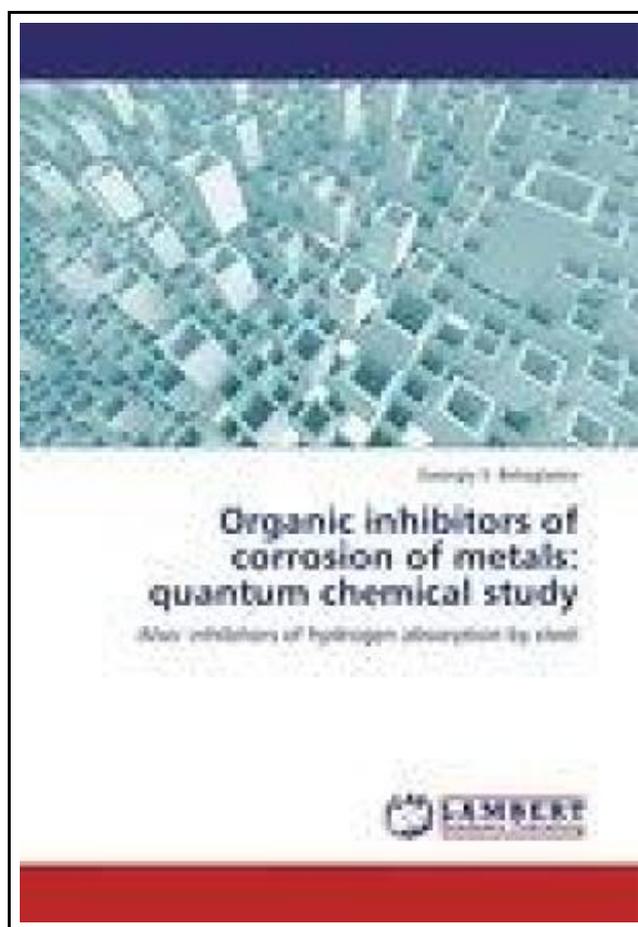


Organic inhibitors of corrosion of metals: quantum chemical study



Filesize: 1.97 MB

Reviews

A really wonderful book with lucid and perfect reasons. This can be for all who statte there was not a worth reading through. You are going to like how the author write this book.

(Dr. Grady Jacobi DDS)

ORGANIC INHIBITORS OF CORROSION OF METALS: QUANTUM CHEMICAL STUDY



LAP Lambert Academic Publishing Jun 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Results of quantum chemical computations of molecules of organic inhibitors (OIn) of corrosion and hydrogen absorption by metals of 9 different series, for some of groups - also adsorbed on clusters modeling Al and Cd surface in various oxidation states (the model substrates contained up to 25 atoms of metal and O, H - in case of hydroxides) were compared to experimental data on efficiencies of protective action (EPA) against corrosion of metals. Energies of boundary orbitals (HOMO, LUMO) and dipole moments of isolated molecules of OIn as well as changes of atomic charges on OIn atoms when OIn molecule adsorbed have been computed using semi-empiric MNDO quantum chemistry method. Found correlations between EPA and changes of electric charge on heteroatoms (as N, O.), also change in value of dipole moment and in total molecular charge due to adsorption of OIn on the metal surface were most significant. Data on efficiencies against hydrogen absorption by steel were compared to data obtained from quantum chemistry for individual molecules. The material put together in this book is due to my father (the Academic at Russian Academy of Sci.) S.M. Beloglazov's inspiration and leadership. 76 pp. Englisch.



[Read Organic inhibitors of corrosion of metals: quantum chemical study Online](#)



[Download PDF Organic inhibitors of corrosion of metals: quantum chemical study](#)

Other PDFs



THE Key to My Children Series: Evan s Eyebrows Say Yes (Paperback)

AUTHORHOUSE, United States, 2006. Paperback. Book Condition: New. 274 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.THE KEY TO MY CHILDREN SERIES: EVAN S EYEBROWS SAY YES is about...

[Read ePub »](#)



Carmilla

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.Carmilla is a Gothic novella by Joseph Sheridan Le Fanu. First published in...

[Read ePub »](#)



Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to...

[Read ePub »](#)



Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the...

[Read ePub »](#)



Kingfisher Readers: Your Body (Level 2: Beginning to Read Alone) (Unabridged)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Your Body (Level 2: Beginning to Read Alone) (Unabridged), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the...

[Read ePub »](#)