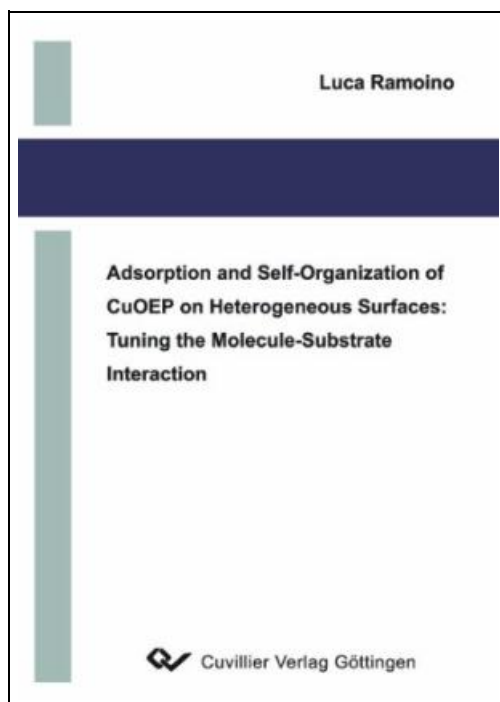


## Adsorption and Self-Organization of CuOEP on Heterogeneous Surfaces



Filesize: 6.03 MB

### **Reviews**

*Good e book and useful one. It really is simplistic but shocks in the 50 % of your book. Your way of life period will probably be convert the instant you total reading this ebook.*

*(Myah Williamson)*

## ADSORPTION AND SELF-ORGANIZATION OF CUOEP ON HETEROGENEOUS SURFACES

[DOWNLOAD](#)

Cuvillier Verlag Okt 2005, 2005. Taschenbuch. Book Condition: Neu. 205x146x7 mm. Neuware - The adsorption and self-organization of copper(II) octaethyl porphyrin (CuOEP) have been studied in detail on heterogeneous surfaces by Scanning Tunnelling Microscopy (STM), Low Energy Electron Diffraction (LEED) and Ultraviolet Photoelectron Spectroscopy (UPS). The research has been focussed both on the adsorption of CuOEP on clean metals as well as on ultrathin sodium chloride films grown on metals. For this reason, in a first stage, the growth of NaCl films on Cu(111), Ag(111) and Ag(001) has been carefully investigated. For submonolayer coverages the samples show the formation of NaCl islands with a characteristic rectangular shape, which coexist with clean metal regions. Salt structures 1 to 3 ML thick can be identified. CuOEP molecules have been deposited on the so prepared heterogeneous salt-metal surfaces. STM reveals that the molecules self organize in ordered monolayers on the bare metal areas as well as on the NaCl islands. Series of observations performed by increasing the CuOEP coverage in steps from 0 to 1 ML revealed that the assembly develops in a hierarchical fashion. Molecules sequentially adsorb and assemble first on the bare metal, then on the 1-layer and 2-layer thick NaCl areas. From these observations it can be inferred that the adsorption energy of CuOEP decreases by introducing an insulator layer and by increasing its thickness. Moreover, the investigation of the STM appearance of CuOEP as a function of the bias voltage, indicates a weaker adsorbate-substrate interaction on the NaCl/metal system than on the bare metal. The adsorption of CuOEP on the clean metal has been further investigated by LEED and UPS. Combining LEED and STM, the structure of the molecular layer formed on Cu(111), Ag(111) and Ag(001) is determined. Information on the adsorption conformation of CuOEP has also been gained...

[Read Adsorption and Self-Organization of CuOEP on Heterogeneous Surfaces Online](#)[Download PDF Adsorption and Self-Organization of CuOEP on Heterogeneous Surfaces](#)

## See Also



### **Decameron and the Philosophy of Storytelling: Author as Midwife and Pimp (Hardback)**

Columbia University Press, United States, 2005. Hardback. Book Condition: New. New.. 236 x 155 mm. Language: English . Brand New Book. In this creative and engaging reading, Richard Kuhns explores the ways in which Decameron...

[Read PDF »](#)



### **To Thine Own Self**

Dog Ear Publishing, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Carefree and self assured Carolyn loves her life. Her uncle runs...

[Read PDF »](#)



### **Genuine] teachers in self-cultivation Books --- the pursue the education of Wutuobangbao into in J57(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-05-01 Pages: 212 Publisher: Jilin Publishing Title: teachers' self-cultivation Books ---...

[Read PDF »](#)



### **A Hero s Song, Op. 111 / B. 199: Study Score**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 577 x 401 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Composed between August 4 and October 25 of 1897, A Hero...

[Read PDF »](#)



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually...

[Read PDF »](#)

**Piano Concerto, Op.33 / B.63: Study Score**

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Composed in the late summer of 1876, Dvorak s first effort at

[Download Book »](#)

**The Water Goblin, Op. 107 / B. 195: Study Score**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 238 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The first of four late tone poems inspired by Bouquet, a

[Download Book »](#)

**The TW treatment of hepatitis B road of hope(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-10-28 Pages: 119 Publisher: People's Medical racket Reading: All books are

[Download Book »](#)

**In Nature s Realm, Op.91 / B.168: Study Score**

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Composed in 1891, V P irod (In Nature s Realm) is

[Download Book »](#)

**Slavonic Rhapsody in A-Flat Major, B.86.3: Study Score**

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 297 x 210 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Dvorak s final Slovanske rapsodie was composed from around September 20

[Download Book »](#)