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PERSONAL Date/Place of Birth: May 4, 1962/Moscow Citizenship: RUSSIA
Marital status: married Visa status: Green Card

EDUCATION Physics Department, Lomonosov Moscow State University, Moscow, Russia
1990, Ph.D. Physics (Theoretical Nuclear and Particle Physics)
1985, M.S. Physics

CAREER 7/2005 – present, Senior Staff Scientist, Hansen Experimental Physics Laboratory & Kavli Institute for Particle Astrophysics and Cosmology, Stanford University
2001–2005, Associate Research Scientist, NASA/Goddard Space Flight Center & Joint Center for Astrophysics, University of Maryland
1999–2001, NRC/NAS Senior Research Associate, NASA/Goddard Space Flight Center
1985–2001, Junior Staff Member/Research Scientist/Senior Scientist, Skobeltsyn Institute for Nuclear Physics, Lomonosov Moscow State University, Russia

VISITING SCIENTIST 3/2004, Institute for Experimental Nuclear Physics, University of Karlsruhe, Germany
9–10/2003, 6/2002, 1996–1999, Max-Planck-Institut für extraterrestrische Physik, Garching, Germany
8–9/1995, International Center for Theoretical Physics, Trieste, Italy
1994–1995, Centre d’Etude Spatiale des Rayonnements, Toulouse, France
1990–1991, Institute of Physics, Lodz University, Poland

RESEARCH GRANTS Principal Investigator:
2008–2012, NASA/APRA (Astronomy and Physics Research and Analysis) “Modeling of cosmic-ray propagation and Galactic diffuse γ -ray emission in support of current and future NASA missions”
2005–2008, NASA/APRA “Web-based interactive modeling of cosmic-ray propagation and Galactic diffuse γ -ray emission in support of current and future NASA missions”
2002–2004, NASA/ATP (Astrophysics Theory Program) “Propagation model for cosmic-ray species in the Galaxy”
Other grants and awards:
2008–2009, NASA/GLAST Guest Investigator “A Green’s function framework for analysis of the diffuse Galactic emission and extraction of dark matter signals from GLAST-LAT data” (PI: R. Johnson)
2007–2010, NASA/APRA “Searching for evidence of dark matter in the cosmic radiation (PAMELA)” (PI: S. Stochaj)
2006–2008, ISSI International team proposal “Electron-positron annihilation in the Milky Way: from positron sources to annihilation sites” (Coordinator: N. Prantzos)
1999–2001, National Research Council/National Academy of Sciences/NASA
1996–1999, Max-Planck Fellowship
1993, Russian Ministry of Science
1993, Soros Foundation
1992, American Astronomical Society

1992, Soros Foundation/American Physical Society

- COLLABORATIONS *Fermi*/Large Area Telescope (formerly *GLAST*/LAT):
 Collaboration Member, Coordinator of the science group Sources in the Solar System, a major contributor to the science groups Diffuse Emission & Molecular Clouds and the Dark Matter and Exotic Physics
- PAMELA: Collaboration Member (U.S.A., PI: S.Stochaj)
- COMMUNITY SERVICE Support and development of GALPROP, the current state-of-the-art CR propagation code and a *de facto* standard analysis tool in cosmic ray and diffuse γ -ray research, and indirect dark matter searches
- Member of the Steering Committee, LOC co-chair, Int. Conf. “TeV Particle Astrophysics (TeVPA09)”, July 13-17, 2009, Stanford
- Cosmic ray working group “Vision 2020 – Balloon and space-based cosmic ray astrophysics” (white paper)
- Future TeV gamma-ray astronomy working group (white paper)
- Rapporteur on “Cosmic Ray Propagation and Acceleration” at the 28th Int. Cosmic Ray Conf. (Tsukuba, Japan), 2003
- Referee for professional journals & book series:
 Astrophys. J., Astrophys. J. Lett., Astron. Astrophys., Astropart. Phys., Phys. Rev. Lett., Phys. Rev. D, J. High Energy Phys., Adv. Spa. Sci., ISSI etc.
- Referee for the National Science Foundation (NSF)
- SOME RECENT AND FORTHCOMING INVITED AND SOLICITED TALKS, SEMINARS, AND COLLOQUIA
- 2009: Invitee KITP Program “Particle Acceleration in Astrophysical Plasmas” (July 27 – Oct. 2, Santa Barbara)
- 2009: Workshop “Searching for the Origins of Cosmic Rays - SOCoR” (June 15-18, Trondheim, Norway)
- 2009: “TBD” — a talk at Joint Particle Seminar at UC Irvine (Apr. 15, UC Irvine)
- 2009: Workshop “Dark Matter”, Galileo Galilei Institute for Theoretical Physics (Feb. 9-11, Firenze)
- 2009: Workshop on Dark Matter (CERN, Feb. 2-6)
- 2008: “Fermi Gamma-ray Space Telescope” — Int. Conf. on High Energy Astrophysics (Dec. 24-26, Space Research Inst., Moscow)
- 2008: “PAMELA positron excess” — a seminar at the Stanford Institute for Theoretical Physics (Oct. 15, SITP)
- 2008: two lecture series “Cosmic Ray Propagation” — SLAC Summer Institute “Cosmic Accelerators” (Aug. 4-15, SLAC)
- 2008: “Propagation of Cosmic Rays” — Int. Conf. “Identification of Dark Matter” (Aug. 18-22, Stockholm) (the talk was given by A.Morselli)
- 2008: “Gamma-ray albedo of small solar system bodies and GLAST science” — GLAST lunchtime seminar (Feb. 28, SLAC)
- 2007: “Galactic cosmic rays and connections to gamma-ray astronomy” — Cosmic ray workshop (Nov. 7-8, NASA HQ, Washington DC)
- 2007: “Matter and Antimatter in Cosmic Rays” — UC Santa Cruz colloquium (Oct. 11, UCSC)
- 2007: “Matter and Antimatter in Cosmic Rays” — TeV particle astrophysics (TeVPA07) (August 27-31, Venice)
- 2007: “Origin and propagation of cosmic rays (some highlights)” — Int. workshop on science with new generation high energy gamma-ray experiments (SciNeGHE07) (June 18-20, Frascati)
- 2007: “GLAST” — Int. workshop on the interconnection between Particle Physics and Cosmology (PPC07) (May 16, College Station, Texas A&M University)
- 2007: “Galactic cosmic rays and diffuse gamma-ray emission” — Int. workshop “The future of very high energy gamma-ray astronomy” (May 14, Chicago)

- 2007: “Galactic cosmic rays and diffuse gamma-ray emission” — Ohio State University (May 1, Columbus)
- 2007: “Electrons in the heliosphere and inverse Compton scattering on solar photons” — Miniworkshop on high-energy astrophysics (Apr. 3, Rome)
- 2007: “Origin and propagation of cosmic rays or interconnection between GLAST and Pamela” — Miniworkshop on high-energy astrophysics (Apr. 2, Rome)
- 2007: “Modern Universe” — San Francisco Bay area (two public talks)
- 2007: “Dark Matter in the center of the Milky Way and the stars burning it” — GLAST lunchtime seminar (Feb. 22, SLAC)
- 2007: “GALPROP: current status and future developments” — ISSI workshop on positron annihilation in the Galaxy (Jan. 25, Bern)
- 2006: “GALPROP model for Galactic CR propagation and diffuse gamma-ray emission” and “Dark Matter Burners” — University of California, Santa Cruz (Oct. 24, UCSC)
- 2006: “Local Group of galaxies in the EGRET era and perspectives for GLAST” — GLAST lunchtime seminar (Jan. 19, SLAC)
- 2005: “Challenges in astrophysics of cosmic rays and gamma rays” — Theoretical Astrophysics Group, Fermilab (Dec. 12, Batavia, IL)
- 2005: “Challenges in astrophysics of cosmic rays and gamma rays” — MiniWorkshop on Propagation and Origin of Cosmic Rays (Nov. 11–20, Rome, Italy)
- 2005: “GALPROP tutorial” — MiniWorkshop on Propagation and Origin of Cosmic Rays (Nov. 11–20, Rome, Italy)
- 2005: “Current work on GALPROP and Dark Matter” — plenary talk at Dark Matter and New Physics Workshop (Jul. 11–13, SLAC, Stanford, CA)
- 2005: “Diffuse gamma-ray emission: lessons and perspectives” — International Conference on on Astrophysical Sources of High Energy Particles and Radiation (Torun, Poland, June 20–24, 2005)
- 2005: “Diffuse emission model” — plenary talk at GLAST collaboration meeting (Mar. 7–11, SLAC, Stanford, CA)
- 2004: “Nuclear Physics in Cosmic Ray Studies” — International Conference on Nuclear Data for Science & Technology (ND2004, Sep. 26 – Oct. 1, Santa Fe, NM)
- 2004: “Diffuse Gamma Rays. Galactic and Extragalactic Diffuse Emission” — 2nd Workshop on Multi-wavelength Approach to Unidentified Gamma-Ray Sources (June 1–4, Hong Kong)
- 2004: “Propagation of Cosmic Rays” — University of Maryland (May 10, College Park, MD)
- 2004: “Nuclear Physics in Space: What We Can Learn from Cosmic Rays” — Los Alamos National Lab. (April 20, Los Alamos, NM)
- 2004: “Propagation of Cosmic Rays and Diffuse Gamma Rays” — Forschungszentrum and University of Karlsruhe (March 5, Karlsruhe, Germany)
- 2003: “GALPROP: Model for Cosmic Ray Propagation” — Institute for Physical Science & Technology, University of Maryland (Dec. 15, College Park, MD)
- 2003: “Cosmic Ray Propagation and Acceleration” — invited rapporteur talk, 28th Int. Cosmic Ray Conf. (July 29–Aug. 7, Tsukuba, Japan)

INTERVIEWS TO
THE PRESS

- 2008: New Scientist “Dark matter makes Milky Way’s stars extend their lifetimes by a billion years”
- 2008: New Scientist “ ‘Frozen’ stars could shed light on dark matter”
- 2008: SLAC Today “Looking for New Light”
- 2008: New Scientist “Doubt cast on source of universe’s mightiest particles”
- 2007: New Scientist “Universe’s first stars may have been dark”
- 2007: SLAC Today “By the Light of the Moon”
- 2007: Scientific American “Glow in the Dark”
- 2007: SLAC Today “Hey, WIMPs: Beware of Dwarf”
- 2007: Terra Nova “Astrophysics Today”
- 2006: Tähdet ja Avaruus (Finnish periodical)
- 2006: SLAC Today “Gamma Rays from the Sun: A New Way for Looking at the Solar System”
- 2006: New Scientist “‘Dark matter burners’ - a new type of star?”

PUBLICATIONS

BOOK CHAPTERS,
REVIEWS, AND
INVITED PAPERS

1. *Positron production and annihilation in the Galaxy*,
Prantzos, N., et al., 2009, Rev. Mod. Phys., in progress
2. *Origin and propagation of cosmic rays (some highlights)*,
Moskalenko, I. V., 2007, — in Proc. 5th Int. Workshop on Science with the New Generation of High Energy Experiments, eds. A. Lionetto & A. Morselli (INFN: Frascati), Frascati Physics Series, **45**, pp.39–47 (invited talk)
3. *Cosmic-ray propagation and interactions in the Galaxy*,
Strong, A.W., Moskalenko, I. V., & Ptuskin, V.S., 2007, Annu. Rev. Nucl. Part. Sci., **57**, 285–327 (solicited review)
4. *Diffuse gamma-ray emission: lessons and perspectives*,
Moskalenko, I. V., & Strong, A.W., 2005, — in Proc. Int. Conf. on Astrophysical Sources of High Energy Particles and Radiation, eds. T.Bulik et al. (NY: AIP), AIP Conf. Proc., **801**, pp.57–62 (solicited talk)
5. *Propagation of cosmic rays: nuclear physics in cosmic-ray studies*,
Moskalenko, I. V., Strong, A.W., & Mashnik, S.G., 2005, — in Proc. “Int. Conf. on Nuclear Data for Science and Technology -ND2004”, eds. R.C.Haight et al. (NY: AIP), AIP Conf. Proc., **769**, pp.1612–1617 (invited talk)
6. *Propagation of Cosmic Rays and Diffuse Galactic Gamma Rays*,
Moskalenko, I. V., 2004, — in Proc. 3rd Int. Workshop on Frontier Science “Physics and Astrophysics in Space”, eds. A.Morselli, P.Picozza, M.Ricci (INFN: Frascati), Frascati Physics Series, **35**, pp.115–124 (invited talk)
7. *Diffuse Gamma Rays: Galactic and Extragalactic Diffuse Emission*,
Moskalenko, I. V., Strong, A.W., & Reimer, O., 2004, — in a book “The Multiwavelength Approach to Unidentified Gamma-Ray Sources”, eds. K.S. Cheng & G.E. Romero (Kluwer), Astrophysics and Space Science Library, **304**, **Chapter 12**, pp.279–310 (invited talk)
8. *GLAST: Understanding the High Energy Gamma-Ray Sky*,
McEnery, J.E., Moskalenko, I. V., & Ormes, J.F., 2004, — in a book “The Multiwavelength Approach to Unidentified Gamma-Ray Sources”, eds. K.S. Cheng & G.E. Romero (Kluwer), Astrophysics and Space Science Library, **304**, **Chapter 15**, pp.361–395 (invited talk)
9. *Rapporteur talk: Cosmic Ray Propagation and Acceleration*,
Moskalenko, I. V., 2003, — in Proc. 28th Int. Cosmic Ray Conf. (Tsukuba), **8**, pp.183–204 (invited talk) {also in “Frontiers of Cosmic Ray Science”, eds. T. Kajita et al. (Tokyo: Universal Academy Press), Frontiers Science Series no.43, pp.183–204 (2004)}
10. *The origin of cosmic rays and the diffuse Galactic gamma-ray emission*,
Digel, S.W., Hunter, S.D., Moskalenko, I. V., Ormes, J.F., & Pohl, M., 2001, — in Proc. “Gamma-Ray Astrophysics 2001”, eds. S. Ritz, N. Gehrels, & C.R. Shrader (NY: AIP), AIP Conf. Proc., **587**, pp.449–458 (invited talk)
11. *Models for Galactic cosmic-ray propagation*,
Strong A.W., & Moskalenko, I. V., 2001, Adv. Space Res., **27**, 717–726 (invited talk at 33rd COSPAR)
12. *Diffuse Galactic continuum gamma rays: a tracer of cosmic rays*,
Strong, A.W., & Moskalenko, I. V., 2001, — in a book “The Universe in Gamma Rays”, ed. V. Schönfelder (Heidelberg: Springer), pp.207–231
13. *Diffuse Galactic gamma-rays: constraining cosmic-ray origin and propagation*,
Moskalenko, I. V., & Strong, A.W., 2000, Astrophys. Space Sci., **272**, 247–254
14. *Diffuse Galactic continuum gamma rays*,
Strong, A.W., Moskalenko, I. V., & Reimer, O., 2000, — in Proc. 5th Compton Symp., eds. M.L. McConnell & J.M. Ryan (NY: AIP), AIP Conf. Proc., **510**, pp.283–290 (invited talk)
15. *Galactic cosmic rays and gamma rays: a unified approach*,
Strong, A.W., & Moskalenko, I. V., 2000, — in a book “Topics in Cosmic Ray Astrophysics”, ed. M.A. DuVernois (NY: Nova Science Publishers), Horizons in World Physics Series, **230**, pp.81–103

16. *TeV emission from close binaries*,
Moskalenko, I. V., 1995, *Space Science Reviews*, **72**, 593–627 (review)
17. *TeV emission from close binaries*,
Moskalenko, I. V., 1994, — in Proc. Intern. School “Particles & Cosmology”, eds. E.N. Alexeev et al. (Singapore: World Scientific), pp.253–263 (invited talk)



WHITE PAPERS

18. *Galactic Compact Objects Section of the White Paper on the Status and Future of Ground-based TeV Gamma-ray Astronomy*,
 Kaaret, P., Abdo, A. A., Arons, J., Baring, M., Cui, W., Dingus, B., Finley, J., Funk, S., Heinz, S., Gaensler, B., Harding, A., Hays, E., Holder, J., Kieda, D., Konopelko, A., LeBohec, S., Levinson, A., Moskalenko, I. V., Mukherjee, R., Ong, R., Pohl, M., Ragan, K., Slane, P., Smith, A., & Torres, D., 2008, arXiv:0810.0683
19. *Section on Supernova remnants and cosmic rays of the White Paper on the Status and Future of Ground-based Gamma-ray Astronomy*,
 Pohl, M., Abdo, A., Atoyan, A., Baring, M., Beacom, J., Blandford, R., Butt, Y., Bykov, A., Ellison, D., Funk, S., Halzen, F., Hays, E., Humensky, B., Jones, T., Kaaret, P., Kieda, D., LeBohec, S., Meszaros, P., Moskalenko, I. V., Slane, P., Strong, A., & Wakely, S., 2008, arXiv:0810.0673



PUBLICATIONS IN
 REFEREED JOURNALS

20. *The Phosphorus, Sulfur, Argon, and Calcium isotopic composition of the Galactic cosmic ray source*,
 Ogliore, R. C., Stone, E. C., Leske, R. A., Mewaldt, R. A., Wiedenbeck, M. E., Binns, W. R., Israel, M. H., von Rosenvinge, T. T., de Nolfo, G. A., & Moskalenko, I. V., 2008, *Astrophys. J.*, submitted
21. *Fermi/LAT observations of the Vela pulsar*,
 Abdo A.A. et al. (*Fermi/LAT* Collaboration), 2008, *Astrophys. J.*, submitted
22. *The Large Area Telescope on the Fermi Gamma-Ray Space Telescope Mission*,
 Atwood, W. B., et al. (*Fermi/LAT* Collaboration), 2008, *Astrophys. J.*, submitted
23. *On the Possible Association of Ultra High Energy Cosmic Rays with Nearby Active Galaxies*,
Moskalenko, I. V., Stawarz, L., Porter, T. A., & Cheung, C. C., 2008, *Astrophys. J.*, in press
24. *A Measurement of the Spatial Distribution of TeV Gamma Ray Emission from the Galactic Plane with Milagro*,
 Abdo, A., Allen, B., Aune, T., Berley, D., Casanova, S., Chen, C., Dingus, B.L., Ellsworth, R.W., Fleysher, L., Fleysher, R., Gonzalez, M.M., Goodman, J.A., Hays, E., Homan, C.M., Hopper, B., Huntemeyer, P.H., Kolterman, B.E., Lansdell, C.P., Linnemann, J.T., McEnery, J.E., Mincer, A.I., Moskalenko, I. V., Nemethy, P., Noyes, D., Porter, T.A., Ryan, J.M., Saz Parkinson, P.M., Shoup, A., Sinnis, G., Smith, A.J., Strong, A.W., Sullivan, G.W., Vasileiou, V., Walker, G.P., Williams, D.A., Xu, X.W., & Yodh, G.B., 2008, *Astrophys. J.*, 1078–1083
25. *The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic Supernova Remnants CTA 1*,
 Abdo A.A. et al. (*Fermi/LAT* Collaboration), 2008, *Science Express*, 10.1126/Science.1165572
26. *A celestial gamma-ray foreground due to the albedo of small solar system bodies and a remote probe of the interstellar cosmic ray spectrum*,
Moskalenko, I. V., Porter, T.A., Digel, S.W., Michelson, P.F., Ormes, J.F., 2008, *Astrophys. J.*, **681**, 1708–1716
27. *Inverse Compton Origin of the Hard X-Ray Emission from the Galactic Ridge*,
 Porter, T.A., Moskalenko, I. V., Strong, A.W., Orlando, E., Bouchet, L., 2008, *Astrophys. J.*, **682**, 400–407
28. *Sensitivity of the GLAST Large Area Telescope to Dark Matter annihilation signals*,
 Baltz, E. A., Berenji, B., Bertone, G., Bergström, L., Bloom, E., Bringmann, T., Chiang, J., Cohen-Tanugi, J., Conrad, J., Edmonds, Y., Edsjö, J., Godfrey, G., Hughes, R.E., Johnson R., Lionetto, A., Moiseev, A. A., Morselli, A., Moskalenko, I. V., Nuss, E., Ormes, J. F., Rando, R.,

- Sander, A. J., Sellerholm, A., Smith, P. D., Strong, A. W., Wai, L., Wang, P., & Winer, B. L., 2008, *JCAP*, **07**, 013
29. *The gamma-ray albedo of the moon*,
Moskalenko, I. V., & Porter, T.A., 2007, *Astrophys. J.*, **670**, 1467–1472
 30. *Dark matter burners*,
Moskalenko, I. V., & Wai, L.L., 2007, *Astrophys. J.*, **659**, L29–L32
 31. *Discovery of TeV Gamma-Ray Emission from the Cygnus Region of the Galaxy*,
Abdo, A., Allen, B., Berley, D., Blaufuss, E., Casanova, S., Coyne, D.G., Delay, R.S., Dingus, B.L., Ellsworth, R.W., Fleysher, L., Fleysher, R., Gonzalez, M.M., Goodman, J.A., Hays, E., Hoffman, C.M., Kelley, L.A., Lansdell, C.P., Linnemann, J.T., McEnery, J.E., Mincer, A.I., Moskalenko, I. V., Nemethy, P., Noyes, D., Ryan, J.M., Samuelson, F.W., Saz Parkinson, P.M., Schneider, M., Shoup, A., Sinnis, G., Strong, A.W., Smith, A.J., Sullivan, G.W., Vasileiou, V., Walker, G.P., Williams, D.A., Xu, X.W., & Yodh, G.B., 2007, *Astrophys. J.*, **658**, L33–L36
 32. *Understanding limitations in the determination of the diffuse Galactic gamma-ray emission*,
Moskalenko, I. V., Digel, S.W., Porter, T.A., Reimer, O., & Strong, A.W., 2007, *Nucl. Phys. B (Proc. Suppl.)*, **173**, 44–47
 33. *Inverse Compton scattering on solar photons, heliospheric modulation, and neutrino astrophysics*,
Moskalenko, I. V., Porter, T.A., & Digel, S.W., 2006, *Astrophys. J.*, **652**, L65–L68
 34. *Inverse Compton emission from Galactic supernova remnants: effect of the interstellar radiation field*,
Porter, T.A., Moskalenko, I. V., & Strong, A.W., 2006, *Astrophys. J.*, **648**, L29–L32
 35. *Attenuation of VHE gamma rays by the Milky Way interstellar radiation field*,
Moskalenko, I. V., Porter, T.A., & Strong, A.W., 2006, *Astrophys. J.*, **640**, L155–L158
 36. *Dissipation of magnetohydrodynamic waves on energetic particles: impact on interstellar turbulence and cosmic ray transport*,
Ptuskin, V.S., Moskalenko, I. V., Jones, F.C., Strong, A.W., & Zirakashvili, V.N., 2006, *Astrophys. J.*, **642**, 902–916
 37. *Observations of the Li, Be, and B isotopes and constraints on cosmic-ray propagation*,
de Nolfo, G.A., Moskalenko, I. V., Binns, W.R., Christian, E.R., Cummings, A.J., George, J.S., Hink, P.L., Israel, M.H., Leske, R.A., Lijowski, M., Mewaldt, R.A., Stone, E.C., Strong, A.W., von Rosenvinge, T.T., Wiedenbeck, M.E., & Yanasak, N.E., 2006, *Adv. Space Res.*, **38**, 1558–1564
 38. *Propagation of secondary antiprotons and cosmic rays in the Galaxy*,
Moskalenko, I. V., Strong, A.W., Ormes, J.F., & Mashnik S.G., 2005, *Adv. Space Res.*, **35**, 156–161
 39. *Propagation model for cosmic ray species in the Galaxy*,
Ptuskin, V.S., Moskalenko, I. V., Jones, F.C., Strong, A.W., & Mashnik, S.G., 2005, *Adv. Space Res.*, **35**, 162–166
 40. *The distribution of cosmic-ray sources in the Galaxy, gamma rays and the gradient in the CO-to-H₂ relation*,
Strong, A.W., Moskalenko, I. V., Reimer, O., Digel, S., & Diehl, R., 2004, *Astron. Astrophys.*, **422**, L47–L50
 41. *Diffuse Galactic continuum γ -rays. A model compatible with EGRET data and cosmic ray measurements*,
Strong, A.W., Moskalenko, I. V., & Reimer, O., 2004, *Astrophys. J.*, **613**, 962–976
 42. *A new determination of the extragalactic diffuse γ -ray background from EGRET data*,
Strong, A.W., Moskalenko, I. V., & Reimer, O., 2004, *Astrophys. J.*, **613**, 956–961
 43. *CEM2k and LAQGSM as event generators for space-radiation-shielding and cosmic-ray-propagation applications*,
Mashnik, S.G., Gudima, K.K., Moskalenko, I. V., Prael, R.E., & Sierk, A.J., 2004, *Adv. Space Res.*, **34**, 1288–1296
 44. *Challenging cosmic ray propagation with antiprotons. Evidence for a “fresh” nuclei component?*,
Moskalenko, I. V., Strong, A.W., Mashnik, S.G., & Ormes, J.F., 2003, *Astrophys. J.*, **586**, 1050–1066

45. *Secondary antiprotons and propagation of cosmic rays in the Galaxy and heliosphere*,
Moskalenko, I. V., Strong, A.W., Ormes, J.F., & Potgieter M.S., 2002, *Astrophys. J.*, **565**, 280–296
46. *Models for Galactic cosmic-ray propagation*,
Strong A.W., & Moskalenko, I. V., 2001, *Adv. Space Res.*, **27**, 717–726
47. *Diffuse continuum gamma rays from the Galaxy*,
Strong, A.W., Moskalenko, I. V., & Reimer, O., 2000, *Astrophys. J.*, **537**, 763–784
Erratum: *ibid.*, **541**, 1109
48. *Anisotropic inverse Compton scattering in the Galaxy*,
Moskalenko, I. V., & Strong A.W., 2000, *Astrophys. J.*, **528**, 357–367
49. *Positrons from particle dark-matter annihilations in the Galactic halo: propagation Green's functions*,
Moskalenko, I. V., & Strong, A.W., 1999, *Phys. Rev. D*, **60**, 063003
50. *A pair plasma model for PKS 0208–512*,
Moskalenko, I. V., & Collmar, W., 1999, *Astrophys. Lett. Comm.*, **39**, 113–116
51. *Puzzles of Galactic continuum γ -rays*,
Moskalenko, I. V., & Strong, A.W., 1999, *Astrophys. Lett. Comm.*, **38**, 445–448
52. *Diffuse Galactic gamma rays, cosmic-ray nucleons and antiprotons*,
Moskalenko, I. V., Strong, A.W., & Reimer, O., 1998, *Astron. Astrophys.*, **338**, L75–L78
53. *Propagation of cosmic-ray nucleons in the Galaxy*,
Strong, A.W., & Moskalenko, I. V., 1998, *Astrophys. J.*, **509**, 212–228
54. *A combined model for the X-ray to gamma-ray emission from Cyg X–1*,
Moskalenko, I. V., Collmar, W., & Schönfelder, V., 1998, *Astrophys. J.*, **502**, 428–436
55. *Production and propagation of cosmic-ray positrons and electrons*,
Moskalenko, I. V., & Strong, A.W., 1998, *Astrophys. J.*, **493**, 694–707
56. *Positron propagation in semirelativistic plasmas: particle spectra and annihilation line shape*,
Moskalenko, I. V., & Jourdain, E., 1997, *Astron. Astrophys.*, **325**, 401–413
57. *Light curves of close binaries in TeV energy region*,
Moskalenko, I. V., & Karakula, S., 1994, *Astrophys. J. Suppl.*, **92**, 567–573
58. *Gamma rays from point Galactic sources*,
Karakula, S., Kociolek, G., Moskalenko, I. V., & Tkaczyk, W., 1994, *Astrophys. J. Suppl.*, **92**, 481–485
59. *Very high energy neutrinos from the Sun*,
Moskalenko, I. V., & Karakula, S., 1993, *J. Physics G: Nucl. Part. Phys.*, **19**, 1399–1406
60. *Cygnus X–3 light curve model in TeV energy region*,
Moskalenko, I. V., Karakula, S., & Tkaczyk, W., 1993, *Mon. Not. Roy. Astron. Soc.*, **260**, 681–685
61. *A model of the Cygnus X–3 system in the gamma-rays region*,
Moskalenko, I. V., Karakula, S., & Tkaczyk, W., 1993, *Astron. Astrophys. Suppl. Ser.*, **97**, 269–271
62. *The influence of statistical acceleration in the interplanetary medium on the propagation of particles from a solar flare*,
Bakhareva, M.F., & Moskalenko, I. V., 1992, *Geomagnetism & Aeronomy*, **32**, 168–172
63. *The Sun as the source of VHE neutrinos*,
Moskalenko, I. V., Karakula, S., & Tkaczyk, W., 1991, *Astron. Astrophys.*, **248**, L5–L6
64. *Generalized oscillator strengths and cross sections of the asymmetric $He(e, 2e)He^+$ reaction in various models of the atomic helium structure*,
Amirkhanov, I.V., Lkhagva, O., Moskalenko, I. V., & Khenmedekh, L., 1990, *Optics & Spectr.*, **69**, 717–720
65. *Energy spectrum of gamma-quanta from giant dipole resonance decay in iron*,
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