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## Qualifications

Physics, PhD, Inner-shell radiationless transitions in atoms studied with synchrotron radiation, University of Oregon  
1985 Mar 1 → 1989 Jul 1  
Award Date: 1989 Oct 30

Spanish, B.A, Colby College  
1979 Sept 1 → 1983 Jun 1  
Award Date: 1983 Jun 1

Physics, B. A., Colby College  
1979 Sept 1 → 1983 Jun 1  
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## Employment

### Professor

Synchrotron Radiation Research  
Lund University  
Lund, Sweden  
2002 May 15 → present

### Director

Pufendorf Institute for Advanced Studies  
Lund University  
Lund, Sweden  
2022 Jan 3 → present

### Profile area member

LTH Profile Area: Photon Science and Technology  
Lund University  
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2022 Sept 14 → present

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2024 Jan 1 → present

### Associate Professor

KTH Royal Institute of Technology  
Stockholm SE-100 44, Sweden  
1992 Jan 1 → 1995 May 1

### Postdoctoral fellow

KTH Royal Institute of Technology  
Stockholm SE-100 44, Sweden  
1990 Jan 1 → 1992 Dec 31

## Research outputs

### Influence of Selective Carbon 1s Excitation on Auger–Meitner Decay in the ESCA Molecule

Fouda, A., Lindblom, V., Southworth, S. H., Doumy, G., Ho, P., Young, L., Cheng, L. & Sorensen, S. L., 2024 Apr 24, In: Journal of Physical Chemistry Letters. 15, 16, p. 4286-4293 8.

### Experimental and theoretical near-edge x-ray-absorption fine-structure studies of NO<sup>+</sup>

Lindblad, R., Kjellsson, L., De Santis, E., Zamudio-Bayer, V., Von Issendorff, B., Sorensen, S. L., Lau, J. T., Hua, W., Carravetta, V., Rubensson, J. E., Ågren, H. & Couto, R. C., 2022 Oct, In: Physical Review A. 106, 4, 042814.

### The origin of enhanced O<sub>2</sub><sup>+</sup> production from photoionized CO<sub>2</sub> clusters

Ganguly, S., Barreiro, D., Walsh, N., Oostenrijk, B., Sorensen, S. L., Díaz-Tendero, S. & Gisselbrecht, M., 2022 Feb 4, In: Communications Chemistry.

### Site-dependent nuclear dynamics in core-excited butadiene

Oghbaie, S., Gisselbrecht, M., Walsh, N., Oostenrijk, B., Laksman, J., Månsson, E. P., Sankari, A., Eland, J. H. D. & Sorensen, S. L., 2022, In: Physical chemistry chemical physics : PCCP. 24, 47, p. 28825-28830 6 p.

### Breaking inversion symmetry by protonation: Experimental and theoretical NEXAFS study of the diazynium ion, N<sub>2</sub>H<sup>+</sup>

Couto, R. C., Hua, W., Lindblad, R., Kjellsson, L., Sorensen, S. L., Kubin, M., Bülow, C., Timm, M., Zamudio-Bayer, V., Von Issendorff, B., Söderström, J., Lau, J. T., Rubensson, J. E., Ågren, H. & Carravetta, V., 2021 Aug, In: Physical Chemistry Chemical Physics. 23, 32, p. 17166-17176 11 p.

### Non-radiative decay and fragmentation in water molecules after 1a<sub>1</sub><sup>-1</sup>4a<sub>1</sub> excitation and core ionization studied by electron-energy-resolved electron-ion coincidence spectroscopy

Sankari, A., Stråhlman, C., Sankari, R., Partanen, L., Laksman, J., Kettunen, J. A., Galván, I. F., Lindh, R., Malmqvist, P. Å. & Sorensen, S. L., 2020 Feb 21, In: Journal of Chemical Physics. 152, 7, 074302.

### Deepening into the nucleation and fission processes of nano-hydrated ammonia clusters - A combined theoretical and experimental study

Barreiro, D., Oostenrijk, B., Walsh, N., Sankari, A., Månsson, E. P., Maclot, S., Sorensen, S., Díaz-Tendero, S. & Gisselbrecht, M., 2020, *Clusters / Nanosystems / Surfaces / Solids*. 20 ed. Vol. 1412. 202030. (Journal of Physics: Conference Series).

### From synchrotrons for XFELs: The soft x-ray near-edge spectrum of the ESCA molecule

Sorensen, S. L., Zheng, X., Southworth, S. H., Patanen, M., Kokkonen, E., Oostenrijk, B., Travnikova, O., Marchenko, T., Simon, M., Bostedt, C., Doumy, G., Cheng, L. & Young, L., 2020, In: Journal of Physics B: Atomic, Molecular and Optical Physics. 53, 24, 244011.

### **The carbon and oxygen K-edge NEXAFS spectra of CO<sup>+</sup>**

Couto, R. C., Kjellsson, L., Ågren, H., Carravetta, V., Sorensen, S. L., Kubin, M., Bülow, C., Timm, M., Zamudio-Bayer, V., Von Issendorff, B., Lau, J. T., Söderström, J., Rubensson, J. E. & Lindblad, R., 2020, In: *Physical Chemistry Chemical Physics*. 22, 28, p. 16215-16223 9 p.

### **X-Ray Absorption Spectrum of the N<sub>2</sub><sup>+</sup> Molecular Ion**

Lindblad, R., Kjellsson, L., Couto, R. C., Timm, M., Bülow, C., Zamudio-Bayer, V., Lundberg, M., Von Issendorff, B., Lau, J. T., Sorensen, S. L., Carravetta, V., Ågren, H. & Rubensson, J. E., 2020, In: *Physical Review Letters*. 124, 20, 203001.

### **Fission of charged nano-hydrated ammonia clusters-microscopic insights into the nucleation processes**

Oostenrijk, B., Barreiro, D., Walsh, N., Sankari, A., Månsson, E. P., Maclot, S., Sorensen, S. L., Díaz-Tendero, S. & Gisselbrecht, M., 2019 Dec 14, In: *Physical Chemistry Chemical Physics*. 21, 46, p. 25749-25762 14 p.

### **Attosecond insight into electron correlation**

Gisselbrecht, M., Guénot, D., Månsson, E., Kroon, D., Kotur, M., Larsen, E. W., Kasper, S., Dahlström, M. J., Lindroth, E., Kheifets, A. S., Arnold, C. L., Mauritsson, J., Sorensen, S. & L'Huillier, A., 2019, *Proceedings 2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference, CLEO/Europe-EQEC 2015*. Optical Society of America, CG\_5\_1

### **Tin-oxide nanoparticles deposited from a beam: what happens to the composition?**

Tchaplyguine, M., Wright, C., Shavorskiy, A., Zhu, S., Mikkela, M. H., Zhang, C., Björneholm, O., Mårsell, E., Mikkelsen, A., Sorensen, S., Hetherington, C. J. D. & Wallenberg, L. R., 2019, In: *Physical chemistry chemical physics : PCCP*. 21, 11, p. 6287-6295 9 p.

### **Chemical Understanding of the Limited Site-Specificity in Molecular Inner-Shell Photofragmentation**

Inhester, L., Oostenrijk, B., Patanen, M., Kokkonen, E., Southworth, S. H., Bostedt, C., Travnikova, O., Marchenko, T., Son, S. K., Santra, R., Simon, M., Young, L. & Sorensen, S. L., 2018 Mar 1, In: *Journal of Physical Chemistry Letters*. 9, 5, p. 1156-1163 8 p.

### **The role of charge and proton transfer in fragmentation of hydrogen-bonded nanosystems: The breakup of ammonia clusters upon single photon multi-ionization**

Oostenrijk, B., Walsh, N., Laksman, J., Månsson, E. P., Grunewald, C., Sorensen, S. L. & Gisselbrecht, M., 2018, In: *Physical Chemistry Chemical Physics*. 20, 2, p. 932-940 9 p.

### **Tin Oxides: Insights into Chemical States from a Nanoparticle Study**

Wright, C., Zhang, C., Mikkela, M. H., Mårsell, E., Mikkelsen, A., Ristinmaa Sorensen, S., Björneholm, O. & Tchaplyguine, M., 2017 Sept 7, In: *Journal of Physical Chemistry C*. 121, 35, p. 19414-19419 6 p.

### **Dissociation of cyclopropane in double ionization continuum**

Oghbaie, S., Gisselbrecht, M., Månsson, E., Laksman, J., Strahlman, C., Sankari, A. & Ristinmaa Sorensen, S., 2017, In: *Physical chemistry chemical physics : PCCP*. 19, 30, p. 19631-19639

### **Preparing the MAX IV storage rings for timing-based experiments**

Strahlman, C., Olsson, T., Leemann, S., Sankari, R. & Ristinmaa Sorensen, S., 2016, *PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON SYNCHROTRON RADIATION INSTRUMENTATION – SRI2015*. Shen, Q. & Nelson, C. (eds.). New York, NY USA: American Institute of Physics (AIP), Vol. 1741. 020043. (AIP conference proceedings; no. 1741).

### **Synkrotronljuset från Lund: Hur lundafysiker lärde sig använda synkrotronljus på olika sätt.**

Lindau, I. & Sorensen, S. L., 2016, *Fysik i Lund i tid och rum*. Gidlunds förlag i samarbete med Fysiska institutionen, Lunds universitet

### **Angular asymmetry and attosecond time delay from the giant plasmon resonance in C-60 photoionization**

Barillot, T., Cauchy, C., Hervieux, P.-A., Gisselbrecht, M., Canton, S. E., Johnsson, P., Laksman, J., Månsson, E., Dahlstroem, J. M., Magrakvelidze, M., Dixit, G., Madjet, M. E., Chakraborty, H. S., Surraud, E., Dinh, P. M., Wopperer, P., Hansen, K., Loriot, V., Bordas, C. & Ristinmaa Sorensen, S. & 1 others, Lepine, F., 2015, In: *Physical Review A (Atomic,*

Molecular and Optical Physics). 91, 3, 033413.

**Attosecond time delays in C-60 valence photoemissions at the giant plasmon**

Barillot, T., Magrakvelidze, M., Lorient, V., Bordas, C., Hervieux, P.-A., Gisselbrecht, M., Johnsson, P., Laksman, J., Månsson, E., Ristinmaa Sörensen, S., Canton, S., Dahlstrom, J. M., Dixit, G., Madjet, M. E., Lepine, F. & Chakraborty, H. S., 2015, *Journal of Physics: Conference Series*. IOP Publishing, Vol. 635. p. 112074

**Dissociative double-photoionization of butadiene in the 25-45 eV energy range using 3-D multi-coincidence ion momentum imaging spectrometry**

Oghbaie, S., Gisselbrecht, M., Laksman, J. & Ristinmaa Sörensen, S., 2015, In: *Journal of Chemical Physics*. 143, 11, p. 114309-114309

**Dynamics of dissociation in inner-valence excited 1,3-trans-Butadiene probed by 3-D multiple ion momentum imaging**

Oghbaie, S., Gisselbrecht, M., Sankari, A., Månsson, E., Laksman, J. & Ristinmaa Sörensen, S., 2015, *Journal of Physics: Conference Series*. IOP Publishing, Vol. 635. p. 112009

**Molecular dynamics of NH<sub>3</sub> induced by core-electron excitation**

Walsh, N., Sankari, A., Laksman, J., Andersson, T., Oghbaie, S., Afaneh, F., Månsson, E., Gisselbrecht, M. & Ristinmaa Sörensen, S., 2015, In: *Physical Chemistry Chemical Physics*. 17, 29, p. 18944-18952

**Workshop on Timing Modes for Low-Emittance Storage Rings**

Ristinmaa Sörensen, S., Olsson, T., Stråhlman, C. & Leemann, S., 2015, Taylor & Francis. 4 p. (Synchrotron Radiation News)

**Probing electron correlation on the attosecond time scale**

Guenot, D., Mansson, E., Kheifets, A. S., Kroon, D., Kotur, M., Larsen, E. W., Dahlstrom, M. J., Mauritsson, J., Lindroth, E., Sorensen, S., Gisselbrecht, M., Arnold, C. L. & L'Huillier, A., 2014 Jan 1, *High Intensity Lasers and High Field Phenomena, HILAS 2014*. Optical Society of America

**Bringing physics, synchrotron light and probing neutrons to the public: a collaborative outreach**

Micklavzina, S., Almqvist, M. & Ristinmaa Sörensen, S., 2014, In: *Physics Education*. 49, 2, p. 221-230

**Carbon dioxide ion dissociations after inner shell excitation and ionization: The origin of site-specific effects.**

Eland, J. H. D., Zagorodskikh, S., Squibb, R. J., Mucke, M., Ristinmaa Sörensen, S. & Feifel, R., 2014, In: *Journal of Chemical Physics*. 140, 18, 184305.

**Double ionization probed on the attosecond timescale**

Månsson, E., Guenot, D., Arnold, C., Kroon, D., Kasper, S., Dahlstrom, J. M., Lindroth, E., Kheifets, A. S., L'Huillier, A., Ristinmaa Sörensen, S. & Gisselbrecht, M., 2014, In: *Nature Physics*. 10, 3, p. 207-211

**Multi-purpose two- and three-dimensional momentum imaging of charged particles for attosecond experiments at 1 kHz repetition rate.**

Månsson, E., Ristinmaa Sörensen, S., Arnold, C., Kroon, D., Guenot, D., Fordell, T., Lépine, F., Johnsson, P., L'Huillier, A. & Gisselbrecht, M., 2014, In: *Review of Scientific Instruments*. 85, 12, 123304.

**Nuclear dynamics of 1,3 trans butadiene after inner-valence and core excitation probed by 3D multiple ion imaging**

Oghbaie, S., Gisselbrecht, M., Laksman, J., Månsson, E., Walsh, N., Sankari, A. & Ristinmaa Sörensen, S., 2014, (Unpublished).

**Rapid bond rearrangement in molecules after core-electron excitation**

Ristinmaa Sörensen, S., Gisselbrecht, M., Laksman, J., Månsson, E., Céolin, D., Sankari, A. & Afaneh, F., 2014, *XXVIII International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2013)*. IOP Publishing, Vol. 488. p. 012006

#### **Development and characterization of a multiple-coincidence ion-momentum imaging spectrometer.**

Laksman, J., Céolin, D., Månsson, E., Ristinmaa Sörensen, S. & Gisselbrecht, M., 2013, In: Review of Scientific Instruments. 84, 12, 123113.

#### **Dissociation of water molecules after O1s→4a1 excitation**

Sankari, A., Stråhlman, C., Laksman, J., Sankari, R., Kettunen, A., Partanen, L., Malmqvist, P.-Å. & Ristinmaa Sörensen, S., 2013.

#### **Investigation of site selectivity in the fragmentation of coreexcited 1,3-butadiene near the central and terminal carbon K edges**

Oghbaie, S., Gisselbrecht, M., Månsson, E. & Ristinmaa Sörensen, S., 2013, (Unpublished).

#### **Rapid bond rearrangement in core-excited molecular water.**

Laksman, J., Månsson, E., Sankari, A., Céolin, D., Gisselbrecht, M. & Ristinmaa Sörensen, S., 2013, In: Physical Chemistry Chemical Physics. 15, 44, p. 19322-19329

#### **Stabilized interferometric attosecond timing measurements**

Arnold, C. L., Guénot, D., Kroon, D., Balogh, I., Månsson, E., Miranda, M., Kotur, M., Witting-Larsen, E., Johnsson, P., Mauritsson, J., Ristinmaa-Sörensen, S., Gisselbrecht, M. & L'Huillier, A., 2013, *CLEO: QELS\_Fundamental Science, CLEO:QELS FS 2013*.

#### **Charge migration and decay of doubly charged ammonia clusters**

Gisselbrecht, M., Grunewald, C., Månsson, E., Laksman, J., Sankari, A., Tchapyguine, M., Björneholm, O. & Ristinmaa Sörensen, S., 2012, *XXVII International Conference on Photonic, Electronic and Atomic Collisions (Icpeac 2011), Pts 1-15*. IOP Publishing, Vol. 388. p. 022112

#### **Role of the Renner-Teller effect after core hole excitation in the dissociation dynamics of carbon dioxide dication.**

Laksman, J., Månsson, E., Grunewald, C., Sankari, A., Gisselbrecht, M., Céolin, D. & Ristinmaa Sörensen, S., 2012, In: Journal of Chemical Physics. 136, 10, 104303.

#### **Experimental methods and modeling techniques for description of cell population heterogeneity**

Lencastre Fernandes, R., Nierychlo, M., Lundin, L., Pedersen, H. A. E., Puentes Tellez, P. E., Dutta, A. K., Carlquist, M., Bolic, A., Schäpper, D., Brunetti, A. C., Helmark, S., Heins, A.-L., Jensen, A. D., Nopens, I., Rottwitt, K., Szita, N., van Elsas, J. D., Nielsen, P. H., Martinussen, J. & Sørensen, S. J. & 2 others, Lantz, A. E. & Gernaey, K. V., 2011 Nov, In: Biotechnology Advances. 29, 6, p. 575-599 25 p.

#### **Plasmon single- and multi-quantum excitation in free metal clusters as seen by photoelectron spectroscopy.**

Andersson, T., Zhang, C., Rosso, A., Bradeanu, I., Legendre, S., Canton, S., Tchapyguine, M., Öhrwall, G., Ristinmaa Sörensen, S., Svensson, S., Mårtensson, N. & Björneholm, O., 2011, In: Journal of Chemical Physics. 134, 9, 094511.

#### **Description and performance of an electron-ion coincidence TOF spectrometer used at the Brazilian synchrotron facility LNLS**

Burmeister, F., Coutinho, L. H., Marinho, R. R. T., Homem, M. G. P., de Moraes, M. A. A., Mocellin, A., Björneholm, O., Ristinmaa Sörensen, S., Fonseca, P. T., Lindgren, A. & Naves de Brito, A., 2010, In: Journal of Electron Spectroscopy and Related Phenomena. 180, 1-3, p. 6-13

#### **Nuclear motion in carbonyl sulfide induced by resonant core electron excitation**

Laksman, J., Céolin, D., Gisselbrecht, M. & Ristinmaa Sörensen, S., 2010, In: Journal of Chemical Physics. 133, 14, p. 144314-1-144314-6

#### **Dynamics of proton migration and dissociation in core-excited ethyne probed by multiple ion momentum imaging**

Laksman, J., Céolin, D., Gisselbrecht, M., Canton, S. & Ristinmaa Sörensen, S., 2009, In: Journal of Chemical Physics. 131, 24, p. 244305-1-244305-4

**Fast fragmentation in core-excited molecules The role of symmetry breaking and nuclear motion**

Ristinmaa Sörensen, S., 2009, In: The European Physical Journal. Special Topics. 169, p. 79-84

**Resonant Auger decay study of C1s  $\rightarrow$   $\pi^*$  core-excited OCS**

Travnikova, O., Miron, C., Bassler, M., Feifel, R., Piancastelli, M. N., Ristinmaa Sörensen, S. & Svensson, S., 2009, In: Journal of Electron Spectroscopy and Related Phenomena. 174, 1-3, p. 100-106

**Selective hydrogen bond disruption in adenine monolayer films by reaction with water**

Doherty, W. J. . I., Ristinmaa Sörensen, S. & Friedlein, R., 2009, In: Journal of Electron Spectroscopy and Related Phenomena. 174, 1-3, p. 107-109

**Absolute core-level binding energy shifts between atom and solid: The Born-Haber cycle revisited for free nanoscale metal clusters**

Tchaplyguine, M., Peredkov, S., Rosso, A., Bradeanu, I., Öhrwall, G., Legendre, S., Ristinmaa Sörensen, S., Mårtensson, N., Svensson, S. & Björneholm, O., 2008 Nov, In: Journal of Electron Spectroscopy and Related Phenomena. 166-167, 1-3 C, p. 38-44 7 p.

**Angle-resolved photoion yield and resonant Auger spectroscopy for the doubly excited Rydberg states above the C 1s threshold of CO**

Kitajima, M., Puettner, R., Ristinmaa Sörensen, S., Tanaka, T., Hoshino, M., Fukuzawa, H., De Fanis, A., Tamenori, Y., Sankari, R., Piancastelli, M. N., Tanaka, H. & Ueda, K., 2008, In: Physical Review A (Atomic, Molecular and Optical Physics). 78, 3

**Core localization and sigma(  $\pi^*$  ) delocalization in the O 1s core-excited sulfur dioxide molecule.**

Lindgren, A., Kosugi, N., Gisselbrecht, M., Kivimäki, A., Burmeister, F., Naves de Brito, A. & Ristinmaa Sörensen, S., 2008 , In: Journal of Chemical Physics. 128, 11, 114311.

**Femtosecond charge transfer in assemblies of discotic liquid crystals**

de Jong, M. P., Osikowicz, W., Ristinmaa Sörensen, S., Sergejev, S., Geerts, Y. H. & Salaneck, W. R., 2008, In: Journal of Physical Chemistry C. 112, 40, p. 15784-15790

**Size dependent fragmentation of argon clusters in the soft x-ray ionization regime.**

Gisselbrecht, M., Lindgren, A., Burmeister, F., Tchaplyguine, M., Öhrwall, G., Lundin, M., de Brito, A. N., Svensson, S., Björneholm, O. & Ristinmaa Sörensen, S., 2008, In: Journal of Chemical Physics. 128, 4, 044317.

**Symmetry-resolved x-ray absorption fine structure and resonant Auger-spectator-electron decay study of O 1s  $\rightarrow$  Rydberg resonances in O-2**

Tanaka, T., Feifel, R., Kitajima, M., Tanaka, H., Ristinmaa Sörensen, S., Sankari, R., De Fanis, A., Piancastelli, M.-N., Karlsson, L. & Ueda, K., 2008, In: Physical Review A (Atomic, Molecular and Optical Physics). 78, 2

**The influence of the sigma resonance on the Auger decay of core-ionized molecular nitrogen**

Ristinmaa Sörensen, S., Miron, C., Feifel, R., Piancastelli, M.-N., Björneholm, O. & Svensson, S., 2008, In: Chemical Physics Letters. 456, 1-3, p. 1-6

**The O 1s photoelectron spectrum of molecular oxygen revisited**

Ristinmaa Sörensen, S., Borve, K. J., Feifel, R., de Fanis, A. & Ueda, K., 2008, In: Journal of Physics B: Atomic, Molecular and Optical Physics. 41, 9, p. 095101-7 pp

**The O2 XPS spectrum revisited**

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**VUV oscillator strengths for iron lines of astrophysical importance**

Hartman, H., Nilsson, H., Huldt, S., Johansson, S., Ristinmaa Sörensen, S., Johnson, M. S. & von Hessberg, P., 2008, *Journal of Physics: Conference Series*. IOP Publishing, Vol. 130.

**X-ray absorption and resonant Auger spectroscopy of O(2) in the vicinity of the O 1s→sigma(\*) resonance: Experiment and theory.**

Feifel, R., Velkov, Y., Carravetta, V., Angeli, C., Cimraglia, R., Salek, P., Gel'mukhanov, F., Ristinmaa Sørensen, S., Piancastelli, M. N., De Fanis, A., Okada, K., Kitajima, M., Tanaka, T., Tanaka, H. & Ueda, K., 2008, In: Journal of Chemical Physics. 128, 6, 064304.

**Direct observation of the non-supported metal nanoparticle electron density of states by X-ray photoelectron spectroscopy**

Tchaplyguine, M., Peredkov, S., Rosso, A., Schulz, J., Öhrwall, G., Lundwall, M., Rander, T., Lindblad, A., Bergersen, H., Pokapanich, W., Svensson, S., Ristinmaa Sørensen, S., Mårtensson, N. & Björneholm, O., 2007, In: European Physical Journal D. Atomic, Molecular, Optical and Plasma Physics. 45, 2, p. 295-299

**Electronic Doppler effect in resonant Auger decay of CO molecules upon excitation near a shake-up Pi resonance**

Ristinmaa Sørensen, S., Kitajima, M., Tanaka, T., Hoshino, M., Tanaka, H., Tamenori, Y., Sankari, R., Piancastelli, M. N., Ueda, K., Velkov, Y., Minkov, I., Carravetta, V. & Gel'mukhanov, F., 2007, In: Physical Review A (Atomic, Molecular and Optical Physics). 76, 6

**Free nanoscale sodium clusters studied by core-level photoelectron spectroscopy**

Peredkov, S., Öhrwall, G., Schulz, J., Lundwall, M., Rander, T., Lindblad, A., Bergersen, H., Rosso, A., Pokapanich, W., Mårtensson, N., Svensson, S., Ristinmaa Sørensen, S., Björneholm, O. & Tchaplyguine, M., 2007, In: Physical Review B (Condensed Matter and Materials Physics). 75, 23, 235407.

**H2S ultrafast dissociation probed by energy-selected resonant Auger electron-ion coincidence measurements**

Le Guen, K., Miron, C., Céolin, D., Guillemin, R., Leclercq, N., Simon, M., Morin, P., Mocellin, A., Björneholm, O., de Brito, A. N. & Ristinmaa Sørensen, S., 2007, In: Journal of Chemical Physics. 127, 11, 114315.

**Localized versus delocalized excitations just above the 3d threshold in krypton clusters studied by Auger electron spectroscopy**

Tchaplyguine, M., Kivimäki, A., Peredkov, S., Ristinmaa Sørensen, S., Rosso, A., Öhrwall, G., Schulz, J., Lundwall, M., Björneholm, O., Mårtensson, N., Rander, T. & Lindblad, A., 2007, In: Journal of Chemical Physics. 127, 12, 124314.

**Probing the valence character of O-1s -> Rydberg excited O-2 by participator Auger decay measurements and partial ion yield spectroscopy following x-ray absorption**

Feifel, R., Tanaka, T., Kitajima, M., Tanaka, H., De Fanis, A., Sankari, R., Karlsson, L., Ristinmaa Sørensen, S., Piancastelli, M.-N., Prumper, G., Hergenhan, U. & Ueda, K., 2007, In: Journal of Chemical Physics. 126, 17, 174304.

**Site selective dissociation upon core ionization of ozone**

Mocellin, A., Wiesner, K., Ristinmaa Sørensen, S., Miron, C., Le Guen, K., Céolin, D., Simon, M., Morin, P., Machado, A. B., Björneholm, O. & de Brito, A. N., 2007, In: Chemical Physics Letters. 435, 4-6, p. 214-218

**Size determination of free metal clusters by core-level photoemission from different initial charge states**

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2020 Nov 12 → 2020 Nov 26

**FAIR data**

Axmon, A. (Organiser), Hellström, M. (Organiser), Johnsson, M. (Organiser), Lassi, M. (Organiser), Spruce, D. (Organiser), Bolmsten, F. (Organiser), Sorensen, S. L. (Invited speaker), Petzold, M. (Invited speaker) & Nilsson, P. (Invited speaker)  
2019 Feb 5

**League of European Research Universities New Year's Dinner Debate: Man vs Machine**

Ristinmaa Sörensen, S. (Role not specified)  
2019 Jan 24

**Knowledge-driven societal development in university cities**

Ristinmaa Sörensen, S. (Invited speaker)  
2016 Mar 18

**Workshop on timing modes for low-emittance storage rings.**

Ristinmaa Sörensen, S. (Role not specified)  
2015 Mar 25 → 2015 Mar 27