

Список публикаций Шематовича В.И. за последние 5 лет

- 1) Kinetic Calculations of the Charge Exchange Efficiency for Solar Wind Protons in the Extended Martian Hydrogen Corona, Shematovich V. I., Bisikalo D. V., Astronomy Reports, Volume 64, Issue 10, 2020
- 2) Suprathermal particles in astrochemistry, Shematovich Valeriy I., Russian Chemical Reviews, Volume 88, Issue 10, pp.1013-1045, 2019
- 3) Precipitation of electrons into the Earth's polar atmosphere: test calculations using the kinetic Monte Carlo model, Shematovich V. I., INASAN Science Reports, Vol. 3, pp. 294-299, 2019
- 4) Exoplanets: Atmospheres of Hot Jupiters, Bisikalo Dmitry V., Kaygorodov Pavel V., Shematovich Valery I., Oxford University Press, 2019.
- 5) Monte Carlo Simulations of the Interaction of Fast Proton and Hydrogen Atoms With the Martian Atmosphere and Comparison With In Situ Measurements, Bisikalo D. V., Shematovich V. I., Gérard J. -C., Hubert B., Journal of Geophysical Research: Space Physics, Volume 123, Issue 7, pp. 5850-5861, 2018
- 6) Gas-Dynamical Features of the Envelopes of Contact Binary Stars, Shematovich V. I., Kaigorodov P. V., Bisikalo D. V., Fateeva A. M., Astronomy Reports, Volume 61, Issue 12, pp.1038-1043, 2017
- 7) Influence of photoelectrons on the structure and dynamics of the upper atmosphere of a hot Jupiter, Ionov D. E., Shematovich V. I., Pavlyuchenkov Ya. N., Astronomy Reports, Volume 61, Issue 5, pp.387-392, 2017
- 8) Kinetic Monte Carlo models for the study of chemical reactions in the Earth's upper atmosphere, Turchak L. I., Shematovich V. I., Computational Mathematics and Mathematical Physics, Volume 56, Issue 6, pp.1142-1150, 2016
- 9) Precipitation of electrons into the upper atmosphere of a hot-jupiter exoplanet, Bisikalo D. V., Shematovich V. I., Astronomy Reports, Volume 59, Issue 9, pp.836-842, 2015