

Review articles and book chapters (peer reviewed)

- R13 - Cluster Dynamics in strong laser fields
P.-G. Reinhard, E. Suraud
Time Dependent Density Functional Theory, 391-404
Lecture Notes in Physics **706**, Springer, Berlin, 2006
- R14 - A hierarchical approach for the dynamics of Na clusters in contact with an Ar substrate
G. Bousquet, M. Dinh, J. Douady, F. Fehrer, B. Gervais, E. Giglio, A. Ipatov, P.-G. Reinhard, E. Suraud
Nova Science publishers, New York, in press
- R15 - Dynamics of clusters, molecules in contact with an environment
P. M. Dinh, P.-G. Reinhard, E. Suraud
Phys. Rep. **485** (2009) 43
<http://dx.doi.org/10.1016/j.physrep.2009.07.006>
- R16 - Laser-driven nonlinear cluster dynamics: from single to multiphoton excitations to the strong-field domain
Th. Fennel, K.-H. Meiwes-Broer, J. Tiggesbaumker, P.-G. Reinhard, P. M. Dinh, E. Suraud
Rev. Mod. Phys. **82** (2010) 1793
<http://arxiv.org/abs/0904.2706>

Publications in peer reviewed journals

- P97 - Vlasov dynamics in finite fermion systems
E. Suraud, P. G. Reinhard
Transport Theory and Statistical Physics, **34** (2005) 417-431
<http://www.informaworld.com/smpp/content-db=all~content=a727388968>
- P98 - Dynamics of H₉⁺ in intense laser pulses
M. Ma, P. G. Reinhard, E. Suraud
Eur. Phys. J. D **33** (2005) 49
[10.1140/epjd/e2005-00035-7](http://dx.doi.org/10.1140/epjd/e2005-00035-7)
- P99 - Spectroscopic properties of Na clusters embedded in a rare gas matrix
B. Gervais, E. Giglio, E. Jaquet, A. Ipatov, P.-G. Reinhard, F. Fehrer, E. Suraud
Phys. Rev. A **71** (2004) 015201
<http://link.aps.org/doi/10.1103/PhysRevA.71.015201>
- P100 - Simple DFT model of clusters embedded in a rare gas matrix:
B. Gervais, E. Giglio, E. Jacquet, A. Ipatov, P. -G. Reinhard, E. Suraud
J. Chem. Phys. **121** (2005) 8466
<http://link.aip.org/link/?JCP/121/8466/1>
- P101 - Modelling Na clusters in Ar matrices
F. Fehrer, M. Mundt, P.-G. Reinhard, E. Suraud
Ann. Phys. (Leipzig) **14** (2005) 411
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- P102 - Linear and non linear response of embedded clusters
F. Fehrer, P.-G. Reinhard, E. Suraud, E. Giglio, B. Gervais, A. Ipatov
Appl. Phys. **A82** (2006)151-161
<http://www.springerlink.com/content/w238018174hq1785/?p=f2acd2a7e9634898b30d338b32a17343&pi=1>
- P103 - Pump and probe analysis of metal cluster dynamics
K. Andrae, M. Dinh, P. G. Reinhard, E. Suraud
Comp. Mat. Sc. **35** (2006) 169-173
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- P104 - Dynamics of orientations in an ensemble of Na_7^+ clusters
P. G. Reinhard, E. Suraud
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- P105 - Time resolved fission in metal clusters
M. Dinh, P. G. Reinhard, E. Suraud
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- P106 - Coupled plasmon and phonon dynamics in embedded Na clusters
F. Fehrer P. G. Reinhard, E. Suraud
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<http://www.springerlink.com/content/v3740907251005n4/?p=f2acd2a7e9634898b30d338b32a17343&pi=0>
- P107 - Coulomb explosion of simple metal clusters in intense laser fields
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- P108 - Semi-classical description of small Na clusters and dynamics
C. Legrand, E. Suraud, P. G. Reinhard
J. Phys. **B39**, (2006) 2481-2492
<http://dx.doi.org/10.1088/0953-4075/39/11/013>
- P109 - Exploration of electronic quadrupole states in atomic clusters by 2 photons processes
V. O. Nesterenko, P.-G. Reinhard, T. Halfmann, E. Suraud
J. Phys. **B39** (2006) 3905-3917
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- P110 - A Molecular Dynamics description of clusters in strong laser fields
M. Belkacem, F. Mégi, E. Suraud, P.-G. Reinhard, G. Zwacknagel
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- P112 - Embedded metal clusters in strong laser fields
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- P113 - Charge and size effects on the deposition of Na on Ar
P. M. Dinh, F. Fehrer, P. G. Reinhard, E. Suraud
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- P115 - Shape dynamics during deposit of simple metal clusters on rare gas matrices
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- P119 - Deposition Dynamics of Na monomers and dimers on an Ar(001) substrate
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- P120 - Self Interaction Correction in a simple model
P. M. Dinh, J. Messud, P. G. Reinhard, E. Suraud
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- P121 - Time Dependent Density Functional Theory with a Self Interaction Correction
J. Messud, P. M. Dinh, P. G. Reinhard, E. Suraud
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- P124 - On the exact treatment of Time Dependent Self Interaction Correction
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- P138 - Angular distributions of photo-electrons from free Na clusters
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- P147 - On photo-electron angular distributions from clusters
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