

E.g. blood pressure

Home > Climate and Space Sciences and Engineering > Igor V Sokolov > Publications

By Concept By Last Name By Free Text

Igor V Sokolov

College of Engineering, Climate and Space Sciences and Engineering

Edit your profile

Home

Expert Overview

Fingerprint

Publications

Grants

Patents

Similar Experts

Journals

Fingerprint Trends

Institutional Network

Coauthor Network

Research Network

Curriculum Vitae

Igor V Sokolov

Organizations

College of Engineering

Climate and Space Sciences and Engineering

Current Appointments:

Research Scientist, Climate and Space Sciences and Engineering

Contact via MCommunity

163 Publications

This is a list of publications by this researcher, listed chronologically starting with the most recent first. The source of journal publications may be a combination of Scopus and manually entered data from a user. New publications from Scopus appear in this list weekly and publications entered by a user appear instantly. Citation counts start from 1996 and come directly from Scopus. [Edit your profile](#) to manually adjust non-Scopus data.

Jump to:

Books Book Chapters 20 Conference Proceedings Meeting Abstracts Presentations Technical Reports Other Written Works

143 Scopus and Journal Publications

 Select All | Export

sort by year | cited by

1. L K Jian; P J MacNeice; A Taktakishvili; D Odstrcil; B Jackson; H S Yu; P Riley; Igor V Sokolov; R M Evans
Validation for solar wind prediction at Earth: Comparison of coronal and heliospheric models installed at the CCMC
SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS. 2015;13(5):316-338.
2. Dmitry Borovikov; Igor V. Sokolov; Gábor Tóth
An efficient second-order accurate and continuous interpolation for block-adaptive grids
Journal of Computational Physics. 2015;297:584-598.
3. R. Oran; E. Landi; B. Van Der Holst; S.T. Lepri; A.M. Vásquez; F.A. Nuevo; R. Frazin; W. Manchester; I. Sokolov; T.I. Gombosi
A STEADY-STATE PICTURE of SOLAR WIND ACCELERATION and CHARGE STATE COMPOSITION DERIVED from A GLOBAL WAVE-DRIVEN MHD MODEL
Astrophysical Journal. 2015;806(1).
4. I.V. Sokolov; G.A. Mourou; N.M. Naumova
Effect of radiation reaction on particle motion and production in IZEST-strong fields
European Physical Journal: Special Topics. 2014;223(6):1045-1054.
5. B. Van Der Holst; I.V. Sokolov; X. Meng; M. Jin; W.B. Manchester; G. Tóth; T.I. Gombosi
Alfvén wave solar model (AWSoM): Coronal heating
Astrophysical Journal. 2014;782(2).
6. Igor V. Sokolov; Bart Van Der Holst; Rona Oran; Cooper Downs; Ilia I. Roussev; Meng Jin; Ward B. Manchester; Rebekah M. Evans; Tamas I. Gombosi
Magnetohydrodynamic waves and coronal heating: Unifying empirical and mhd turbulence models
Astrophysical Journal. 2013;764(1).
7. M. Jin; W.B. Manchester; B. Van Der Holst; R. Oran; I. Sokolov; G. Toth; Y. Liu; X.D. Sun; T.I. Gombosi
Numerical simulations of coronal mass ejection on 2011 March 7: One-temperature and two-temperature model comparison
Astrophysical Journal. 2013;773(1).
8. R. Oran; B. Van Der Holst; E. Landi; M. Jin; I.V. Sokolov; T.I. Gombosi
A global wave-driven magnetohydrodynamic Solar Model with a unified treatment of open and closed magnetic field topologies
Astrophysical Journal. 2013;778(2).
9. Igor V. Sokolov
Alternating-order interpolation in a charge-conserving scheme for particle-in-cell simulations
Computer Physics Communications. 2013;184(2):320-328.
10. B. Van der Holst; G. Tóth; I.V. Sokolov; B.R. Torralva; K.G. Powell; R.P. Drake; M. Klapisch; M. Busquet; B. Fryxell; E.S. Myra
Simulating radiative shocks with the CRASH laser package
High Energy Density Physics. 2013;9(1):8-16.
11. Ilia I. Roussev; Klaus Galgaard; Cooper Downs; Noé Lugaz; Igor V. Sokolov; Elena Moise; Jun Lin
Explaining fast ejections of plasma and exotic X-ray emission from the solar corona
Nature Physics. 2012;8(11):845-849.
12. Gábor Tóth; Bart van der Holst; Igor V. Sokolov; Darren L. De Zeeuw; Tamas I. Gombosi; Fang Fang; Ward B. Manchester; 121

- 2012 Xing Meng; Dalal Najib; Kenneth G. Powell; et al.
Adaptive numerical algorithms in space weather modeling
Journal of Computational Physics, 2012;231(3):870-903.
13. 2012 B. van der Holst; G. Tóth; I.V. Sokolov; L.K.S. Daldorff; K.G. Powell; R.P. Drake
Simulating radiative shocks in nozzle shock tubes
High Energy Density Physics, 2012;8(2):161-169.
14. 2012 Xing Meng; Gábor Tóth; Igor V. Sokolov; Tamas I. Gombosi
Classical and semirelativistic magnetohydrodynamics with anisotropic ion pressure
Journal of Computational Physics, 2012;231(9):3610-3622.
15. 2012 Cooper Downs; Ilia I. Roussev; Bart Van Der Holst; Noé Lugaz; Igor V. Sokolov
Understanding SDO/AIA observations of the 2010 June 13 EUV wave event: Direct insight from a global thermodynamic MHD simulation
Astrophysical Journal, 2012;750(2):[134].
16. 2012 R.M. Evans; M. Opher; R. Oran; B. Van Der Holst; I.V. Sokolov; R. Frazin; T.I. Gombosi; A. Vásquez
Coronal heating by surface Alfvén wave damping: Implementation in a global magnetohydrodynamics model of the solar wind
Astrophysical Journal, 2012;756(2):[155].
17. 2011 Natalia M. Naumova; Igor V. Sokolov; John A. Nees; Gérard A. Mourou
Radiation back-reaction and pair creation in the interaction of QED-strong laser fields with electron beams
Proceedings of SPIE - The International Society for Optical Engineering, 2011;7994:[799424].
18. 2011 R.P. Drake; F.W. Doss; R.G. McClaren; M.L. Adams; N. Amato; D. Bingham; C.C. Chou; C. DiStefano; K. Fidkowski; B. Fryxell; et al.
Radiative effects in radiative shocks in shock tubes
High Energy Density Physics, 2011;7(3):130-140.
19. 2011 O. Cohen; V.L. Kashyap; J.J. Drake; I.V. Sokolov; C. Garraffo; T.I. Gombosi
The dynamics of stellar coronae harboring hot Jupiters. I. A time-dependent magnetohydrodynamic simulation of the interplanetary environment in the HD 189733 planetary system
Astrophysical Journal, 2011;733(1):[67].
20. 2011 B. Van Der Holst; G. Tóth; I.V. Sokolov; K.G. Powell; J.P. Holloway; E.S. Myra; Q. Stout; M.L. Adams; J.E. Morel; S. Karni; et al.
Crash: A block-adaptive-mesh code for radiative shock hydrodynamics - Implementation and verification
Astrophysical Journal, Supplement Series, 2011;194(2):[23].
21. 2011 James Paul Holloway; Derek Bingham; Chuan-Chih Chou; Forrest Doss; R. Paul Drake; Bruce Fryxell; Michael Grosskopf; Bart Van Der Holst; Bani K. Mallick; Ryan McClaren; et al.
Predictive modeling of a radiative shock system
Reliability Engineering and System Safety, 2011;96(9):1184-1193.
22. 2011 O. Cohen; V.L. Kashyap; J.J. Drake; I.V. Sokolov; T.I. Gombosi
The dynamics of stellar coronae harboring hot Jupiters. II. A space weather event on a hot Jupiter
Astrophysical Journal, 2011;738(2):[166].
23. 2011 Igor V. Sokolov; Natalia M. Naumova; John A. Nees
Numerical modeling of radiation-dominated and quantum-electrodynamically strong regimes of laser-plasma interaction
Physics of Plasmas, 2011;18(9):[093109].
24. 2011 Cooper Downs; Ilia I. Roussev; Bart Van Der Holst; Noé Lugaz; Igor V. Sokolov; Tamas I. Gombosi
Studying extreme ultraviolet wave transients with a digital laboratory: Direct comparison of extreme ultraviolet wave observations to global magnetohydrodynamic simulations
Astrophysical Journal, 2011;728(1).
25. 2010 Igor V. Sokolov; John A. Nees; Victor P. Yanovsky; Natalia M. Naumova; Gérard A. Mourou
Emission and its back-reaction accompanying electron motion in relativistically strong and QED-strong pulsed laser fields
Physical Review E - Statistical, Nonlinear, and Soft Matter Physics, 2010;81(3):[036412].
26. 2010 Cooper Downs; Ilia I. Roussev; Bart Van Der Holst; Noé Lugaz; Igor V. Sokolov; Tamas I. Gombosi
Toward a realistic thermodynamic magnetohydrodynamic model of the global solar corona
Astrophysical Journal, 2010;712(2):1219-1231.
27. 2010 N. Lugaz; I.I. Roussev; I.V. Sokolov; C. Jacobs
Solar-terrestrial simulations of CMEs with a realistic initiation mechanism: Case study for active region 10069
AIP Conference Proceedings, 2010;1216:440-443.
28. 2010 A.J. Ridley; T.I. Gombosi; I.V. Sokolov; G. Tóth; D.T. Welling
Numerical considerations in simulating the global magnetosphere
Annales Geophysicae, 2010;28(8):1589-1614.
29. 2010 Igor V. Sokolov; Natalia M. Naumova; John A. Nees; Victor P. Yanovsky; Gérard A. Mourou
Radiation back-reaction in relativistically strong and QED-strong pulsed laser fields
AIP Conference Proceedings, 2010;1228:305-322.
30. 2010 Igor V. Sokolov; Natalia M. Naumova; John A. Nees; Gérard A. Mourou
Pair creation in QED-strong pulsed laser fields interacting with electron beams
Physical Review Letters, 2010;105(19):[195005].
31. 2010 O. Cohen; J.J. Drake; V.L. Kashyap; I.V. Sokolov; T.I. Gombosi

2010	The impact of hot jupiters on the spin-down of their host stars Astrophysical Journal Letters, 2010;723(1 PART 2):L64-L67.	0
32.	V.T. Tikhonchuk; T. Schlegel; N. Naumova; I.V. Sokolov; C. Regan; M. Temporal; J.-L. Feugeas; Ph. Nicolai; X. Ribeyre; C. Labaune; et al. Relativistic hole boring and fast ion ignition with ultra-intense laser pulses Journal of Physics: Conference Series, 2010;244(PART 2):[022069].	
33.	N. Naumova; T. Schlegel; V.T. Tikhonchuk; C. Labaune; I.V. Sokolov; G. Mourou Hole boring in a DT pellet and fast-ion ignition with ultraintense laser pulses Physical Review Letters, 2009;102(2):[025002].	141
34.	T. Schlegel; N. Naumova; V.T. Tikhonchuk; C. Labaune; I.V. Sokolov; G. Mourou Relativistic laser piston model: Ponderomotive ion acceleration in dense plasmas using ultraintense laser pulses Physics of Plasmas, 2009;16(8):[083103].	53
35.	Igor V. Sokolov; Natalia M. Naumova; John A. Nees; Grard A. Mourou; Victor P. Yanovsky Dynamics of emitting electrons in strong laser fields Physics of Plasmas, 2009;16(9):[093115].	23
36.	N. Naumova; T. Schlegel; V.T. Tikhonchuk; C. Labaune; I.V. Sokolov; G. Mourou Ponderomotive ion acceleration in dense plasmas at super-high laser intensities European Physical Journal D, 2009;55(2):393-398.	9
37.	R.P. Drake; F.W. Doss; B. Fryxell; M.J. Grosskopf; J.P. Holloway; B. Van Der Holst; C. Huntington; C.C. Kuranz; E.S. Myra; V.N. Nair; et al. Challenges to understanding radiative shocks IEEE International Conference on Plasma Science, 2009:[5227584].	0
38.	N.M. Naumova; I.V. Sokolov; V.T. Tikhonchuk; T. Schlegel; J.A. Nees; C. Labaune; V.P. Yanovsky; G.A. Mourou The radiation reaction effect on electrons at super-high laser intensities with application to ion acceleration AIP Conference Proceedings, 2009;1153:130-139.	0
39.	R.P. Drake; F.W. Doss; B. Fryxell; M.J. Grosskopf; J.P. Holloway; B. Van Der Holst; C. Huntington; C.C. Kuranz; E.S. Myra; V.N. Nair; et al. Using high power lasers to create radiative shock waves Pacific Rim Conference on Lasers and Electro-Optics, CLEO - Technical Digest, 2009:[5292125].	0
40.	Aghapi G. Mordovanakis; James Easter; Natalia Naumova; Konstantin Popov; Paul-Edouard Masson-Labordre; Bixue Hou; Igor Sokolov; Gérard Mourou; Igor V. Glazyrin; Wojciech Rozmus; et al. Quasimonoenergetic electron beams with relativistic energies and ultrashort duration from laser-solid interactions at 0.5 kHz Physical Review Letters, 2009;103(23):[235001].	22
41.	Igor V. Sokolov; Ilia I. Roussev; Marina Skender; Tamas I. Gombosi; Arcadi V. Usmanov Transport equation for MHD turbulence: Application to particle acceleration at interplanetary shocks Astrophysical Journal, 2009;696(1):261-267.	16
42.	O. Cohen; J.J. Drake; V.L. Kashyap; S.H. Saar; I.V. Sokolov; W.B. Manchester; K.C. Hansen; T.I. Gombosi Interactions of the magnetospheres of stars and close-in giant planets Astrophysical Journal, 2009;704(2 PART 2):L85-L88.	27
43.	T. Schlegel; N. Naumova; V.T. Tikhonchuk; C. Labaune; G. Mourou; I.V. Sokolov Relativistic laser piston model: Ponderomotive ion acceleration in dense plasmas using ultra-intense laser pulses 36th EPS Conference on Plasma Physics 2009, EPS 2009 - Europhysics Conference Abstracts, 2009;33 E1:210-213.	0
44.	Igor V Sokolov Renormalization of the Lorentz-Abraham-Dirac Equation for Radiation Reaction Force in Classical Electrodynamics JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2009;109(2):207-212.	-
45.	B van der Holst; W Manchester IV; I. V. Sokolov; G Toth; T I Gombosi; D DeZeeuw; O Cohen BREAKOUT CORONAL MASS EJECTION OR STREAMER BLOWOUT: THE BUGLE EFFECT ASTROPHYSICAL JOURNAL, 2009;693(2):1178-1187.	-
46.	N. Naumova; C. Labaune; T. Schlegel; V.T. Tikhonchuk; G. Mourou; I.V. Sokolov Hole boring through overdense plasmas using multiple ultrahigh intensity laser pulses 35th EPS Conference on Plasma Physics 2008, EPS 2008 - Europhysics Conference Abstracts, 2008;32(1):573-576.	0
47.	O. Cohen; I.V. Sokolov; I.I. Roussev; T.I. Gombosi Validation of a synoptic solar wind model Journal of Geophysical Research: Space Physics, 2008;113(3):[A03104].	20
48.	N.M. Naumova; C.P. Hauri; J.A. Neese; I.V. Sokolov; R. Lopez-Martens; G.A. Mourou Towards efficient generation of attosecond pulses from overdense plasma targets New Journal of Physics, 2008;10:[025022].	9
49.	O. Cohen; I.V. Sokolov; I.I. Roussev; N. Lugaz; W.B. Manchester; T.I. Gombosi; C.N. Arge Validation of a global 3D heliospheric model with observations for the May 12, 1997 CME event Journal of Atmospheric and Solar-Terrestrial Physics, 2008;70(2-4):583-592.	9
50.	Ward B. Manchester IV; Angelos Vourlidas; Gábor Tóth; Noé Lugaz; Ilia I. Roussev; Igor V. Sokolov; Tamas I. Gombosi; Darren L. De Zeeuw; Merav Opher Three-dimensional MHD simulation of the 2003 October 28 coronal mass ejection: Comparison with LASCO	65

coronagraph observations

Astrophysical Journal, 2008;684(2):1448-1460.

- 51.** 2008 Igor V. Sokolov; Ilia I. Roussev
MHD turbulence model for global simulations of the solar wind and SEP acceleration
AIP Conference Proceedings, 2008;1039:93-98.
- 52.** 2008 Ilia I. Roussev; Noé Lugaz; Igor V. Sokolov
Global MHD modeling of CMEs and related shocks from complex active regions
AIP Conference Proceedings, 2008;1039:286-294.
- 53.** 2008 W.B. Manchester IV; G. Toth; I. Sokolov; T.H. Zurbuchen; J. Kota
MHD simulations of CME-driven shocks: Structures relevant to particle acceleration
AIP Conference Proceedings, 2008;1039:273-278.
- 54.** 2008 Alberto M. Vasquez; Richard A. Frazin; Keiji Hayashi; Igor V. Sokolov; Ofer Cohen; Ward B. Manchester IV; Farzad Kamalabadi
Validation of two MHD models of the solar corona with rotational tomography
Astrophysical Journal, 2008;682(2):1328-1337.
- 55.** 2008 G. Priebe; D. Laundy; M.A. MacDonald; G.P. Diakun; S.P. Jamison; L.B. Jones; D.J. Holder; S.L. Smith; P.J. Phillips; B.D. Fell; et al.
Inverse Compton backscattering source driven by the multi-10 TW laser installed at Daresbury
Laser and Particle Beams, 2008;26(4):649-660.
- 56.** 2007 O. Cohen; I.V. Sokolov; I.I. Roussev; C.N. Arge; W.B. Manchester; T.I. Gombosi; R.A. Frazin; H. Park; M.D. Butala; F. Kamalabadi; et al.
A semiempirical magnetohydrodynamical model of the solar wind
Astrophysical Journal, 2007;654(2 II):L163-L166.
- 57.** 2007 Ilia I. Roussev; Noe Lugaz; Igor V. Sokolov
New physical insight on the changes in magnetic topology during coronal mass ejections: Case studies for the 2002 april 21 and august 24 events
Astrophysical Journal, 2007;668(1 PART 2):L87-L90.
- 58.** 2007 G Toth; D L. De Zeeuw; T I Gombosi; W. Manchester IV; A J Ridley; I V Sokolov; I I Roussev
Sun-to-thermosphere simulation of the 28-30 October 2003 storm with the space weather modeling framework
SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS, 2007;5(6).
- 59.** 2007 G Toth; D L. De Zeeuw; T I Gombosi; W. Manchester IV; A J Ridley; I V Sokolov; I I Roussev
Sun-to-thermosphere simulation of the 28-30 October 2003 storm with the space weather modeling framework
SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS, 2007;5(6).
- 60.** 2007 G Toth; D L. De Zeeuw; T I Gombosi; W. Manchester IV; A J Ridley; I V Sokolov; I I Roussev
Sun-to-thermosphere simulation of the 28-30 October 2003 storm with the space weather modeling framework
SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS, 2007;5(6).
- 61.** 2006 N.M. Naumova; J.A. Nees; I.V. Sokolov; E.P. Power; V.P. Yanovsky; A. Maksimchuk; G.A. Mourou
Efficient attosecond phenomena in the relativistic regime
33rd EPS Conference on Plasma Physics 2006, EPS 2006. 2006;1:141-144.
- 62.** 2006 Yingjuan Ma; Andrew F. Nagy; Thomas E. Cravens; Igor V. Sokolov; Kenneth C. Hansen; Jan-Erik Wahlund; Frank J. Crary; Andrew J. Coates; Michele K. Dougherty
Comparisons between MHD model calculations and observations of Cassini flybys of Titan
Journal of Geophysical Research: Space Physics, 2006;111(5):[A05207].
- 63.** 2006 Tamas I. Gombosi; Gábor Tóth; Igor V. Sokolov; Ward B. Manchester; Aaron J. Ridley; Ilia I. Roussev; Darren L. De Zeeuw; Kenneth C. Hansen; Kenneth G. Powell; Quentin F. Stout
Halloween storm simulations with the space weather modeling framework
Collection of Technical Papers - 44th AIAA Aerospace Sciences Meeting, 2006;2:1111-1122.
- 64.** 2006 I.V. Sokolov; I.I. Roussev; L.A. Fisk; M.A. Lee; T.I. Gombosi; J.I. Sarai
Diffusive shock acceleration theory revisited
Astrophysical Journal, 2006;642(1 II):L81-L84.
- 65.** 2006 J.I. Sakai; K. Tsuchimoto; I.V. Sokolov
Simulation of collision of two current loops in the upper chromosphere using the two-fluid model
Astrophysical Journal, 2006;642(2 I):1236-1245.
- 66.** 2006 I.V. Sokolov; K.G. Powell; T.I. Gombosi; I.I. Roussev
A TVD principle and conservative TVD schemes for adaptive Cartesian grids
Journal of Computational Physics, 2006;220(1):1-5.
- 67.** 2006 E.P. Power; J.A. Nees; N.M. Naumova; K.-H. Hong; T. Matsuoka; V.P. Yanovsky; B. Hou; G.A. Mourou; I.V. Sokolov
Experimental observations of the relativistic deflection of light
Optics InfoBase Conference Papers, 2006.
- 68.** 2005 E.P. Power; J.A. Nees; N.M. Naumova; K.-H. Hong; T. Matsuoka; V.P. Yanovsky; B. Hou; G.A. Mourou; I.V. Sokolov
Experimental observations of the relativistic deflection of light
Optics InfoBase Conference Papers, 2005.
- 69.** 2005 E.P. Power; J.A. Nees; N.M. Naumova; K.-H. Hong; T. Matsuoka; V.P. Yanovsky; B. Hou; G.A. Mourou; I.V. Sokolov
Experimental observations of the relativistic deflection of light
Optics InfoBase Conference Papers, 2005.

- 70.** V. Tenishev; M. Combi; I. Sokolov; I. Roussev; T. Gombosi
 2005 **Numerical studies of the solar energetic particle transport and acceleration**
 36th AIAA Plasmadynamics and Lasers Conference, 2005.
-
- 71.** Gábor Tóth; Igor V. Sokolov; Tamas I. Gombosi; David R. Chesney; C. Robert Clauer; Darren L. De Zeeuw; Kenneth C. Hansen; Kevin J. Kane; Ward B. Manchester; Robert C. Oehmke; et al.
 2005 **Space weather modeling framework: A new tool for the space science community**
 Journal of Geophysical Research: Space Physics, 2005;110(A12):[A12226].
-
- 72.** J. Nees; N. Naumova; E. Power; V. Yanovsky; I. Sokolov; A. Maksimchuk; S.-W. Bahk; V. Chvykov; G. Kalintchenko; B. Hou; et al.
 2005 **Relativistic generation of isolated attosecond pulses: A different route to extreme intensity**
 Journal of Modern Optics, 2005;52(2-3):305-319.
-
- 73.** E.P. Power; J.A. Nees; N.M. Naumova; K.-H. Hong; T. Matsuoka; V.P. Yanovsky; B. Hou; G.A. Mourou; I.V. Sokolov
 2005 **Experimental observations of the relativistic deflection of light**
 Quantum Electronics and Laser Science Conference (QELS), 2005;3:1509-1511:[JThB3].
-
- 74.** W.B. Manchester IV; T.I. Gombosi; D.L. De Zeeuw; I.V. Sokolov; I.I. Roussev; K.G. Powell; J. Kóta; G. Tóth; T.H. Zurbuchen
 2005 **Coronal mass ejection shock and sheath structures relevant to particle acceleration**
 Astrophysical Journal, 2005;622(2 II):1225-1239.
-
- 75.** Jun-Ichi Sakai; Takamasa Masuda; Igor Sokolov
 2004 **Plasma jet formation by collision of two shock waves and by collision of two magnetic flux tubes**
 Journal of the Physical Society of Japan, 2004;73(7):1754-1763.
-
- 76.** N. Naumova; I. Sokolov; J. Nees; A. Maksimchuk; V. Yanovsky; G. Mourou
 2004 **Attosecond electron bunches**
 Physical Review Letters, 2004;93(19):195003-1-195003-4.
-
- 77.** Natalia M. Naumova; John A. Nees; Bixue Hou; Gerard A. Mourou; Igor V. Sokolov
 2004 **Isolated attosecond pulses generated by relativistic effects in a wavelength-cubed focal volume**
 Optics Letters, 2004;29(7):778-780.
-
- 78.** I.I. Roussev; I.V. Sokolov; T.G. Forbes; T.I. Gombosi; M.A. Lee; J.I. Sakai
 2004 **A numerical model of a coronal mass ejection: Shock development with implications for the acceleration of GeV protons**
 Astrophysical Journal, 2004;605(1 II):L73-L76.
-
- 79.** Yingjuan Ma; Andrew F. Nagy; Igor V. Sokolov; Kenneth C. Hansen
 2004 **Three-dimensional, multispecies, high spatial resolution MHD studies of the solar wind interaction with Mars**
 Journal of Geophysical Research: Space Physics, 2004;109(A7):[A07211].
-
- 80.** M. Opher; P.C. Liewer; M. Velli; L. Bettarini; T.I. Gombosi; W. Manchester; D.L. DeZeeuw; G. Toth; I. Sokolov
 2004 **Magnetic effects at the edge of the solar system: MHD instabilities, the de laval nozzle effect, and an extended jet**
 Astrophysical Journal, 2004;611(1 I):575-586.
-
- 81.** N.M. Naumova; J.A. Nees; I.V. Sokolov; B. Hou; G.A. Mourou
 2004 **Relativistic Generation of Isolated Attosecond Pulses in a λ^3 Focal Volume**
 Physical Review Letters, 2004;92(6):639021-639024.
-
- 82.** I.V. Sokolov; I.I. Roussev; T.I. Gombosi; M.A. Lee; J. Kóta; T.G. Forbes; W.B. Manchester; J.I. Sakai
 2004 **A new field line advection model for solar particle acceleration**
 Astrophysical Journal, 2004;616(2 II):L171-L174.
-
- 83.** Tamas I. Gombosi; Kenneth G. Powell; Darren L. De Zeeuw; C. Robert Clauer; Kenneth C. Hansen; Ward B. Manchester; Aaron J. Ridley; Ilia I. Roussev; Igor V. Sokolov; Quentin F. Stout; et al.
 2004 **Solution-Adaptive Magnetohydrodynamics for Space Plasmas: Sun-to-Earth Simulations**
 Computing in Science and Engineering, 2004;6(2):14-35.
-
- 84.** Ying-Juan Ma; Andrew F. Nagy; Thomas E. Cravens; Igor V. Sokolov; John Clark; Kenneth C. Hansen
 2004 **3-D global MHD model prediction for the first close flyby of Titan by Cassini**
 Geophysical Research Letters, 2004;31(22):1-4.
-
- 85.** Ward B. Manchester IV; Tamas I. Gombosi; Ilia Roussev; Aaron Ridley; Darren L. De Zeeuw; I.V. Sokolov; Kenneth G. Powell; Gábor Tóth
 2004 **Modeling a space weather event from the Sun to the Earth: CME generation and interplanetary propagation**
 Journal of Geophysical Research: Space Physics, 2004;109(A2):[A02107].
-
- 86.** N.M. Naumova; J.A. Nees; I.V. Sokolov; B. Hou; G.A. Mourou
 2004 **Erratum: Publisher's Note: Relativistic Generation of Isolated Attosecond Pulses in a λ^3 Focal Volume (Physical Review Letters (2004) 92 (063902))**
 Physical Review Letters, 2004;92(8):899011.
-
- 87.** E. Power; N. Naumova; J. Nees; B. Hou; S.-W. Bahk; V. Yanovsky; A. Maksimchuk; G. Mourou; I. Sokolov
 2004 **Efficient generation of isolated attosecond pulses through relativistic effects**
 OSA Trends in Optics and Photonics Series, 2004;96 A:1741-1742.
-
- 88.** E. Power; N. Naumova; J. Nees; B. Hou; S.-W. Bahk; V. Yanovsky; A. Maksimchuk; G. Mourou; I. Sokolov
 2004 **Efficient generation of isolated attosecond pulses through relativistic effects**
 OSA Trends in Optics and Photonics Series, 2004;97:1099-1100.

- 89.** Ward B, Manchester IV; Tamas I, Gombosi; Ilia Roussev; Darren L, De Zeeuw; I.V. Sokolov; Kenneth G. Powell; Gábor Tóth; Merav Opher
Three-dimensional MHD simulation of a flux rope driven CME
Journal of Geophysical Research: Space Physics, 2004;109(A1):[A01102].
-
- 90.** J.I. Sakai; K. Nishi; I.V. Sokolov
Formation of a sporadic plasma jet from a disrupting magnetic flux tube
Astrophysical Journal, 2003;584(2 I):1095-1106.
-
- 91.** Merav Opher; Paulett C. Liewer; Tamas I. Gombosi; Ward Manchester; Darren L. DeZeeuw; Igor Sokolov; Gabor Toth
Probing the edge of the solar system: Formation of an unstable jet-sheet
Astrophysical Journal, 2003;591(1 II):L61-L65.
-
- 92.** I.I. Roussev; T.I. Gombosi; I.V. Sokolov; M. Velli; W. Manchester IV; D.L. DeZeeuw; P. Liewer; G. Tóth; J. Luhmann
A three-dimensional model of the solar wind incorporating solar magnetogram observations
Astrophysical Journal, 2003;595(1 II):L57-L61.
-
- 93.** S.V. Bulanov; T.Zh. Esirkepov; N.M. Naumova; I.V. Sokolov
High-order harmonics from an ultraintense laser pulse propagating inside a fiber
Physical Review E - Statistical, Nonlinear, and Soft Matter Physics, 2003;67(1 2):164051-164054:[016405].
-
- 94.** Ilia I. Roussev; Terry G. Forbes; Tamas I. Gombosi; Igor V. Sokolov; Darren L. DeZeeuw; Joachim Birn
A three-dimensional flux rope model for coronal mass ejections based on a loss of equilibrium
Astrophysical Journal, 2003;588(1 II):L45-L48.
-
- 95.** J.I. Sakai; K. Nishi; I.V. Sokolov
A model of a single-loop flare: Disruption of a magnetic flux tube driven by collision of two moving solitary magnetic kinks
Astrophysical Journal, 2002;576(1 I):519-532.
-
- 96.** Alexander L. Velikovich; Igor V. Sokolov; Andrey A. Esaulov
Perfectly conducting incompressible fluid model of a wire array implosion
Physics of Plasmas, 2002;9(4):1366.
-
- 97.** Igor V. Sokolov; Eugene V. Timofeev; Jun-Ichi Sakai; Kazuyoshi Takayama
Artificial wind - A new framework to construct simple and efficient upwind shock-capturing schemes
Journal of Computational Physics, 2002;181(1):354-393.
-
- 98.** J.I. Sakai; K. Nishi; I.V. Sokolov
Heating of coronal loop footpoints by slingshot magnetic reconnection during two loop interactions driven by a moving solitary magnetic kink
Astrophysical Journal, 2002;576(2 I):1018-1030.
-
- 99.** J.-I. Sakai; A. Takahata; I.V. Sokolov
Heating of coronal loop footpoints by magnetic reconnection resulting from surface Alfvén waves and colliding plasma flows in chromospheric current sheets
Astrophysical Journal, 2001;556(2 PART 1):905-911.
-
- 100.** I.V. Sokolov; H.-M. Zhang; J.I. Sakai
Simple and efficient Godunov scheme for computational relativistic gas dynamics
Journal of Computational Physics, 2001;172(1):209-234.
-
- 101.** H.-M. Zhang; I.V. Sokolov; J.-I. Sakai
Oscillations, shocks, and fine wave structures arising during the coalescence of two force-free current loops
Plasma Physics Reports, 2001;27(4):303-314.
-
- 102.** Hui-Min Zhang; Igor V. Sokolov; Kyoko Furusawa; Jun-Ichi Sakai
Applications of artificial wind numerical scheme for relativistic hydrodynamics in astrophysics
Progress of Theoretical Physics Supplement, 2000;(138):642-643.
-
- 103.** Igor V. Sokolov; Hui-Min Zhang; Kyoko Furusawa; Jun-Ichi Sakai
Artificial wind numerical scheme for MHD and relativistic hydrodynamics
Progress of Theoretical Physics Supplement, 2000;(138):706-707.
-
- 104.** I.V. Sokolov; J.I. Sakai
Magnetohydrodynamics of a weakly ionized plasma: Ambipolar magnetic diffusion and shock front structure
Plasma Physics Reports, 2000;26(6):493-501.
-
- 105.** N.A. Bobrova; S.V. Bulanov; D. Farina; R. Pozzoli; T.L. Razinkova; J.I. Sakai; P.V. Sasorov; I.V. Sokolov
MHD simulations of plasma dynamics in pinch discharges in capillary plasmas
Laser and Particle Beams, 2000;18(4):623-638.
-
- 106.** G.A. Askar'yan; S.V. Bulanov; I.V. Sokolov
Formation of a hot plasma filament during the focusing of imploding cylindrical corona
Laser and Particle Beams, 2000;18(2):335-339.
-
- 107.** S.L. Popyrin; I.V. Sokolov; A.V. Yurkin
Three-dimensional geometrical analysis and the characteristics of laser generation in a multilobe mirror cavity
Optics Communications, 1999;164(4):297-305.
-
- 108.** G.A. Askar'yan; S.V. Bulanov; I.V. Sokolov
Production of a hot dense plasma by the focusing of plasma flows on the symmetry axis
Plasma Physics Reports, 1999;25(7):549-555.

- 109.** I.V. Sokolov
1999 **The temperature of low-energy electrons in a quasisteady nonequilibrium plasma tends to the ion temperature**
Plasma Physics Reports, 1999;25(6):511-516.
-
- 110.** P.A. Voynovich; M.O. Mdivnishvili; M.I. Taktakishvili; I.V. Sokolov
1999 **Superspherical cumulation. Converging shock waves with amplitudes increasing faster than in spherical cumulation**
Technical Physics, 1999;44(3):230-237.
-
- 111.** M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili; P.A. Voynovich
1999 **Super-spherical cumulation: Shock collapse which is more intense than the spherical one**
Shock Waves, 1999;9(3):149-158.
-
- 112.** Hui-Min Zhang; Igor Sokolov; Jun-Ichi Sakai
1999 **Shock wave phenomena in collisions between a current loop and a plasmoid**
Solar Physics, 1999;188(1):125-140.
-
- 113.** I.V. Sokolov; E.V. Timofeev; J. Sakai; K. Takayama
1999 **On shock-capturing schemes using artificial wind**
Shock Waves, 1999;9(6):423-427.
-
- 114.** I.V. Sokolov
1998 **Possibility of achieving gas-dynamic nuclear fusion in spherical, nonspherical, and superspherical configurations**
Plasma Physics Reports, 1998;24(6):521-528.
-
- 115.** S.V. Bulanov; I.V. Sokolov
1997 **Possibility for using a cumulative wave to create a nonequilibrium active medium for a recombination laser**
Plasma Physics Reports, 1997;23(3):190-193.
-
- 116.** I.V. Sokolov
1997 **Concept of low-entropy compression as applied to the development of chemically clean hypersonic wind tunnels**
Technical Physics Letters, 1997;23(10):744-745.
-
- 117.** G.A. Askar'yan; I.V. Sokolov
1997 **Instability and disruption of precision cumulation of cavities and mass flows in the field of gravitational and inertial forces and other dipole perturbations**
Journal of Experimental and Theoretical Physics, 1997;84(6):1090-1097.
-
- 118.** G.A. Askar'yan; I.V. Sokolov
1996 **Cumulation processes in gravitational and inertial force fields and in zero gravity**
JETP Letters, 1996;63(9):786-789.
-
- 119.** P.A. Voynovich; I.V. Sokolov
1996 **Cumulation of convergent shock waves in axisymmetric cavities**
Technical Physics Letters, 1996;22(7):549-550.
-
- 120.** E.M. Barkhudarov; M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili; V.E. Terekhin
1994 **Reflection of a ring shock wave from a rigid wall**
Shock Waves, 1994;3(4):273-278.
-
- 121.** I.V. Sokolov
1992 **On the contraction of gas by the interaction of an axisymmetrical converging shock wave with a quasi-conical point**
Izvestiya Akademii Nauk. Mekhanika Zhidkosti i Gaza. 1992;(5):162-167.
-
- 122.** E.M. Barkhudarov; M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili; V.E. Terekhin
1991 **Experimental simulation of hydrodynamic phenomena accompanying laser beam interactions in a gas**
Laser and Particle Beams, 1991;9(2):421-434.
-
- 123.** E.M. Barkhudarov; M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili; V.E. Terekhin
1991 **Mach reflection of a ring shock wave from the axis of symmetry**
Journal of Fluid Mechanics, 1991;226:497-509.
-
- 124.** Igor V Sokolov
1991 **IGNITION IN MIXTURES AND CHEMICAL-COMPOUNDS CONTAINING DEUTERIUM AND TRITIUM**
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI, 1991;100(1):173-188.
-
- 125.** Y.M. Beletski; D.F. Bykov; P.A. Voynovich; E.L. Satunina; I.V. Sokolov; V.E. Terekhin
1991 **CUMULATIVE EFFECT DURING INTERACTION OF STATIONARY AXISYMMETRICAL SHOCK-WAVE WITH CONIC STATE**
PISMA V ZHURNAL TEKHNICHESKOI FIZIKI, 1991;17(5):65-68.
-
- 126.** Igor V Sokolov
1991 **ANGULAR-MOMENTUM OF ELECTROMAGNETIC-WAVE, THE SADOVSKII EFFECT, AND MAGNETIC-FIELD GENERATION IN PLASMAS**
USPEKHI FIZICHESKIH NAUK, 1991;161(10):175-190.
-
- 127.** M. De Rosa; F. Famà; M.A. Harith; V. Palleschi; A. Salvetti; D.P. Singh; M. Vaselli; E.M. Barkhudarov; M.O. Mdivnishvili; I.V. Sokolov; et al.
1991 **Mach reflection phenomenon in the interaction of spherical shock waves in air**
Physics Letters A, 1991;156(1-2):89-95.
-
- 128.** Igor V Sokolov; Elena L. Tarasova

- 1990 **POTENTIALITY OF REALIZATION OF LIQUID-PLASMA PHASE-TRANSITION IN HYDROGEN UNDER HIGH-PRESSURE**
 Pisma V Zhurnal Tekhnicheskoi Fiziki. 1990;16(11):60-62.
-
129. Igor V Sokolov
1990 **ON GAS-COMPRESSION UNDER INTERACTION OF STATIONARY AXIALLY SYMMETRICAL CONVERGENT SHOCK-WAVE WITH QUASI-CONICAL POINT**
 Doklady Akademii Nauk Sssr. 1990;315(4):867-870.
-
130. Igor V Sokolov
1990 **HYDRODYNAMIC CUMULATIVE PROCESSES IN PLASMA PHYSICS**
 Uspekhi Fizicheskikh Nauk. 1990;160(11):143-166.
-
131. Igor V Sokolov
1990 **High-speed cumulative gas jets**
 Fluid Dynamics. 1990;24(4):613.
-
132. E. M. Barkhudarov; M. O. Mdivnishvili; I. V. Sokolov; M. I. Taktakishvili; V E Terekhin
1990 **FORMATION OF QUASISPHERICAL CONVERGING IMPLOSION SHOCK-WAVE UPON THE REFLECTION OF AN ANNULAR SHOCK-WAVE FROM A SOLID**
 JETP LETTERS. 1990;52(7):379-382.
-
133. e,M. Barkhudarov; M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili; V.E. Terekhin
1990 **Nonregular reflection of a ring shock from the axis of symmetry**
 Fluid Dynamics. 1990;25(5):810-812.
-
134. Igor V Sokolov
1989 **Title: Vorticity enhancement in convergent incompressible flows: Nonself-similar solution of the Navier-Stokes equations**
 Fluid Dynamics. 1989;24(3):409.
-
135. E. M. Barkhudarov; M. O. Mdivnishvili; I. V. Soolov; M. I. Taktakishvili
1989 **FORMATION OF CUMULATIVE JETS UNDER SHOCK-WAVE INTERACTION WITH A GAS-FILLED SOAP BUBBLE**
 PISMA V ZHURNAL TEKHNICHESKOI FIZIKI. 1989;15(10):50-55.
-
136. E.M. Barkhudarov; I.A. Kossyi; M.O. Mdivnishvili; I.V. Sokolov; M.I. Taktakishvili
1988 **Nonone-dimensional convergent shock waves**
 Fluid Dynamics. 1988;23(2):296-302.
-
137. I.V. Sokolov
1988 **Conical shock wave**
 High Temperature. 1988;26(3):420-426.
-
138. I.A. Kossyi; K.V. Krasnobaev; I.V. Sokolov; V.E. Terekhin
1987 **ACCUMULATION OF SHOCK WAVES EXCITED BY AN AXISYMMETRICAL SLIDING DISCHARGE.**
 Soviet Physics - Lebedev Institute Reports (English Translation of Sbornik Kratkie Soobshcheniya p. 1987;(11):1-4.
-
139. S.V. Bulanov; A.S. Sakharov; I.V. Sokolov
1986 **HIGH SPEED ELECTRON GENERATION BY NONLINEAR LANGMUIR OSCILLATIONS IN A NONUNIFORM PLASMA.**
 Soviet Physics - Lebedev Institute Reports (English Translation of Sbornik Kratkie Soobshcheniya p. 1986;(7):43-46.
-
140. Igor V Sokolov
1986 **PARAMETERS OF A BICONICAL MEASURING ANTENNA**
 Measurement Techniques Ussr. 1986;29(11):1074-1077.
-
141. Igor V Sokolov
1986 **BEHAVIOR OF AXISYMMETRICAL SHOCK-WAVES NEAR THE CUMULATION POINT**
 Zhurnal Eksperimentalnoi I Teoreticheskoi Fiziki. 1986;91(4):1331-1335.
-
142. Sergei V Bulanov; Igor V Sokolov
1984 **THE REVERSE INFLUENCE OF ACCELERATED PARTICLES ON THE STRUCTURE OF SHOCK-WAVE FRONTS**
 Astronomicheskii Zhurnal. 1984;61(5):882-891.
-
143. Sergei V Bulanov; Igor V Sokolov
1984 **EFFICIENCY OF CHARGED-PARTICLE ACCELERATION BY SHOCKS IN SUPERNOVA-REMNANTS AND IN SOLAR-FLARES**
 Soviet Astronomy Letters. 1984;10(4):247-249.
-

20 Conference Proceedings

[Back to top](#)

1. G. Toth; B. Van Der Holst; I. V. Sokolov; D. L. De Zeeuw; T. I. Gombosi; Fang Fang; W. B. Manchester; Xing Meng; D. Najib; K. G. Powell; Q. F. Stout; A. Glocer; Ying-Juan Ma; M. Opher
 Adaptive numerical algorithms in space weather modeling
2012. Academic Press Inc., 2012.
-
2. I. V. Sokolov; N. M. Naumova; J. A. Nees
2011 **Numerical modeling of radiation-dominated and quantum-electrodynamically strong regimes of laser-plasma interaction**
 2011. American Institute of Physics; 2011.
-
3. R. P. Drake; F. W. Doss; R. G. Mcdarren; M. L. Adams; N. Amato; D. Bingham; C. C. Chou; C. Distefano; K. Fidkowski; B. Fryxell; T. I. Gombosi; M. J. Grosskopf; J. P. Holloway; B. Van Der Holst; C. M. Huntington; S. Karni; C. M. Krauland; C. C. Kuranz; E. Larsen; B. Van Leer; B. Mallick; D. Marion; W. Martin; J. E. Morel; E. S. Myra; V. Nai Visco
 Radiative effects in radiative shocks in shock tubes
2011. Elsevier Science B.V.; 2011.
-

- 4.** J. P. Holloway; D. Bingham; Chuan-Chih Chou; F. Doss; R. P. Drake; B. Fryxell; M. Grosskopf; B. Van Der Holst; B. K. Mallick; R. McDarren; A. Mukherjee; V. Nair; K. G. Powell; D. Ryu; I. Sokolov; G. Toth; Zhanyang Zhang
Predictive modeling of a radiative shock system
2011. Elsevier Science Ltd.; 2011.
-
- 5.** B. Van Der Holst; G. Toth; I. V. Sokolov; K. G. Powell; J. P. Holloway; E. S. Myra; Q. Stout; M. L. Adams; J. E. Morel; S. Karni; B. Fryxell; R. P. Drake
Crash: a Block-Adaptive-Mesh Code for Radiative Shock Hydrodynamics-Implementation and Verification
2011, IOP Publishing Ltd.; 2011.
-
- 6.** A. J. Ridley; T. I. Gombosi; I. V. Sokolov; G. Toth; D. T. Welling
Numerical considerations in simulating the global magnetosphere
2010. European Geophysical Society; 2010.
-
- 7.** I. V. Sokolov; J. A. Nees; V. P. Yanovsky; N. M. Naumova; G. A. Mourou
Emission and its back-reaction accompanying electron motion in relativistically strong and QED-strong pulsed laser fields
2010. American Physical Society; 2010.
-
- 8.** I. V. Sokolov; N. M. Naumova; J. A. Nees; V. P. Yanovsky; G. A. Mourou
Radiation back-reaction in relativistically strong and QED-strong pulsed laser fields
2010; Brasov, Romania. American Institute of Physics; 2010.
-
- 9.** I. V. Sokolov; N. M. Naumova; J. A. Nees; G. A. Mourou
Pair Creation In QED-strong Pulsed Laser Fields Interacting With Electron Beams
2010. American Physical Society; 2010.
-
- 10.** R. P. Drake; F. W. Doss; B. Fryxell; M. J. Grosskopf; J. P. Holloway; B. Van Der Holst; C. Huntington; C. C. Kuranz; E. S. Myra; V. N. Nair; K. G. Powell; I. V. Sokolov; Q. F. Stout; G. Toth; A. J. Visco; M. L. Adams; J. E. Morel; B. Mallick; D. Bingham
Using high power lasers to create radiative shock waves
2009 Conference on Lasers & Electro Optics & The Pacific Rim Conference on Lasers and Electro-Optics (CLEO/PACIFIC RIM); 2009; Shanghai, China. IEEE; 2009.
-
- 11.** A. G. Mordovanakis; J. Easter; N. Naumova; K. Popov; P. -E. Masson-Labordre; Bixue Hou; I. Sokolov; G. Mourou; I. V. Glazyrin; W. Rozmus; V. Bychenkov; J. Nees; K. Krushelnick
Quasimonoenergetic electron beams with relativistic energies and ultrashort duration from laser-solid interactions at 0.5 kHz
2009. American Physical Society; 2009.
-
- 12.** R. P. Drake; F. W. Doss; B. Fryxell; M. J. Grosskopf; J. P. Holloway; B. Van Der Hoist; C. Huntington; C. C. Kuranz; E. S. Myra; V. J. Nair; K. G. Powell; I. V. Sokolov; Q. F. Stout; G. Toth; A. J. Visco; M. L. Adams; J. E. Morel; D. Bingham
Challenges to understanding radiative shocks
2009 IEEE 36th International Conference on Plasma Science (ICOPS); 2009; San Diego, CA, USA. IEEE; 2009.
-
- 13.** I. V. Sokolov; I. I. Roussev; M. Skender; T. I. Gombosi; A. V. Usmanov
Transport equation for MHD turbulence: application to particle acceleration at interplanetary shocks
2009, University of Chicago Press; 2009.
-
- 14.** I. V. Sokolov; N. M. Naumova; J. A. Nees; G. A. Mourou; V. P. Yanovsky
Dynamics of emitting electrons in strong laser fields
2009. American Institute of Physics; 2009.
-
- 15.** O. Cohen; I. V. Sokolov; I. I. Roussev; T. I. Gombosi
Validation of a synoptic solar wind model
2008. American Geophysical Union; 2008.
-
- 16.** W. B. Manchester; G. Toth; I. Sokolov; T. H. Zurbuchen; J. Kota
MHD simulations of CME-driven shocks: structures relevant to particle acceleration
2008; Kauai, HI, USA. AIP; 2008.
-
- 17.** I. V. Sokolov; I. I. Roussev
MHD turbulence model for global simulations of the solar wind and SEP acceleration
2008; Kauai, HI, USA. AIP; 2008.
-
- 18.** I. V. Sokolov; K. G. Powell; T. I. Gombosi; I. I. Roussev
A TVD principle and conservative TVD schemes for adaptive Cartesian grids
2006. Academic Press; 2006.
-
- 19.** N. Naumova; I. Sokolov; J. Nees; A. Maksimchuk; V. Yanovsky; G. Mourou
Attosecond electron bunches
2004. APS; 2004.
-
- 20.** N. M. Naumova; J. A. Nees; I. V. Sokolov; B. Hou; G. A. Mourou
Relativistic generation of isolated attosecond pulses in a λ^3 focal volume
2004. APS; 2004.
-



© 2016 Elsevier B.V All rights reserved. SciVal® is a registered trademark of Elsevier Properties SA | About SciVal Experts | Terms and conditions | Privacy statement | Contact

Powered by the Elsevier Fingerprint Engine™

U.S. National Library is the source of the 2012 MeSH thesaurus used in this solution | National Agricultural Library is the source of the 2012 NAL thesaurus used in this solution. | NASA is the source of the NASA thesaurus used in this solution

Cookies are set by this site. To decline them or learn more, visit our [Cookies page](#).