issues 6–8, October 2013, Pages 1284–1287, <http://dx.doi.org/10.1016/j.fusengdes.2013.01.072>
5. I. I. Orlovskiy, K.Yu. Vukolov, E. N. Andreenko, T. R. Mukhammedzyanov. Neutron irradiation of modern KU-1 and KS-4V fused silica. J. Nucl. Mater. Volume 442, Issues 1–3, Suppl. 1 November 2013, Pages S508–S510, <http://dx.doi.org/10.1016/j.jnucmat.2013.04.071>
6. I. Arkhipov, N. Klimov, N. Svechnikov, S. Grashin, K. Vukolov, V. Budaev, K. Maslakov, V. Stankevich, A. Zhitlukhin, D. Kovalenko, V. Podkovyrov. Experimental study of contamination and cleaning of in-vessel mirrors for ITER optical diagnostics on T-10 and QSPA-T facilities. Journal of Nuclear Materials 438 (2013) S1160–S1163.
7. K. Yu. Vukolov, I. I. Orlovskiy, A. G. Alekseev, A. A. Borisov, E. N. Andreenko, A. B. Kukushkin, V. S. Lisitsa, V. S. Neverov. Main Challenges for ITER Optical Diagnostics. // International Conference on Fusion Reactor Diagnostics, Varenna, Italy, September 2013. AIP Conference Proceedings 1612, 164 (2014); doi: 10.1063/1.4894046  
<http://scitation.aip.org/content/aip/proceeding/aipcp/1612?ver=pdfcov>

8. Konstantin Vukolov, Andrey Borisov, Natalya Deryabina, Ilya Orlovskiy. Development of ITER diagnostics: neutronic analysis and radiation hardness. — *Fusion Engineering and Design*, 2015, vol. 96–97, pp. 177-180. WOS: 000364255900030. <http://dx.doi.org/10.1016/j.fusengdes.2015.06.153>
9. Ilya Orlovskiy, Andrey Alekseev, Evgeniy Andreenko, Konstantin Vukolov, Vladimir Denisov, Andrey Klyatskin, Anatoliy Lukin, Andrey Melnikov, Eduard Muslimov. Thermal testing of the first mirror unit mock-up for H-alpha and visible spectroscopy in ITER. — *Fusion Engineering and Design*, 2015, vol. 96–97, pp. 899-902. WOS:000364255900186. <http://dx.doi.org/10.1016/j.fusengdes.2015.02.049>