

***Refereed Journals:***

1. Kargaltsev, O. & Pavlov, G. G. “Chandra observation of the relativistic binary J1906+0746”, 2009, *ApJ*, 702, 433
2. Park, S, Kargaltsev, O., Pavlov, G. G., Mori, K., Slane, P. O., Hughes, J. P., Burrows, D. N., & Garmire, G. P. “Nonthermal X-Rays from Supernova Remnant G330.2+1.0 and the Characteristics of its Central Compact Object”, 2009, *ApJ*, 695, 431
3. Kargaltsev O., Pavlov G. G. & Wong J. “Young energetic pulsar J1617-5055 and its underluminous nebula”, 2009, *ApJ*, 690, 891
4. Pavlov, G., Kargaltsev, O., Wong, J. A., & Garmire, G. P. “Detection of X-ray Emission from the Very Old Pulsar J0108-1431”, 2009, *ApJ*, 691, 458
5. Mignani R., Pavlov G., & Kargaltsev, O. “A possible optical counterpart for the old nearby radio pulsar”, 2008, *A&A*, 488, 1027
6. Kargaltsev, O. & Pavlov, G. G. “Pulsar-Wind Nebulae in the Chandra Era”, in Proc. of “40 Years of Pulsars: Millisecond Pulsars, Magnetars and More”, 2008, *AIP Conf. Proc.*, 983, 171
7. Kargaltsev O., Misanovic Z., Pavlov, G., Wong J., and Garmire G. P. “X-ray observations of parsec-scale tails behind two middle-aged pulsars” 2008, *ApJ*, 684, 542
8. Pavlov G. G., Kargaltsev O., & Briskin W. F. “Chandra Observation of PSR B1823-13 and its Pulsar Wind Nebula”, 2008, *ApJ*, 675, 683
9. Kargaltsev, O., Pavlov, G. G., & Garmire, G. P., “HESS J1804-216 in X-rays and at other wavelengths”, 2007, *ApJ*, 670, 643
10. Kargaltsev, O., & Pavlov G. G., “X-ray emission from PSR J1809–1917 and its pulsar wind nebula, possibly associated with the TeV gamma-ray source HESS J1809–193”, 2007, *ApJ*, 670, 655
11. Pavlov, G., Kargaltsev, O., Garmire, G., & Wolszczan, A., “X-ray emission from the planet pulsar B1257+12”, 2007, *ApJ*, 664, 1072
12. Kargaltsev, O., Pavlov, G. G., & Garmire, G. P., “X-ray emission from PSR B1800-21 and its pulsar-wind nebula”, 2007, *ApJ*, 660, 1417
13. Kargaltsev, O., & Pavlov, G., “UV emission from young and middle-aged pulsars”, 2007, *Astrophysics and Space Science*, 308, 287
14. Park, S., Mori, K., Kargaltsev, O., Slane, P. O., Hughes, J. P., Burrows, D. N.; Garmire, G. P., & Pavlov, G. G., “Discovery of a Candidate Central Compact Object in the Galactic Nonthermal SNR G330.2+1.0”, 2006, *ApJ*, 653L, 37
15. Kargaltsev, O., Pavlov, G. G., & Garmire, G. P., “X-ray Emission from the Double Neutron Star Binary J1537+1155”, 2006, *ApJ*, 646, 1139
16. Kargaltsev, O., Pavlov, G. G., & Garmire, G. P., “X-ray Emission from the Nearby PSR B1133+16 and Other Old Pulsars”, 2006, *ApJ*, 636, 406
17. Romani, R. W., Kargaltsev, O., & Pavlov, G. G., “The Vela pulsar in UV”, 2005, *ApJ*, 627, 383

## *Publications by Oleg Kargaltsev*

18. Kargaltsev, O., Pavlov, G. G., Romani R. W., & Zavlin, V. E., “Ultraviolet Emission from the Geminga Pulsar: Connecting X-rays with the Optical”, 2005, *ApJ*, 625, 307
19. Mignani, R. P., Pulone L., Iannicola, G., Pavlov, G. G., Townsley, L., & Kargaltsev, O., "Search for the elusive optical counterpart of PSR J0537-6910 with the HST Advanced Camera for Surveys", 2005, *A&A*, 431, 569
20. Kargaltsev, O., Pavlov, G. G., & Romani, R. W., “Ultraviolet Emission from the Millisecond Pulsar J0437-4715”, 2004, *ApJ*, 602, 327
21. Kargaltsev, O., Pavlov, G. G., Teter, M. A., Sanwal, D., “The jets of the Vela pulsar”, 2003, *New Astronomy Reviews*, 47, 487
22. Mignani, R. P., De Luca, A., Kargaltsev, O., Pavlov G. G., Zaggia S., Caraveo P. A., & Becker W., “Search for the Optical Counterpart of the Vela Pulsar X-ray Nebula”, 2003, *ApJ*, 594, 419
23. Pavlov, G. G., Teter, M. A., Kargaltsev, O., & Sanwal, D., “The Variable Jet of the Vela Pulsar”, 2003, *ApJ*, 591, 1157
24. Kargaltsev, O., Pavlov, G. G., Sanwal, D., & Garmire, G. P., “The Compact Central Source of the SNR G266.2-1.2”, 2002, *ApJ*, 580, 1060
25. Pavlov, G. G., Kargaltsev, O., Sanwal D., & Garmire, G. P., “Variability of the Vela Pulsar Wind Nebula Observed with Chandra”, 2001, *ApJ*, 554, L189

## ***Non-refereed publications:***

1. Paerels, F., Méndez, M., Agueros, M., Baring, M., Barret, D., Bhattacharyya, S., Cackett, E.; Cottam, J., Diaz Trigo, M., Fox, D.; Garcia, M., Gotthelf, E., Hermsen, W., Ho, W., Hurley, K., Konker, P., Juett, A., Kaaret, P., Kargaltsev, O., Lattimer, J., Matt, G., Özel, F., Pavlov, G., Rutledge, R., Smith, R., Stella, L., Strohmayer, T., Tananbaum, H., Uttley, P., van Kerkwijk, M., Weisskopf, M., & Zane, S. 2009, “The Behavior Of Matter Under Extreme Conditions”, *Astro2010: The Astronomy and Astrophysics Decadal Survey*, Science White Papers, no. 230 (arXiv:0904.0435v1)
2. Kargaltsev O. & Pavlov G. “Pulsar wind nebulae: X-ray and multiwavelength observations” at “X-ray Astronomy 2009”: Present Status, Multi-Wavelength Approach And Future Perspectives”, September 7-11, 2009, Bologna, Italy, to be published in *AIP Conf. Proc.* in 2009
3. Misanovic, Z., Pavlov, G. G. & Kargaltsev, O. “X-ray observations of pulsar J1740+1000”, in *Proc. of “8 years of Science with Chandra”*, ([http://cxc.harvard.edu/symposium\\_2007/proceedings/topic\\_3.html](http://cxc.harvard.edu/symposium_2007/proceedings/topic_3.html))
4. Kargaltsev, O. & Pavlov, G. G., “Vela PWN: A new perspective”, 2004, in "Young Neutron Stars and Their Environments" (IAU Symposium 218, ASP Conf. Proc.), eds F. Camilo and B. M. Gaensler, p. 195, (astro-ph/0310767)
5. Sanwal, D., Pavlov, G. G., Kargaltsev, O., Garmire, G. P., Zavlin, V. E., Burwitz, V., Manchester, R. N. & Dodson, R., “X-ray Spectrum and Pulsations of the Vela Pulsar”, in *Neutron Stars in Supernova Remnants*, ASP ser., v. 271, p. 353, 2002, eds. P.O. Slane & B. M. Gaensler.

6. Kargaltsev, O., Pavlov, G. G., Sanwal D., & Garmire, G. P., “The Vela pulsar wind nebula resolved with Chandra”, in Neutron Stars in Supernova Remnants, ASP ser., v. 271, p. 181, 2002, eds. P.O. Slane & B. M. Gaensler.

### ***Conferences and invited talks:***

1. Pavlov, G. & Kargaltsev, O. “Chandra Observations of the Vela Pulsar Wind Nebula”, Chandra's First Decade of Discovery, 22-25 September, 2009 in Boston, MA

2. Kargaltsev O. & Pavlov G. “Pulsar-Wind Nebulae in the Chandra Era” at “Supernova Remnants And Pulsar Wind Nebulae In The Chandra Era”, July 8-10, 2009, Boston, MA

3. Schmitt, B., Kargaltsev, O., & Pavlov, G. G. "XMM-Newton Observations of Two Candidate Supernova Remnants" July 8-10, 2009, Boston, MA

4. Kargaltsev O. “Pulsar winds across the electromagnetic spectrum”, Invited Talk at the HEA colloquium at the Department of Physics, Purdue University, October 27, 2009, Lafayette, IN

5. Kargaltsev O. & Pavlov G. “Chandra observations of Pulsar-Wind Nebulae” at “Pulsars in their diversity”, June 15-18, 2009, Marciana Marina, Isola d'Elba, Italy

6. Park, Sangwook, Kargaltsev, O., Pavlov, G., Mori, K., Slane, P. O., Hughes, J. P., Burrows, D. N., & Garmire, G. P. 2009 “Nonthermal X-Rays from Supernova Remnant G330.2+1.0 and the Characteristics of its Central Compact Object”, BAAS, 41, 503

7. Kargaltsev, O. & Pavlov, G. G. “Pulsars and Pulsar-Wind Nebulae: TeV to X-Ray Connection”, 2008, TeV Unidentified Sources Workshop, Penn State University, PA, June 2008

8. Kargaltsev, O. & Pavlov, G. G. “X-ray view of Pulsar-Wind Nebulae”, 2008, 37th COSPAR Scientific Assembly, 13-20 July 2008, Montréal, Canada., p.1447

9. Mori, K., Kargaltsev, O., Pavlov, G. G. et al. “Suzaku mapping observations of the Vela X”, 2008, 37th COSPAR Scientific Assembly, 13-20 July 2008, Montréal, Canada., p. 2105

10. Kargaltsev, O. & Pavlov, G. G. “The Puzzles of the Vela Pulsar-Wind Nebula”, 2008, 10<sup>th</sup> AAS High Energy Astrophysics Division Meeting, HEAD, #21.06

11. Pavlov, G. G., Kargaltsev, O., & Wong, J. “Young Energetic PSR J1617-5055, Its Underluminous Nebula, And TeV Source HESS J1616-508””, 2008, 10<sup>th</sup> AAS High Energy Astrophysics Division Meeting, HEAD, #12.07

12. Kargaltsev, O. & Pavlov G. G. “New puzzles fro Vela pulsar-wind nebula”, 2008, AAS High-Energy Astrophysics Division Meeting #10, #12.06

13. Kargaltsev, O., Pavlov, G., Sanwal, D., et al. “X-ray Emission From Vela-like Pulsar B1800-21 And Other Young Pulsars Observed With Chandra” 2006, AAS High-Energy Astrophysics Division Meeting #9, #7.57

14. Kargaltsev, O., Pavlov G. G., Garmire, G. P., & Sanwal, D “Chandra Observations of Radio Pulsars”, 2005, in Six Years of Science with Chandra: Dedicated to Leon Van Speybroeck

## *Publications by Oleg Kargaltsev*

15. Kargaltsev, O., & Pavlov, G. G., “X-ray Properties of Pulsars and their Wind Nebulae”, 2004, AAS Meeting 205, #102.14
16. Pavlov, G. G., Kargaltsev, O., Romani, R., & Zavlin, V. , “Far-UV radiation from pulsars: Connecting X-rays with optical”, 2004, American Astronomical Society, HEAD meeting #8, #11.02
17. Pavlov G. G., Kargaltsev, O., Zavlin V. E., & Sanwal, D, “Pulsars and Pulsar-wind Nebulae in the Chandra Era”, 2003, in Four Years of Chandra Observations: A Tribute to Riccardo Giacconi
18. Teter, M. A., Pavlov, G. G., Sanwal, D. & Kargaltsev, O. , “The Twisting Jet from the Vela Pulsar”, 2002, 200th AAS Meeting, #78.06; BAAS, Vol. 34, p.779
19. Kargaltsev, O., Pavlov, G. G., Sanwal, D., Garmire, G. P., “The Compact Central Source of the SNR G266.2-1.2”, 2002, 200th AAS Meeting, #72.02; BAAS, Vol. 34, p.764
20. Pavlov, G. G., Sanwal D., Kargaltsev, O., & Garmire, G. P. , “The Vela Pulsar and its Synchrotron Nebula: Surprises from Chandra”, 2001, in Two Years of Science with Chandra Symposium in Washington.

## ***Press releases:***

1. “Firehose-like jet discovered in action”, NASA/CXC News Release, 06/30/2003
2. “Geriatric Pulsar Still Kicking”, NASA/CXC News Release , 02/26/2009