

Publications until March 2018

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Web of Science 2018-03-26: 146 publications (one article in Science, one in Nature Physics, two in Nature Communication, ten in Physical Review Letters.) 3204 citations (2687 without self citations) Citing articles 2046 (1921 without self citations).

h-index 32

Ten most important publications (Chronological order)
- articles available through the linked titles in blue -

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- [1] **Calculation of doubly excited states of helium with a finite discrete spectrum**
E. Lindroth *Phys. Rev. A*, 49:4473, 1994.
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- [2] **Photodetachment of H⁻ and Li⁻**
E. Lindroth.
Phys. Rev. A, 52:2737, 1995.
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- [3] **Strong relativistic effects and natural line widths observed in dielectronic recombination of lithium-like carbon**
S. Mannervik, D. R. DeWitt, L. Engström, J. Lidberg, E. Lindroth, R. Schuch, and W. Zong
Phys. Rev. Lett., 81:313-316, 1998.
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- [4] **Influence of Magnetic Fields on Electron-Ion Recombination at Very Low Energies**
G. Gwinner, A. Hoffknecht, T. Bartsch, M. Beutelspacher, N. Eklöv, P. Glans, M. Grieser, S. Krohn, E. Lindroth, A. Müller, A. A. Saghir, S. Schippers, U. Schramm, D. Schwalm, M. Tokman, G. Wissler, and A. Wolf.
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- [5] **QED Effects in Cu -Like Pb Recombination Resonances Near Threshold**
E. Lindroth, H. Danared, P. Glans, Z. Pešić, M. Tokman, G. Viktor, and R. Schuch
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- [6] **X-ray transition energies: New approach to a Comprehensive evaluation**
R. D. Deslattes, E. Kessler Jr., P. Indelicato, L. de Billy, E. Lindroth, and J. Anton

Rev. Mod. Phys. 75:35, 2003.

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- [7] **Solution of the Dirac equation for hydrogen-like systems exposed to intense electromagnetic pulses**

Sølve Selstø, Eva Lindroth, and Jakob Bengtsson

Phys. Rev. A 79:043418 (2009)

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- [8] **Ionization branching ratio control with a resonance attosecond clock**

Luca Argenti and Eva Lindroth

Phys. Rev. Lett. 105:053002 (2010)

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- [9] **Diagrammatic approach to attosecond delays in photoionization**

J. M. Dahlström, T. Carette, and E. Lindroth

Phys. Rev. A. 86:061402 (R) (2012)

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- [10] **Multiconfigurational Hartree-Fock close-coupling ansatz: Application to the argon photoionization cross section and delays**

T. Carette, J. M. Dahlström, L. Argenti, and E. Lindroth

Phys. Rev. A. 87:023420 (2013)

Citations in Web of Science **34**

Concerning the articles with many authors as e.g. 3, 4 and 5 above (and many below): I am responsible for the calculations, alone or together with a student or postdoctor, while the majority of the authors have worked on the experiment.

All articles published in regular journals

citations data given for articles where the number of citations is higher than the h-index

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- [1] **Anisotropic photoemission time delays close to a Fano resonance**

Claudio Cirelli, Carlos Marante, Sebastian Heuser, C.L.M. Petersson, Álvaro Jiménez Galán, Luca Argenti, Shiyang Zhong, David Busto, Marcus Isinger, Saikat Nandi, Sylvain Maclot, Linnea Rading, Per Johnsson, Mathieu Gisselbrecht, Matteo Lucchini, Lukas Gallmann, J. Marcus Dahlström, Eva Lindroth, Anne L'Huillier, Fernando Martín, Ursula Keller

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- [2] **Photoionization in the time and frequency domain**

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- [3] **Confinement sensitivity in quantum dot singlet- triplet relaxation**
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- [5] **Alternative gauge for the description of the light-matter interaction in a relativistic framework**
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- [7] **Attosecond delays in laser-assisted photodetachment from closed-shell negative ions** (chosen as Editor's Suggestion)
Eva Lindroth and Jan Marcus Dahlström
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Tor Kjellsson, Sølve Selstø and Eva Lindroth
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- [9] **Angular dependence of photoemission time delay in helium**
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- [13] **Resonance Effects in Photoemission Time Delays**
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- [20] **Performance of the coupled-cluster singles and doubles method applied to two-dimensional quantum dots**
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- [31] **Fundamental gates for a strongly correlated two-electron quantum ring**
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