

INTERNATIONAL JOURNALS WITH REFEREE SYSTEM

Scientific highlights indicated by () – 10 publications*

1. H. Cederquist, L.H. Andersen, A. Bàràny, P. Hvelplund, H. Knudsen, E.H. Nielsen, J.O.K. Pedersen and J. Sørensen: "State-Selective Single- and Double- Capture Processes in Slow $C^{4+}+He, Ne, Ar, \text{ and } Xe$ Collisions", *J.Phys.B* 18 (1985) 3951-3969.
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5. E.Y. Kamber, C.L. Cocke, J.P. Giese, J.O.K. Pedersen and W. Waggoner: "An experimental apparatus for studying double differential scattering by low energy ions from He", *Nucl.Instrum.Methods* B24/25 (1987) 288-290.
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8. E.Y. Kamber, C.L. Cocke, J.P. Giese, J.O.K. Pedersen and W. Waggoner: "State-selective differential single electron capture cross sections for O^{2+} -He collisions", *Phys.Rev.A* 36 (1987) 5575-5580.
9. H. Schmidt-Böcking, R. Dörner, H. Berg, M.H. Prior, A.S. Schlachter, J.O.K. Pedersen, C.L. Cocke and M. Stockli: "Angular dependence of multiple electroncapture in 90 keV Ne^{9+} -Ne collisions", *Phys.Rev A* 37 (1988) 4640-4648.
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17. (*) J.O.P. Pedersen and P. Hvelplund: "Double excitation of helium by fast electrons, protons and $C^{(4-6)+}$ ions", *Phys.Rev.Lett.* 62 (1989) 2373-2376.
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23. J.O.P. Pedersen: "Electron correlation in two-electron processes in helium induced by fast particle impact". *Phys.Scr.* 41 (1990) 180-186.
24. L.H. Andersen, P. Hvelplund, H. Knudsen, S.P. Møller, J.O.P. Pedersen, S. Tang-Petersen, E. Uggerhøj, K. Elsener, and E. Morenzoni: "Nondissociative and dissociative ionization of H_2 by 50 to 2000 keV antiprotons". *J.Phys.B.* 23 (1990) L395-400.

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- P.M.Winkler: Results from the CERN pilot CLOUD experiment, *Atmos. Chem. Phys.* 10 (2009) 1635-1647
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59. (*) K. Zickfeld et al.: Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison . *J. Climate*, 26 (2013) 5782–5809.
60. S. Tomita, Y. Nakai, S. Funada, H. Tanikawa, I. Harayama, H. Kobara, K. Sasa, J.O.P. Pedersen, and P. Hvelplund: Oxidation of SO₂ and Formation of Water Droplets under

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Irradiation of 20 MeV protons in N₂/H₂O/SO₂, *Nuclear Instruments and Methods* 365 (2015) 616-621.

Under review

61. G. Shaffer, M. Huber, R. Rondanelli, and J.O.P. Pedersen: Deep-time evidence for state-dependent climate sensitivity, *Geophysical Research Letters* (*under review* 2016).

Preprint

62. F. Lansner and J.O.P. Pedersen: "Temperature trends with reduced impact of ocean air temperature".

63. S. H. Owe and J.O.P. Pedersen: "COP21 and emission targets".

In preparation

64. J.O.P. Pedersen and E. M. Madsen: "The effects of managed vs. unmanaged forests, using Europe as a case study"

CONFERENCE CONTRIBUTIONS – PARTIAL LIST

1. J.O.K. Pedersen, L.H. Andersen, A. Båràny, H. Cederquist, P. Hvelplund, H. Knudsen and E.H. Nielsen: "Energy-Gain Spectroscopy of Electron Capture by Slow C(3-6)+ Ions", 2nd ECAMP, Book of Abstracts, ed. A.E. de Vries, M.J. van der Wiel (1985) 424.
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