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Forskningsoutput

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Penttilä, A., Zubko, E., Lumme, K., Muinonen, K., Yurkin, M., Shkuratov, Y. & Hoekstra, A., 2006, *Proceedings of the Ninth Conference on Electromagnetic and Light Scattering by Nonspherical Particles*. s. 227-230 4 s.

Light scattering efficiency of starch acetate pigments as a function of size and packing density

Penttilä, A., Lumme, K. & Kuutti, L., 2006, I: *Applied Optics*. 45, 15, s. 3501-3509 9 s.

Coherent backscattering by aggregates of spherical constituents

Lumme, K., Penttilä, A. & Muinonen, K., 2005, *Proceedings of the 8th Conference on Electromagnetic and Light Scattering by Nonspherical Particles: Theory, Measurements, and Applications : 2005*.

Numerical solution to the first-order scattering by rough surfaces

Penttilä, A. & Lumme, K., 2005, *Proceedings of the 8th Conference on Electromagnetic and Light Scattering by Nonspherical Particles: Theory, Measurements, and Applications : 2005*.

Statistical analysis of asteroidal and cometary polarization phase curves

Penttilä, A., Lumme, K., Hadamchik, E. & Levasseur-Regourd, A.-C., 2005, I: *Astronomy & Astrophysics*. 432, 3, s. 1081-1090 10 s.

The effect of particle shape on scattering - A study with a collection of axisymmetric particles and sphere clusters

Penttilä, A. & Lumme, K., 2004, I: *Journal of Quantitative Spectroscopy & Radiative Transfer*. 89, 1-4, s. 303-310 8 s.

Light scattering by large densely-packed aggregates: A wave-optical approach

Lumme, K., Green, K., Muinonen, K. & Penttilä, A., 2003, *Electromagnetic and Light Scattering - Theory and Applications VII: Proceedings of the 7th Conference on electromagnetic and Light Scattering by Nonspherical Particles: Theory, Measurements and Applications*. Bremen, Germany, s. 220-223 4 s.

The effect of particle shape on scattering - A study with a collection of axisymmetric particles and sphere clusters

Penttilä, A. & Lumme, K., 2003, *Electromagnetic and Light Scattering - Theory and Applications VII*. Wriedt, T. (red.). Bremen, Germany, s. 289-292 4 s.

Theoretical analysis of the particle properties and polarization measurements made in microgravity

Penttilä, A., Lumme, K., Worms, J. C., Hadamchik, E., Renard, J. B. & Levasseur-Regourd, A. C., 2003, I: *Journal of Quantitative Spectroscopy & Radiative Transfer*. 79, s. 1043-1049 7 s.

Light scattering by cometary dust - A review of the codes, constraints and results

Lumme, K. & Penttilä, A., 2002, *Proceedings of the 6th Conference on Electromagnetic and Light Scattering by Nonspherical Particles: Theory, Measurements and Applications*. Florida, USA, s. 195-198 4 s.

Partikkelien muodon mallintaminen niiden 2D-satunnaisprojektioista

Penttilä, A., 2002, 53 s.

Aktiviteter

Nature Astronomy (Tidskrift)

Penttilä, A. (Referentgranskare)

2025

NEO absolute magnitudes with H,G1,G2 photometric function

Penttilä, A. (!!Speaker)

11 nov. 2024

Advances in Space Research (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Astronomical Journal (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Astronomy & Astrophysics (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Astronomy and Astrophysics Review (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Icarus (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

International Journal of Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Journal of Astronomical Telescopes, Instruments, and Systems (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

New Astronomy (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

The Planetary Science Journal (Tidskrift)

Penttilä, A. (Referentgranskare)
2024

Applied Optics (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Astronomical Journal (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Geo-spatial information science (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Icarus (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Icarus (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Modeling the asteroid polarization of the DART mission impact ejecta

Penttilä, A. (!!Speaker)
2023

Nature Communications (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Nature Communications (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Scientific Reports (Tidskrift)

Penttilä, A. (Referentgranskare)
2023

Earth and Planetary Science Letters (Tidskrift)

Penttilä, A. (Referentgranskare)
2022

Frontiers in Physics (Tidskrift)

Penttilä, A. (Referentgranskare)
2022

Icarus (Tidskrift)

Penttilä, A. (Referentgranskare)
2022 → ...

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2022

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2022

Remote Sensing (Tidskrift)
Penttilä, A. (Referentgranskare)
2022

The Planetary Science Journal (Tidskrift)
Penttilä, A. (Referentgranskare)
2022

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)
Penttilä, A. (Referentgranskare)
2021

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)
Penttilä, A. (Referentgranskare)
2021

Optics Letters (Tidskrift)
Penttilä, A. (Referentgranskare)
2021

Remote Sensing (Tidskrift)
Penttilä, A. (Referentgranskare)
2021

Tähtienväliset vierailijat aurinkokunnassamme
Penttilä, A. (!!Speaker)
3 mars 2020

Remote Sensing (Tidskrift)
Penttilä, A. (Referentgranskare)
2020

Remote Sensing (Tidskrift)
Penttilä, A. (Referentgranskare)
2020

Science (Tidskrift)
Penttilä, A. (Referentgranskare)
2020

Astronomy & Astrophysics (Tidskrift)
Penttilä, A. (Referentgranskare)
2019

Astrophysical Journal Supplement Series (Tidskrift)
Penttilä, A. (Referentgranskare)
2019

Icarus (Tidskrift)
Penttilä, A. (Referentgranskare)
2019

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)
Penttilä, A. (Referentgranskare)
2019

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)
2019

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2019

Astronomy & Astrophysics (Tidskrift)

Penttilä, A. (Referentgranskare)
2018

Monthly Notices of the Royal Astronomical Society (Tidskrift)

Penttilä, A. (Referentgranskare)
2018

Remote Sensing (Tidskrift)

Penttilä, A. (Referentgranskare)
2018

Research in astronomy and astrophysics (Tidskrift)

Penttilä, A. (Referentgranskare)
2018

Laboratory Measurements of Single-Particle Polarimetric Spectrum

Penttilä, A. (!!Invited speaker)
11 dec. 2017

WORKSHOP ON SPECTROSCOPY, PHOTOMETRY, AND POLARIMETRY OF AIRLESS SOLAR SYSTEM OBJECTS

Muinonen, K. O. (Ordförande), Gritsevich, M. (Ordförande i organisationskommitté) & Penttilä, A. (Sekreterare i organisationskommitté)
14 sep. 2017 → 15 sep. 2017

FINNISH URSI CONVENTION ON RADIO SCIENCE

Muinonen, K. O. (Ordförande), Penttilä, A. (Ordförande i organisationskommitté) & Gritsevich, M. (Sekreterare i organisationskommitté)
8 sep. 2017 → 9 sep. 2017

Europlanet Consortium (Extern organisation)

Penttilä, A. (Styrelsemedlem)
2017 → ...

Journal of Laser Applications (Tidskrift)

Penttilä, A. (Referentgranskare)
2017

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)
2017

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)
2017

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)

2017

BigSkyEarth WG2 and 4 Meeting in Finland

Gritsevich, M. (Ordförande i organisationskommitté), Penttilä, A. I. (Medlem i organisationskommitté), Peltoniemi, J. I. (Medlem i organisationskommitté), Zubko, N. (Medlem i organisationskommitté), Koskinen, J. (Medlem i organisationskommitté) & Muinonen, K. (Medlem i organisationskommitté)

10 okt. 2016 → 11 okt. 2016

Planetary and Space Science (Tidskrift)

Penttilä, A. (Referentgranskare)

2015

Laser-light and Interactions with Particles

Penttilä, A. (Poster presentation)

25 aug. 2014 → 29 aug. 2014

Asteroids, Comets, Meteors

Penttilä, A. (Ordförande i organisationskommitté)

30 juni 2014 → 4 juli 2014

Conference on Electromagnetic and Light Scattering

Penttilä, A. (Närvarande)

17 maj 2013 → 21 maj 2013

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)

2012

Journal of Laser Applications (Tidskrift)

Penttilä, A. (Referentgranskare)

2011

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)

2011

Brazilian Journal of Chemical Engineering (Tidskrift)

Penttilä, A. (Referentgranskare)

2010

Conference on Electromagnetic and Light Scattering

Penttilä, A. (Ordförande i organisationskommitté)

2010

Conference on Electromagnetic and Light Scattering XII

Penttilä, A. (Närvarande)

2010

International Conference on Electromagnetic and Light Scattering (Tidskrift)

Penttilä, A. (Redaktör)

2010

International Conference on Electromagnetic and Light Scattering (Tidskrift)

Penttilä, A. (Redaktör)

2010

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)

2010

Unknown

Penttilä, A. (Besökande föreläsare)

1 dec. 2008 → 6 dec. 2008

Conference on Electromagnetic and Light Scattering by Nonspherical Particles

Penttilä, A. (Poster presentation)

17 juni 2007

DDA-workshop

Penttilä, A. (Talare: Presentation)

23 mars 2007

International Space Science Institute (Extern organisation)

Penttilä, A. (Expert)

2007 → 2008

Journal of Quantitative Spectroscopy & Radiative Transfer (Tidskrift)

Penttilä, A. (Referentgranskare)

2007

Conference on Electromagnetic and Light Scattering by Nonspherical Particles

Penttilä, A. (Talare: Presentation)

5 juni 2006 → 10 juni 2006

Conference on Electromagnetic and Light Scattering by Nonspherical Particles

Penttilä, A. (Poster presentation)

5 juni 2006 → 10 juni 2006

Finnish-Estonian vegetation remote sensing seminar

Penttilä, A. (Talare: Presentation)

18 apr. 2006

International Conference on Electromagnetic and Light Scattering (Tidskrift)

Penttilä, A. (Referentgranskare)

2006

Conference on Electromagnetic and Light Scattering by Nonspherical Particles

Penttilä, A. (Talare: Presentation)

15 maj 2005 → 23 maj 2005

TEKES C-Coat seminar

Penttilä, A. (Poster presentation)

16 feb. 2005

International Conference on Electromagnetic and Light Scattering (Tidskrift)

Penttilä, A. (Referentgranskare)
2005

Conference on Electromagnetic and Light Scattering by Nonspherical Particles

Penttilä, A. (Talare: Presentation)
6 sep. 2003 → 14 sep. 2003

Tartu Conference on Multivariate Statistics-konferenssi

Penttilä, A. (Närvarande)
8 aug. 2003 → 12 aug. 2003

Suomen avaruustutkijoiden COSPAR kokous

Penttilä, A. (Poster presentation)
30 okt. 2002

Unknown

Penttilä, A. (Besökande föreläsare)
1 aug. 2002 → 31 aug. 2002

Priser

JQSRT Peter C. Waterman Award: Scattering & Remote Sensing

Penttilä, A. (!!Recipient), 2012

Lancelot M. Berkeley – New York Community Trust Prize for Meritorious Work in Astronomy

Muinonen, K. (!!Recipient), Granvik, M. (!!Recipient), Penttilä, A. (!!Recipient), Fedorets, G. (!!Recipient), Siltala, L. (!!Recipient) & Collaboration, G. (!!Recipient), 12 jan. 2023

Press/media

Coating the synergy, yield and sequel

Penttilä, A.
01/03/2006
1 Mediabidrag

NASAn luotain iskeytyi voimalla kaukaiseen asteroidiin – miksi koe tehtiin?

Penttilä, A. & Kohout, T.
11/10/2022
1 Mediabidrag

Painopaperin kirkkaus kiinnostaa tähtitieteilijöitä

Penttilä, A.
01/06/2007
1 Mediabidrag