

M. Valery SHCHERBAKOV

[Laboratoire de Physique de Clermont Auvergne\(https://lamp.uca.fr/le-laboratoire/qui-sommes-nous\)](https://lamp.uca.fr/le-laboratoire/qui-sommes-nous)

Coordonnées

Mail	Valery.SHCHERBAKOV@uca.fr (mailto:Valery%2ESHCHERBAKOV%40uca%2Efr)
-------------	---

Informations complémentaires

Publications HAL de Valery,SHCHERBAKOV de la collection PRES_CLERMONT
2022

titre

[Empirical model of multiple-scattering effect on single-wavelength lidar data of aerosols and clouds\(https://uca.hal.science/hal-03620001\)](https://uca.hal.science/hal-03620001)

auteur

Valery Shcherbakov, Frédéric Szczap, Alaa Alkasem, Guillaume Mioche, Céline Cornet

article

Atmospheric Measurement Techniques, 2022, 15 (6), pp.1729-1754. [10.5194/amt-15-1729-2022\(https://dx.doi.org/10.5194/amt-15-1729-2022\)](https://dx.doi.org/10.5194/amt-15-1729-2022)

typdoc

Journal articles

DOI

DOI : [10.5194/amt-15-1729-2022\(https://dx.doi.org/10.5194/amt-15-1729-2022\)](https://dx.doi.org/10.5194/amt-15-1729-2022)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-03620001/file/amt-15-1729-2022.pdf>)  (<https://uca.hal.science/hal-03620001/bibtex>)

titre

[Study of the diffraction pattern of cloud particles and the respective responses of optical array probes\(
https://hal.science/hal-02113428\)](https://hal.science/hal-02113428)

auteur

Thibault Vaillant de Guélis, Alfons Schwarzenboeck, Valery Shcherbakov, Christophe Gourbeyre, Bastien Laurent, Régis Dupuy, Pierre Coutris, Christophe Duroure

article

Atmospheric Measurement Techniques, 2019, 12 (4), pp.2513-2529. [10.5194/amt-12-2513-2019](https://dx.doi.org/10.5194/amt-12-2513-2019)(
<https://dx.doi.org/10.5194/amt-12-2513-2019>)

typdoc

Journal articles

DOI

DOI : [10.5194/amt-12-2513-2019](https://dx.doi.org/10.5194/amt-12-2513-2019)(<https://dx.doi.org/10.5194/amt-12-2513-2019>)

Accès au texte intégral et bibtex

 (<https://hal.science/hal-02113428/file/Vaillant%20de%20Gu%C3%A9lis%20et%20al.%20-%202019%20-%20Study%20of%20the%20diffraction%20pattern%20of%20cloud%20particle.pdf>)  (
<https://hal.science/hal-02113428/bibtex>)

titre

[Diffraction patterns from opaque planar objects simulated with Maggi-Rubinowicz method and
angular spectrum theory](https://hal.science/hal-02073034)(<https://hal.science/hal-02073034>)

auteur

Thibault Vaillant de Guélis, Valery Shcherbakov, Alfons Schwarzenböck

article

Optics Express, 2019, 27 (7), pp.9372-9381. [10.1364/OE.27.009372](https://dx.doi.org/10.1364/OE.27.009372)(<https://dx.doi.org/10.1364/OE.27.009372>)

typdoc

Journal articles

DOI

DOI : [10.1364/OE.27.009372](https://dx.doi.org/10.1364/OE.27.009372)(<https://dx.doi.org/10.1364/OE.27.009372>)

Accès au texte intégral et bibtex

(<https://hal.science/hal-02073034/file/Vaillant%20de%20Gu%C3%A9lis%20et%20al.%20-%202019%20-%20Diffraction%20patterns%20from%20opaque%20planar%20objects%20si.pdf>)  (<https://hal.science/hal-02073034/bibtex>)

2018

titre

[Contribution à la compréhension du changement climatique](https://uca.hal.science/hal-01896033)(<https://uca.hal.science/hal-01896033>)

auteur

Pascal Personne, Valery Shcherbakov, Christophe Verhaege, Denis Cajal, Yahya Gour, Guy Febvre

article

Alexandra Knaebel, Gérald Ferblantier, Olivier Rohr, Pierre Mousseau et Rodolphe Dalle. *50 ans de recherche et d'innovation*, 1, [L'Harmattan](http://www.editions-harmattan.fr/index.asp?navig=catalogue&obj=livre&no=59689&razSqlClone=1)(<http://www.editions-harmattan.fr/index.asp?navig=catalogue&obj=livre&no=59689&razSqlClone=1>), pp.137-148, 2018, 978-2-343-10978-7

typdoc

Book sections

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01896033/file/Personne-50ansIUT-ChgtClim.pdf>)  (<https://uca.hal.science/hal-01896033/bibtex>)

2016

titre

[Quasi-Spherical Ice in Convective Clouds](https://uca.hal.science/hal-01891487)(<https://uca.hal.science/hal-01891487>)

auteur

Emma Järvinen, Martin Schnaiter, Guillaume Mioche, Olivier Jourdan, Valery Shcherbakov, Anja Costa, Armin Afchine, Martin Krämer, Fabian Heidelberg, Tina Jurkat, Christiane Voigt, Hans Schlager, Leonid Nichman, Martin Gallagher, Edwin Hirst, Carl Schmitt, Aaron Bansemer, Andy

Heymsfield, Paul A Lawson, Ugo Tricoli, Klaus Pfeilsticker, Paul Vochezer, Ottmar Möhler, Thomas Leisner

article

Journal of the Atmospheric Sciences, 2016, 73 (10), pp.3885 - 3910. [10.1175/JAS-D-15-0365.1](https://doi.org/10.1175/JAS-D-15-0365.1)(<https://dx.doi.org/10.1175/JAS-D-15-0365.1>)

typdoc

Journal articles

DOI

DOI : [10.1175/JAS-D-15-0365.1](https://doi.org/10.1175/JAS-D-15-0365.1)(<https://dx.doi.org/10.1175/JAS-D-15-0365.1>)

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01891487/file/%5B15200469%20-%20Journal%20of%20the%20Atmospheric%20Sciences%5D%20Quasi-Spherical%20Ice%20in%20Convective%20Clouds.pdf>)
(<https://uca.hal.science/hal-01891487/bibtex>)

titre

[Ground based in situ measurements of arctic cloud microphysical and optical properties at Mount Zeppelin, Svalbard](https://insu.hal.science/insu-01447641)(<https://insu.hal.science/insu-01447641>)

auteur

Gwenno   Guyot, Olivier Jourdan, Frans Olofson, Alfons Schwarzenboeck, Christophe Gourd  yre, Guy Febvre, R  gis Dupuy, Christophe Bernard, Peter Tunved, G  rard Ancellet, Kathy S. Law, Wolfram Wobrock, Valery Shcherbakov

article

17th International Conference on Clouds and Precipitation 2016, Jul 2016, Manchester, United Kingdom

typdoc

Conference papers

Acc  s au bibtex

(<https://insu.hal.science/insu-01447641/bibtex>)

titre

[Contribution à la compréhension du changement climatique\(https://uca.hal.science/hal-01896105\)](https://uca.hal.science/hal-01896105)

auteur

Pascal Personne, Valery Shcherbakov, Christophe Verhaege, Denis Cajal, Yahya Gour, Guy Febvre

article

Congrès National de la Recherche des IUT (CNRIUT'2016), Jun 2016, Nantes, France

typdoc

Conference papers

Accès au texte intégral et bibtex

 (https://uca.hal.science/hal-01896105/file/ChgtClim_CNRIUT_NANTES.pdf)  (<https://uca.hal.science/hal-01896105/bibtex>)

titre

[Porous aerosol in degassing plumes of Mt. Etna and Mt. Stromboli\(https://uca.hal.science/hal-01823396\)](https://uca.hal.science/hal-01823396)

auteur

Valery Shcherbakov, Olivier Jourdan, Christiane Voigt, Jean-François Gayet, Aurélien Chauvigné, Alfons Schwarzenboeck, Andreas Minikin, Marcus Klingebiel, Ralf Weigel, Stephan Borrmann, Tina Jurkat, Stefan Kaufmann, Romy Schlage, Christophe Gourdoyre, Guy Febvre, Tatyana Lapyonok, Wiebke Frey, Sergej Molleker, Bernadett Weinzierl

article

Atmospheric Chemistry and Physics, 2016, 16 (18), pp.11883 - 11897. [10.5194/acp-16-11883-2016](https://doi.org/10.5194/acp-16-11883-2016)(<https://dx.doi.org/10.5194/acp-16-11883-2016>)

typdoc

Journal articles

DOI

DOI : [10.5194/acp-16-11883-2016](https://doi.org/10.5194/acp-16-11883-2016)(<https://dx.doi.org/10.5194/acp-16-11883-2016>)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01823396/file/acp-16-11883-2016.pdf>)  (<https://uca.hal.science/hal-01823396/bibtex>)

titre

[Cloud chamber experiments on the origin of ice crystal complexity in cirrus clouds](https://uca.hal.science/hal-01890420)(https://uca.hal.science/hal-01890420)

auteur

Martin Schnaiter, Emma Järvinen, Paul Vochezer, Ahmed Abdelmonem, Robert Wagner, Olivier Jourdan, Guillaume Mioche, Valery Shcherbakov, Carl G Schmitt, Ugo Tricoli, Zbigniew Ulanowski, Andrew J Heymsfield

article

Atmospheric Chemistry and Physics, 2016, 16 (8), pp.5091-5110. [10.5194/acp-16-5091-2016](https://doi.org/10.5194/acp-16-5091-2016)(<https://dx.doi.org/10.5194/acp-16-5091-2016>)

typdoc

Journal articles

DOI

DOI : [10.5194/acp-16-5091-2016](https://doi.org/10.5194/acp-16-5091-2016)(https://dx.doi.org/10.5194/acp-16-5091-2016)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01890420/file/acp-16-5091-2016.pdf>)  (<https://uca.hal.science/hal-01890420/bibtex>)

2015

titre

[Ground based in situ measurements of arctic cloud microphysical and optical properties at Mount Zeppelin \(Ny-Alesund Svalbard\)](https://insu.hal.science/insu-01143527)(https://insu.hal.science/insu-01143527)

auteur

Gwenolé Guyot, Olivier Jourdan, Frans Olofson, Alfons Schwarzenboeck, Christophe Gourbeyre, Guy Febvre, Régis Dupuy, Christophe Bernard, Peter Tunved, Gérard Ancellet, Kathy S. Law, Wolfram Wobrock, Valery Shcherbakov

article

EGU General Assembly 2015, Apr 2015, Vienna, Austria. pp. EGU2015-14794, 2015

typdoc

Poster communications

Accès au bibtex

 (<https://insu.hal.science/insu-01143527/bibtex>)

2013

titre

[Why the 46° halo is seen far less often than the 22° halo?](https://uca.hal.science/hal-01823405)(<https://uca.hal.science/hal-01823405>)

auteur

Valery Shcherbakov

article

Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 124, pp.37 - 44. [10.1016/j.jqsrt.2013.03.002](https://doi.org/10.1016/j.jqsrt.2013.03.002)(<https://dx.doi.org/10.1016/j.jqsrt.2013.03.002>)

typdoc

Journal articles

DOI

DOI : [10.1016/j.jqsrt.2013.03.002](https://doi.org/10.1016/j.jqsrt.2013.03.002)(<https://dx.doi.org/10.1016/j.jqsrt.2013.03.002>)

Accès au bibtex

 (<https://uca.hal.science/hal-01823405/bibtex>)

2010

titre

[Néphélomètre polaire à double polarisation : incertitude et validation des mesures](https://uca.hal.science/hal-01896078)(<https://uca.hal.science/hal-01896078>)

auteur

Christophe Verhaege, Pascal Personne, Valery Shcherbakov, Jean-François Gayet

article

Journal national de la recherche en IUT, 2010, 1, pp.83-96

typdoc

Journal articles

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01896078/file/D2PN-JNRIUT.pdf>)  (<https://uca.hal.science/hal-01896078/bibtex>)

titre

[Probabilistic model of shattering effect on in-cloud measurements](https://uca.hal.science/hal-01823413)(<https://uca.hal.science/hal-01823413>)

auteur

Valery Shcherbakov, J.-F. Gayet, G. Febvre, A. Heymsfield, G. Mioche

article

Atmospheric Chemistry and Physics Discussions, 2010, 10 (4), pp.11009 - 11045. [10.5194/acpd-10-11009-2010](https://doi.org/10.5194/acpd-10-11009-2010)(<https://dx.doi.org/10.5194/acpd-10-11009-2010>)

typdoc

Journal articles

DOI

DOI : [10.5194/acpd-10-11009-2010](https://doi.org/10.5194/acpd-10-11009-2010)(<https://dx.doi.org/10.5194/acpd-10-11009-2010>)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01823413/file/acpd-10-11009-2010.pdf>)  (<https://uca.hal.science/hal-01823413/bibtex>)

titre

[Coupling of the microphysical and optical properties of an Arctic nimbostratus cloud during the ASTAR 2004 experiment: Implications for light-scattering modeling](https://hal.science/hal-01893505)(<https://hal.science/hal-01893505>)

auteur

Olivier Jourdan, Guillaume Mioche, Timothy J Garrett, Alfons Schwarzenboeck, Jérôme Vidot, Yu Xie, Valery Shcherbakov, Ping Yang, Jean-François Gayet

article

Journal of Geophysical Research, 2010, 115 (D23), [10.1029/2010jd014016](https://doi.org/10.1029/2010jd014016)(<https://dx.doi.org/10.1029/2010jd014016>)

typdoc

Journal articles

DOI

DOI : [10.1029/2010jd014016](https://dx.doi.org/10.1029/2010jd014016)(<https://dx.doi.org/10.1029/2010jd014016>)

Accès au texte intégral et bibtex

(<https://hal.science/hal-01893505/file/JourdanetalJGR2010JD014016.pdf>)



(<https://hal.science/hal-01893505/bibtex>)

2009

titre

[Néphélomètre polaire à double polarisation : incertitude et validation des mesures](https://uca.hal.science/hal-01896097)(<https://uca.hal.science/hal-01896097>)

auteur

Pascal Personne, Valery Shcherbakov, Jean-François Gayet, Christophe Verhaege

article

15ème Colloque National de la Recherche en IUT (CNRIUT2009), Jun 2009, Villeneuve d'Ascq, France

typdoc

Conference papers

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01896097/file/D2PN.pdf>)



(<https://uca.hal.science/hal-01896097/bibtex>)

titre

[On optical and microphysical characteristics of contrails and cirrus](https://uca.hal.science/hal-01896423)(<https://uca.hal.science/hal-01896423>)

auteur

Guy Febvre, Jean-François Gayet, Andreas Minikin, Hans Schlager, Valery Shcherbakov, Olivier Jourdan, Reinhold Busen, Markus Fiebig, Bernd Kärcher, Ulrich Schumann

article

Journal of Geophysical Research, 2009, 114 (D2), [10.1029/2008JD010184](https://doi.org/10.1029/2008JD010184)(<https://dx.doi.org/10.1029/2008JD010184>)

typdoc

Journal articles

DOI

DOI : [10.1029/2008JD010184](https://doi.org/10.1029/2008JD010184)(<https://dx.doi.org/10.1029/2008JD010184>)

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01896423/file/2008JD010184.pdf>) (<https://uca.hal.science/hal-01896423/bibtex>)

titre

[Retrieval of complex refractive index and size distribution of spherical particles from Dual-Polarization Polar Nephelometer data](https://uca.hal.science/hal-01872550)(<https://uca.hal.science/hal-01872550>)

auteur

Christophe Verhaege, Valery Shcherbakov, Pascal Personne

article

Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110 (14-16), pp.1690-1697.
[10.1016/j.jqsrt.2009.01.004](https://doi.org/10.1016/j.jqsrt.2009.01.004)(<https://dx.doi.org/10.1016/j.jqsrt.2009.01.004>)

typdoc

Journal articles

DOI

DOI : [10.1016/j.jqsrt.2009.01.004](https://doi.org/10.1016/j.jqsrt.2009.01.004)(<https://dx.doi.org/10.1016/j.jqsrt.2009.01.004>)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-01872550/file/retrieval_complex_index.pdf) (<https://uca.hal.science/hal-01872550/bibtex>)

2008

titre

[Retrieval of complex refractive index and size distribution of spherical particles from Dual-Polarization Polar Nephelometer data](https://uca.hal.science/hal-01897791)(<https://uca.hal.science/hal-01897791>)

auteur

Christophe Verhaege, Valery Shcherbakov, Pascal Personne

article

11th Electromagnetic and Light Scattering, Sep 2008, Hatfield, United Kingdom. 111, pp.2338 - 2348, 2004

typdoc

Poster communications

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01897791/file/poster.pdf>) (<https://uca.hal.science/hal-01897791/bibtex>)

titre

[Validation d'une méthode de restitution de l'indice de réfraction d'un ensemble de particules sphériques à partir d'une mesure de la lumière diffusée](https://uca.hal.science/hal-01896095)(<https://uca.hal.science/hal-01896095>)

auteur

Christophe Verhaege, Pascal Personne, Valery Shcherbakov

article

14ème Colloque National de la Recherche en IUT, May 2008, Villeurbanne, France

typdoc

Conference papers

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-01896095/file/verhaege_cnriut2008.pdf) (<https://uca.hal.science/hal-01896095/bibtex>)

titre

[Appareils de mesure pour la recherche environnementale](https://uca.hal.science/hal-01896093)(<https://uca.hal.science/hal-01896093>)

auteur

Christophe Verhaege, Sylvain Lepetit, Dominique Carboni, Pascal Personne, Valery Shcherbakov, Jean-François Gayet, Jean-François Fournol

article

14ème Colloque National de la Recherche en IUT, May 2008, Villeurbanne, France

typdoc

Conference papers

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01896093/file/AppareilsdeMes.pdf>)  (<https://uca.hal.science/hal-01896093/bibtex>)

titre

[Limitations on retrieval of complex refractive index of spherical particles from scattering measurements](https://uca.hal.science/hal-01872535)(<https://uca.hal.science/hal-01872535>)

auteur

Christophe Verhaege, Valery Shcherbakov, Pascal Personne

article

Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109 (14), pp.2338 - 2348.
[10.1016/j.jqsrt.2008.05.009](https://doi.org/10.1016/j.jqsrt.2008.05.009)(<https://dx.doi.org/10.1016/j.jqsrt.2008.05.009>)

typdoc

Journal articles

DOI

DOI : [10.1016/j.jqsrt.2008.05.009](https://doi.org/10.1016/j.jqsrt.2008.05.009)(<https://dx.doi.org/10.1016/j.jqsrt.2008.05.009>)

Accès au texte intégral et bibtex

 (https://uca.hal.science/hal-01872535/file/Limitations_retrieval.pdf)  (<https://uca.hal.science/hal-01872535/bibtex>)

2007

titre

[Assessment of Refractive Index and Microphysical Parameters of Spherical Aerosols from Data of Dual-Polarization Polar Nephelometer](https://uca.hal.science/hal-01897783)(https://uca.hal.science/hal-01897783)

auteur

Christophe Verhaege, Pascal Personne, Valery Shcherbakov

article

17th International Conference on Nucleation and Atmospheric Aerosols (ICNAA), Aug 2007, Galway, Ireland. 17th International Conference on Nucleation and Atmospheric Aerosols (ICNAA) pp.65 - 106, 2005

typdoc

Poster communications

Accès au texte intégral et bibtex

 (https://uca.hal.science/hal-01897783/file/poster.pdf)  (https://uca.hal.science/hal-01897783/bibtex)

titre

[Assessment of Refractive Index and Microphysical Parameters of Spherical Aerosols from Data of Dual-Polarization Nephelometer](https://uca.hal.science/hal-01872760)(https://uca.hal.science/hal-01872760)

auteur

Christophe Verhaege, Pascal Personne, Valery Shcherbakov

article

17th International Conference on Nucleation and Atmospheric Aerosols, Colin D. O'Dowd; Paul E. Wagner, Aug 2007, Galway, Ireland. pp.746-749, [10.1007/978-1-4020-6475-3_147](https://dx.doi.org/10.1007/978-1-4020-6475-3_147)(https://dx.doi.org/10.1007/978-1-4020-6475-3_147)

typdoc

Conference papers

DOI

DOI : [10.1007/978-1-4020-6475-3_147](https://dx.doi.org/10.1007/978-1-4020-6475-3_147)(https://dx.doi.org/10.1007/978-1-4020-6475-3_147)

Accès au texte intégral et bibtex

 (https://uca.hal.science/hal-01872760/file/17icnaa-abstract_verhaege.pdf)  (https://uca.hal.science/hal-01872760/bibtex)

titre

[Regularized algorithm for Raman lidar data processing\(https://uca.hal.science/hal-01823420\)](https://uca.hal.science/hal-01823420)

auteur

Valery Shcherbakov

article

Applied optics, 2007, 46 (22), [10.1364/AO.46.004879\(https://dx.doi.org/10.1364/AO.46.004879\)](https://dx.doi.org/10.1364/AO.46.004879)

typdoc

Journal articles

DOI

DOI : [10.1364/AO.46.004879\(https://dx.doi.org/10.1364/AO.46.004879\)](https://dx.doi.org/10.1364/AO.46.004879)

Accès au bibtex

[https://uca.hal.science/hal-01823420/bibtex\)](https://uca.hal.science/hal-01823420/bibtex)

2006

titre

[Light Scattering by Single Natural Ice Crystals\(https://uca.hal.science/hal-01823427\)](https://uca.hal.science/hal-01823427)

auteur

Valery Shcherbakov, Jean-François Gayet, Brad Baker, Paul A Lawson

article

Journal of the Atmospheric Sciences, 2006, 63 (5), pp.1513 - 1525. [10.1175/JAS3690.1\(https://dx.doi.org/10.1175/JAS3690.1\)](https://dx.doi.org/10.1175/JAS3690.1)

typdoc

Journal articles

DOI

DOI : [10.1175/JAS3690.1\(https://dx.doi.org/10.1175/JAS3690.1\)](https://dx.doi.org/10.1175/JAS3690.1)

Accès au texte intégral et bibtex



(<https://uca.hal.science/hal-01823427/file/%5B15200469%20-%20Journal%20of%20the%20Atmospheric%20Sciences%5D%20Light%20Scattering%20by%20Single%20Natural%20Ice%20Crystals.pdf>)  (<https://uca.hal.science/hal-01823427/bibtex>)

titre

[Light scattering on Chebyshev particles of higher order](https://uca.hal.science/hal-01895939)(<https://uca.hal.science/hal-01895939>)

auteur

Tom Rother, Karsten Schmidt, Jochen Wauer, Valery Shcherbakov, Jean-François Gayet

article

Applied optics, 2006, 45 (23), [10.1364/AO.45.006030](https://dx.doi.org/10.1364/AO.45.006030)(<https://dx.doi.org/10.1364/AO.45.006030>)

typdoc

Journal articles

DOI

DOI : [10.1364/AO.45.006030](https://dx.doi.org/10.1364/AO.45.006030)(<https://dx.doi.org/10.1364/AO.45.006030>)

Accès au bibtex



(<https://uca.hal.science/hal-01895939/bibtex>)

titre

[Light scattering by single ice crystals of cirrus clouds](https://uca.hal.science/hal-01823423)(<https://uca.hal.science/hal-01823423>)

auteur

Valery Shcherbakov, Jean-François Gayet, Olivier Jourdan, Johan Ström, Andreas Minikin

article

Geophysical Research Letters, 2006, 33 (15), [10.1029/2006GL026055](https://dx.doi.org/10.1029/2006GL026055)(<https://dx.doi.org/10.1029/2006GL026055>)

typdoc

Journal articles

DOI

DOI : [10.1029/2006GL026055](https://dx.doi.org/10.1029/2006GL026055)(<https://dx.doi.org/10.1029/2006GL026055>)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01823423/file/2006GL026055.pdf>)  (<https://uca.hal.science/hal-01823423/bibtex>)

titre

[Microphysical and optical properties of midlatitude cirrus clouds observed in the southern hemisphere during INCA.](https://insu.hal.science/insu-00152551)(<https://insu.hal.science/insu-00152551>)

auteur

Jean-François Gayet, Valery Shcherbakov, H. Mannstein, A. Minikin, U. Schumann, J. Ström, A. Petzold, J. Ovarlez

article

Quarterly Journal of the Royal Meteorological Society, 2006, pp.2719-2748. [10.1256/qj.05.162](https://dx.doi.org/10.1256/qj.05.162)(<https://dx.doi.org/10.1256/qj.05.162>)

typdoc

Journal articles

DOI

DOI : [10.1256/qj.05.162](https://dx.doi.org/10.1256/qj.05.162)(<https://dx.doi.org/10.1256/qj.05.162>)

Accès au bibtex

 (<https://insu.hal.science/insu-00152551/bibtex>)

titre

[Microphysical and optical properties of atmospheric ice crystals at South Pole Station.](https://insu.hal.science/insu-00152567)(<https://insu.hal.science/insu-00152567>)

auteur

R.P. Lawson, B.A. Baker, P. Zmarly, D. O'Connor, Q. Mo, Jean-François Gayet, Valery Shcherbakov

article

Journal of Applied Meteorology and Climatology, 2006, 45 (11), pp.1505-1524. [10.1175/JAM2421.1](https://dx.doi.org/10.1175/JAM2421.1)(<https://dx.doi.org/10.1175/JAM2421.1>)

typdoc

Journal articles

DOI

DOI : [10.1175/JAM2421.1](https://dx.doi.org/10.1175/JAM2421.1)(<https://dx.doi.org/10.1175/JAM2421.1>)

Accès au texte intégral et bibtex

(<https://insu.hal.science/insu-00152567/file/%5B15588432%20-%20Journal%20of%20Applied%20Meteorology%20and%20Climatology%5D%20Microphysical%20and%20Optical%20Properties%20of%20Atmospheric%20Ice%20Crystals%20at%20South%20Pole%20Station.pdf>) (<https://insu.hal.science/insu-00152567/bibtex>)

2005

titre

[Assessment of Cirrus Cloud Optical and Microphysical Data Reliability by Applying Statistical Procedures](https://uca.hal.science/hal-01823433)(<https://uca.hal.science/hal-01823433>)

auteur

Valery Shcherbakov, Jean-François Gayet, Olivier Jourdan, Andreas Minikin, Johan Ström, Andreas Petzold

article

Journal of Atmospheric and Oceanic Technology, 2005, 22 (4), pp.409 - 420. [10.1175/JTECH1710.1](https://dx.doi.org/10.1175/JTECH1710.1)(<https://dx.doi.org/10.1175/JTECH1710.1>)

typdoc

Journal articles

DOI

DOI : [10.1175/JTECH1710.1](https://dx.doi.org/10.1175/JTECH1710.1)(<https://dx.doi.org/10.1175/JTECH1710.1>)

Accès au texte intégral et bibtex

(<https://uca.hal.science/hal-01823433/file/%5B15200426%20-%20Journal%20of%20Atmospheric%20and%20Oceanic%20Technology%5D%20Assessment%20of%20Cirrus%20Cloud%20Optical%20and%20Microphysical%20Data%20Reliability%20by%20Applying%20Statistical%20Procedures.pdf>) (<https://uca.hal.science/hal-01823433/bibtex>)

2004

titre

[Aerosol lidar intercomparison in the framework of the EARLINET project 2 Aerosol backscatter algorithms](https://uca.hal.science/hal-01895946)(<https://uca.hal.science/hal-01895946>)

auteur

Christine Böckmann, Ulla Wandinger, Albert Ansmann, Jens Bösenberg, Vassilis Amiridis, Antonella Boselli, Arnaud Delaval, Ferdinando de Tomasi, Max Frioud, Ivan Videnov Grigorov, Arne Hågård, Matej Horvat, Marco Iarlori, Leonce Komguem, Stephan Kreipl, Gilles Larchevêque, Matthias Matthias, Alexandros Papayannis, Gelsomina Pappalardo, Francesc Rocadenbosch, José António Rodrigues, Johannes M. Schneider, Valery Shcherbakov, Matthias Wiegner

article

Applied optics, 2004, 43 (4), [10.1364/AO.43.000977](https://dx.doi.org/10.1364/AO.43.000977)(<https://dx.doi.org/10.1364/AO.43.000977>)

typdoc

Journal articles

DOI

DOI : [10.1364/AO.43.000977](https://dx.doi.org/10.1364/AO.43.000977)(<https://dx.doi.org/10.1364/AO.43.000977>)

Accès au bibtex

(<https://uca.hal.science/hal-01895946/bibtex>)

titre

[Cirrus cloud microphysical and optical properties at southern and northern midlatitudes during the INCA experiment](https://uca.hal.science/hal-01896600)(<https://uca.hal.science/hal-01896600>)

auteur

Jean-François Gayet, Joëlle Ovarlez, Valery Shcherbakov, Johan Ström, Ulrich Schumann, Andreas Minikin, Frédérique Auriol, Andreas Petzold, Marie Monier

article

Journal of Geophysical Research, 2004, 109 (D20), [10.1029/2004JD004803](https://dx.doi.org/10.1029/2004JD004803)(<https://dx.doi.org/10.1029/2004JD004803>)

typdoc

Journal articles

DOI

DOI : [10.1029/2004JD004803](https://dx.doi.org/10.1029/2004JD004803)(<https://dx.doi.org/10.1029/2004JD004803>)

Accès au texte intégral et bibtex

 (<https://uca.hal.science/hal-01896600/file/2004JD004803.pdf>)  (<https://uca.hal.science/hal-01896600/bibtex>)

2003

titre

[Statistical analysis of cloud light scattering and microphysical properties obtained from airborne measurements](https://hal.science/hal-01982541)(<https://hal.science/hal-01982541>)

auteur

Olivier Jourdan, Sergey Oshchepkov, Jean-François Gayet, Valery Shcherbakov, Harumi Isaka

article

Journal of Geophysical Research, 2003, 108 (D5), [10.1029/2002jd002723](https://dx.doi.org/10.1029/2002jd002723)(<https://dx.doi.org/10.1029/2002jd002723>)

typdoc

Journal articles

DOI

DOI : [10.1029/2002jd002723](https://dx.doi.org/10.1029/2002jd002723)(<https://dx.doi.org/10.1029/2002jd002723>)

Accès au texte intégral et bibtex

 (<https://hal.science/hal-01982541/file/Jourdan1JGR-2003.pdf>)  (<https://hal.science/hal-01982541/bibtex>)

titre

[Assessment of cloud optical parameters in the solar region: Retrievals from airborne measurements of scattering phase functions](https://hal.science/hal-01982546)(<https://hal.science/hal-01982546>)

auteur

Olivier Jourdan, Sergey Oshchepkov, Valery Shcherbakov, Jean-François Gayet, Harumi Isaka

article

Journal of Geophysical Research, 2003, 108 (D18), [10.1029/2003jd003493](https://doi.org/10.1029/2003jd003493)(<https://dx.doi.org/10.1029/2003jd003493>)

typdoc

Journal articles

DOI

DOI : [10.1029/2003jd003493](https://doi.org/10.1029/2003jd003493)(<https://dx.doi.org/10.1029/2003jd003493>)

Accès au texte intégral et bibtex

(<https://hal.science/hal-01982546/file/Jourdan2JGR-2003.pdf>) (<https://hal.science/hal-01982546/bibtex>)

2001

titre

[Processes of long-term relaxation of stratospheric aerosol layer in Northern Hemisphere midlatitudes after a powerful volcanic eruption](https://uca.hal.science/hal-01896479)(<https://uca.hal.science/hal-01896479>)

auteur

V.V Zuev, V.D Burlakov, A.V El'nikov, A.P Ivanov, A.P Chaikovskii, Valery Shcherbakov

article

Atmospheric Environment, 2001, 35 (30), pp.5059 - 5066. [10.1016/S1352-2310\(01\)00327-2](https://doi.org/10.1016/S1352-2310(01)00327-2)([https://dx.doi.org/10.1016/S1352-2310\(01\)00327-2](https://dx.doi.org/10.1016/S1352-2310(01)00327-2))

typdoc

Journal articles

DOI

DOI : [10.1016/S1352-2310\(01\)00327-2](https://doi.org/10.1016/S1352-2310(01)00327-2)([https://dx.doi.org/10.1016/S1352-2310\(01\)00327-2](https://dx.doi.org/10.1016/S1352-2310(01)00327-2))

Accès au bibtex

(<https://uca.hal.science/hal-01896479/bibtex>)

2000

titre

[Dynamics of the optical parameters of the Pinatubo aerosol layer from spectral polarization lidar measurements\(https://uca.hal.science/hal-01899224\)](https://uca.hal.science/hal-01899224)

auteur

A.P Ivanov, A.P Chaikovskii, F.P. Osipenko, Valery Shcherbakov, S. Pukhalskii, P. Sobolevskii

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 2000, 36 (1), pp.105-111

typdoc

Journal articles

Accès au bibtex

 (<https://uca.hal.science/hal-01899224/bibtex>)

1999

titre

[Optical monitoring of stratospheric aerosol and ozone in Belarus\(https://uca.hal.science/hal-01897560\)](https://uca.hal.science/hal-01897560)

auteur

A.P Ivanov, A.N. Krasovsky, A.M. Liudchik, F.P. Osipenko, A.P. Chaikovsky, Valery Shcherbakov

article

Lithuanian Journal of Physics, 1999, 39 (4-5), pp.417-427

typdoc

Journal articles

Accès au bibtex

 (<https://uca.hal.science/hal-01897560/bibtex>)

1998

titre

[Study of aerosol pollution of the atmosphere over an industrial region using lidars\(https://uca.hal.science/hal-01897478\)](https://uca.hal.science/hal-01897478)

auteur

A.P Ivanov, A.P. Chaykovskii, F.P. Osipenko, I.S. Khutko, M.M. Korol', Valery Shcherbakov, V.P. Kabashnikov

article

Atmospheric and oceanic optics, 1998, 11 (4), pp.322-330

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897478/bibtex>)

1997

titre

[Lidar measurements of stratosphere performed in Belarus in support of LITE](https://uca.hal.science/hal-01897566)(<https://uca.hal.science/hal-01897566>)

auteur

A. P. Chaikovsky, A.P Ivanov, F.P. Osipenko, Valery Shcherbakov

article

Lithuanian Journal of Physics, 1997, 37 (4), pp.357-360

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897566/bibtex>)

titre

[Dynamics of optical parameters of the stratospheric aerosol layer following the eruption of Mt Pinatubo from lidar data](https://uca.hal.science/hal-01899230)(<https://uca.hal.science/hal-01899230>)

auteur

A.P Ivanov, F.P. Osipenko, A.P Chaikovskii, Valery Shcherbakov, S.B. Tauroginskaya

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1997, 33 (2), pp.202-208

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01899230/bibtex>)

titre

[Multi-wavelength lidar measurements of background aerosol and aerosol pollution](https://uca.hal.science/hal-01897571)(<https://uca.hal.science/hal-01897571>)

auteur

A.P. Chaikovsky, A.P Ivanov, F.P. Osipenko, Valery Shcherbakov, I.S. Hutko, M.M. Korol', S.B. Tauroginskaya

article

Lithuanian Journal of Physics, 1997, 37 (4), pp.349-356

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897571/bibtex>)

1996

titre

[Two-wavelength lidar measurement technique and data on stratospheric aerosol optical parameters](https://uca.hal.science/hal-01897499)(<https://uca.hal.science/hal-01897499>)

auteur

A.P Ivanov, A.P. Chaykovskii, Valery Shcherbakov, F.P. Osipenko, M.M. Korol', S.B. Tauroginskaya

article

Atmospheric and oceanic optics, 1996, 9 (12), pp.1009-1014

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897499/bibtex>)

1994

titre

[Study of aerosol extinction spectra of continental troposphere](https://uca.hal.science/hal-01899242)(<https://uca.hal.science/hal-01899242>)

auteur

A.P Ivanov, A.P. Chaikovsky, F.P. Osipenko, Valery Shcherbakov, I.S. Hutko, S.B. Tauroginskaya

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1994, 30 (3), pp.411-416

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01899242/bibtex>)

titre

[Optimized linear estimate of integral parameters of multicomponent aerosol](https://uca.hal.science/hal-01897428).(<https://uca.hal.science/hal-01897428>)

auteur

S.B. Tauroginskaya, A.P. Chaykovskii, Valery Shcherbakov

article

Atmospheric and oceanic optics, 1994, 7 (10), pp.753-757

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897428/bibtex>)

1993

titre

[Optical characteristics of the stratosphere after the Mt. Pinatubo eruption as assessed from spectral polarization lidar measurements](https://uca.hal.science/hal-01897510)(https://uca.hal.science/hal-01897510)

auteur

A.P Ivanov, F.P. Osipenko, A.P. Chaykovskii, Valery Shcherbakov

article

Atmospheric and oceanic optics, 1993, 6 (10), pp.707-710

typdoc

Journal articles

Accès au bibtex



(<https://uca.hal.science/hal-01897510/bibtex>)

titre

[Statistical-analysis of the laser remote-sensing data on stratospheric aerosol](https://uca.hal.science/hal-01899076)(https://uca.hal.science/hal-01899076)

auteur

A.P Ivanov, S.S. Khmelevtsov, A.P. Chaikovsky, Valery Shcherbakov

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1993, 29 (1), pp.82-85

typdoc

Journal articles

Accès au bibtex



(<https://uca.hal.science/hal-01899076/bibtex>)

titre

[Measurements of stratospheric cloud parameters at middle latitudes\(https://uca.hal.science/hal-01899249\)](https://uca.hal.science/hal-01899249)

auteur

S.S. Khmelevtsev, M.P. Makkormik, Y.G. Kaufman, A.P. Chaikovsky, Valery Shcherbakov

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1993, 29 (5), pp.695-696

typdoc

Journal articles

Accès au bibtex

 (<https://uca.hal.science/hal-01899249/bibtex>)

1991

titre

[A stable algorithm for processing multifrequency data\(https://uca.hal.science/hal-01897437\)](https://uca.hal.science/hal-01897437)

auteur

B. Mielke, Valery Shcherbakov

article

Atmospheric and oceanic optics, 1991, 4 (3), pp.308-313

typdoc

Journal articles

Accès au bibtex

 (<https://uca.hal.science/hal-01897437/bibtex>)

1989

titre

[Accounting for aerosol extinction in the interpretation of data on lidar sensing of the stratosphere\(https://uca.hal.science/hal-01897455\)](https://uca.hal.science/hal-01897455)

auteur

A.P. Chaykovskii, Valery Shcherbakov

article

Atmospheric and oceanic optics, 1989, 2 (5), pp.453-455

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01897455/bibtex>)

titre

[The variations of microstructure and statistical characteristics of the aerosol backscattering index in the atmospheric boundary layer from multiwave sounding data](https://uca.hal.science/hal-01899096)(<https://uca.hal.science/hal-01899096>)

auteur

F.P. Osipenko, A.P. Chaikovsky, Valery Shcherbakov

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1989, 25 (7), pp.717-722

typdoc

Journal articles

Accès au bibtex

(<https://uca.hal.science/hal-01899096/bibtex>)

1986

titre

[The study of the aerosol optical characteristics and microstructure using the multiwavelength lidar technique](https://uca.hal.science/hal-01899106)(<https://uca.hal.science/hal-01899106>)

auteur

A.P Ivanov, F.P. Osipenko, A.P. Chaikovsky, Valery Shcherbakov

article

Izvestiya akademii nauk Fizika atmosfery i okeana, 1986, 22 (8), pp.813-822

typdoc

Journal articles

Accès au bibtex



(<https://uca.hal.science/hal-01899106/bibtex>)

1984

titre

[Determination of integral characteristics of the functions of sub-micron aerosol fraction size distribution density using optical measurements data](https://uca.hal.science/hal-01899125)(<https://uca.hal.science/hal-01899125>)

auteur

A.P Chaikovskii, Valery Shcherbakov, A.P Ivanov

article

Doklady nacionalnoy Akademii nauk Belarusi, 1984, 28 (9), pp.792-795

typdoc

Journal articles

Accès au bibtex



(<https://uca.hal.science/hal-01899125/bibtex>)

1979

titre

[Interferometry of inhomogeneous-media with short-length radiation coherence](https://uca.hal.science/hal-01899142)(<https://uca.hal.science/hal-01899142>)

auteur

A.P Ivanov, A.P Chaikovskii, Valery Shcherbakov

article

Doklady nacionalnoy Akademii nauk Belarusi, 1979, 23 (11), pp.979-982

typdoc

Journal articles

Accès au bibtex



(<https://uca.hal.science/hal-01899142/bibtex>)

Rechercher

<https://lamp.uca.fr/le-laboratoire/membres/m-valery-shcherbakov>(<https://lamp.uca.fr/le-laboratoire/membres/m-valery-shcherbakov>)