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This book has the twofold aim to present coherently the relevant results coming from the recent scientific literature and to guide the readers through the process of deriving results, enabling them to explore the limits of the mathematical approximations and test the power of the method. The book is focused on the fundamental properties of nanosystems in the gas phase. For this reason there is a strong emphasis on microcanonical physics. Each chapter is enriched with exercises and 3 Appendices provide additional useful materials.



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**Statistical Physics of Nanoparticles in the Gas Phase: 73 (Springer Series on Atomic, Optical, and Plasma Physics) By Klavs Hansen Bibliography**

- Sales Rank: #4291355 in eBooks
- Published on: 2012-11-28
- Released on: 2012-11-28
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#### **About the Author**

Klavs Hansen is Associate professor, Atomic, Molecular & Optical Physics at the University of Gothenburg. He has held various positions in the USA, Denmark, Germany, Finland and Japan. His expertise is in statistical and quantum processes in free clusters and large molecules, studied through multiphoton ionization and fragmentation experiments.

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