

Bibliography from ADS file: *olshevsky.bib*  
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- Lalti, A., Khotyaintsev, Y. V., Dimmock, A. P., et al., "A Database of MMS Bow Shock Crossings Compiled Using Machine Learning", 2022JGRA...12730454L ADS
- Olshevsky, V., Khotyaintsev, Y. V., Lalti, A., et al., "Automated Classification of Plasma Regions Using 3D Particle Energy Distributions", 2021JGRA...126296200 ADS
- Markidis, S., Olshevsky, V., Tóth, G., et al., "Kinetic Modeling in the Magnetosphere", 2021GMS...259..607M ADS
- Olshevsky, V., Pontin, D. I., Williams, B., et al., "A comparison of methods for finding magnetic nulls in simulations and in situ observations of space plasmas", 2020A&A...644A.1500 ADS
- Wang, Z., Fu, H. S., Olshevsky, V., et al., "Extending the FOTE Method to Three-dimensional Plasma Flow Fields", 2020ApJS...249...10W ADS
- Divin, A., Deca, J., Eriksson, A., et al., "A Fully Kinetic Perspective of Electron Acceleration around a Weakly Outgassing Comet", 2020ApJ...889L..33D ADS
- Markidis, S., Chien, S. W. D., & Olshevsky, V., "Accelerating Magnetospheric Modeling with Heterogeneous Hardware", 2019AGUFMSM12B...07M ADS
- Liu, Y. Y., Fu, H. S., Olshevsky, V., et al., "SOTE: A Nonlinear Method for Magnetic Topology Reconstruction in Space Plasmas", 2019ApJS...244...31L ADS
- Pucci, F., Matthaeus, W. H., Chasapis, A., et al., "Generation of Turbulence in Colliding Reconnection Jets", 2018ApJ...867...10P ADS
- Pucci, F., Servidio, S., Sorriso-Valvo, L., et al., "Properties of turbulence in the reconnection exhaust: numerical simulations compared with observations", 2018arXiv181100005P ADS
- Olshevsky, V., Servidio, S., Pucci, F., Primavera, L., & Lapenta, G., "Properties of Decaying Plasma Turbulence at Subproton Scales", 2018ApJ...860...110 ADS
- Ahmadi, T., Divin, A., Deca, J., et al., "Numerical simulation of the solar wind-Moon interaction using 3D Particle-in-Cell (PIC) simulations", 2018EGUGA...2016798A ADS
- Deca, J., Divin, A., Henri, P., et al., "A fully kinetic perspective of electron acceleration around a weakly outgassing comet: Ohm's law", 2018EGUGA...20.6571D ADS
- Lapenta, G., Pucci, F., Olshevsky, V., et al., "Nonlinear waves and instabilities leading to secondary reconnection in reconnection outflows", 2018JPLPh...84a7103L ADS
- Deca, J., Divin, A. V., Henri, P., et al., "Simulating the Solar Wind Interaction with Comet 67P/Churyumov-Gerasimenko: Latest Results", 2017AGUFM.P51D2628D ADS
- Deca, J., Divin, A., Henri, P., et al., "Electron and Ion Dynamics of the Solar Wind Interaction with a Weakly Outgassing Comet", 2017PhRvL.118t5101D ADS
- Pucci, F., Servidio, S., Sorriso-Valvo, L., et al., "Properties of Turbulence in the Reconnection Exhaust: Numerical Simulations Compared with Observations", 2017ApJ...841...60P ADS
- Divin, A., Deca, J., Henri, P., et al., "Three dimensional Particle-in-Cell (PIC) simulations of the 67P environment", 2017EGUGA...19.1556D ADS
- Deca, J., Divin, A., Henri, P., et al., "The Role of Electron Dynamics in the Solar Wind Interaction with Comet 67P/Churyumov-Gerasimenko at 3 AU", 2017LPI...48.1315D ADS
- Fu, H. S., Vaivads, A., Khotyaintsev, Y. V., et al., "Intermittent energy dissipation by turbulent reconnection", 2017GeoRL...44...37F ADS
- Divin, A., Semenov, V., Korovin, D., et al., "A new model for the electron pressure nongyrotropy in the outer electron diffusion region", 2016GeoRL...4310565D ADS
- Olshevsky, V., Deca, J., Divin, A., et al., "Magnetic nulls in three-dimensional kinetic simulations of space plasmas", 2016EGUGA...18.40530 ADS
- Olshevsky, V., Deca, J., Divin, A., et al., "Magnetic Null Points in Kinetic Simulations of Space Plasmas", 2016ApJ...819...520 ADS
- Fu, H., Vaivads, A., Khotyaintsev, Y. V., et al., "How to Find Magnetic Nulls and Reconstruct Field Topology with MMS Data?", 2015AGUFMSM51A2517F ADS
- Lapenta, G., Goldman, M. V., Newman, D. L., & Olshevsky, V., "Where should MMS look for the electron and ion diffusion regions?", 2015AGUFMSH54A...06L ADS
- Deca, J., Olshevsky, V., Divin, A. V., et al., "Null Points in Three-Dimensional Kinetic Simulations of Magnetic Reconnection", 2015AGUFMSH43A2420D ADS
- Olshevsky, V., Divin, A., Eriksson, E., Markidis, S., & Lapenta, G., "Energy Dissipation in Magnetic Null Points at Kinetic Scales", 2015ApJ...807...1550 ADS
- Fu, H. S., Vaivads, A., Khotyaintsev, Y. V., et al., "How to find magnetic nulls and reconstruct field topology with MMS data?", 2015JGRA...120.3758F ADS
- Olshevsky, V., Deca, J., Divin, A., Lapenta, G., & Markidis, S., "Oscillatory patterns in three-dimensional kinetic simulations of space plasma", 2015EGUGA...17.90260 ADS
- Olshevsky, V., Lapenta, G., Markidis, S., & Divin, A., "Role of Z-pinches in magnetic reconnection in space plasmas", 2015JPLPh...81a32050 ADS
- Olshevsky, V., Liang, C., & Ham, F., "Turbulent convection in the Sun: modeling in unstructured meshes", 2014arXiv1412.73180 ADS
- Olshevsky, V., Lapenta, G., Markidis, S., & Divin, A., "Role of Z-pinches in magnetic reconnection in space plasmas", 2014AAS...224409020 ADS
- Olshevsky, V., Lapenta, G., Markidis, S., & Divin, A., "Influence of pinches on magnetic reconnection in turbulent space plasmas", 2014cosp...40E23700 ADS
- Divin, A., Lapenta, G., Markidis, S., et al., "2D collisionless magnetic reconnection: background density dependence", 2014cosp...40E.715D ADS
- Olshevsky, V., Lapenta, G., & Markidis, S., "Energetics of Kinetic Reconnection in a Three-Dimensional Null-Point Cluster", 2013PhRvL.111d50020 ADS
- Lapenta, G., Pierrard, V., Keppens, R., et al., "SWIFF: Space weather integrated forecasting framework", 2013JWSC...3A...05L ADS
- Sanna, L., Lapenta, G., Steed, K., Olshevsky, V., & Restante, A., "Homologous CME: a multispacecraft approach supported by simulations", 2012AGUFMSH51A2212S ADS
- Šebek, O., Trávníček, P. M., Hellinger, P., et al., "Kinetic structure of collisionless reconnection: hybrid simulations", 2012EGUGA...14.8382S ADS
- Parchevsky, K., Kosovichev, A., Khomenko, E., Olshevsky, V., & Collados, M., "Numerical simulation of propagation of the MHD waves in sunspots", 2010HiA...15...354P ADS
- Hammerschlag, R. H., Skomorovsky, V. I., Bettonvil, F. C. M., et al., "The Irkutsk Barium filter for narrow-band wide-field high-resolution solar images at the Dutch Open Telescope", 2010SPIE.7735E...85H ADS
- Parchevsky, K., Kosovichev, A., Khomenko, E., Olshevsky, V., & Collados, M., "Numerical Simulation of Excitation and Propagation of Helioseismic MHD Waves in Magnetostatic Models of Sunspots", 2010arXiv1002.1117P ADS
- Shchukina, N. G., Olshevsky, V. L., & Khomenko, E. V., "The solar Ba II 4554 Å line as a Doppler diagnostic: NLTE analysis in 3D hydrodynamical model", 2009A&A...506.1393S ADS
- Khomenko, E., Kosovichev, A., Collados, M., Parchevsky, K., & Olshevsky, V., "Theoretical Modeling of Propagation of Magnetoacoustic Waves in Magnetic Regions Below Sunspots", 2009ApJ...694..411K ADS
- Olshevsky, V., Khomenko, E., & Collados, M., "Seismology of Sunspots: An Interplay between Temperature and Magnetic Field Structures", 2008ESPM...12...3.20 ADS
- Olshevsky, V., Khomenko, E., & Collados, M., "Numerical modeling of MHD wave propagation in sunspots: a 3D case", 2007msfa.conf...3470 ADS
- Olshevsky, V. L. & Shchukina, N. G., "The Ba II [ $\lambda$ 4554 resonance line and solar granulation", 2007msfa.conf...3070 ADS
- González-García, A. C., Balcells, M., & Olshevsky, V. S., "Line-of-sight velocity distributions of elliptical galaxies from collisionless mergers", 2006MNRAS.372L...78G ADS
- Olshevsky, V. L. & Shchukina, N. G., "Non-LTE Formation of Ba II Resonance Lines", 2006IAUJD...3E...160 ADS
- Olshevsky, V. L., "Granular and Intergranular Oscillations from the Observations of BA II Resonance Line", 2005ESASP.596E...790 ADS
- Olshevsky, V. & Shchukina, N., "Ba II 4554A Resonance Line Formation in the Solar Atmosphere", 2005ysc.conf...710 ADS
- Olshevsky, V. L., "Temperature oscillations in solar photosphere caused by propagation of acoustic-gravity waves of small amplitudes", 2004KFNT...20...3960 ADS