

1. Record Nr.	UNIORUON00379452
Autore	ARNULFUS : Aurelianus
Titolo	Arnulfi Aurelianus glosule Ovidii Fastorum / Kritische Erstedition und Untersuchung vorgelegt von Jörg Rudolf Rieker
Pubbl/distr/stampa	Firenze, : SISMEL, 2005
ISBN	88-8450-135-0
Descrizione fisica	lxxix, 307 p. ; 24 cm
Disciplina	470.03
Soggetti	Lingua latina medievale - Dizionari OVIDIO - Opere - I fasti POESIA DIDATTICA LATINA - Storia e critica
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910254048803321
Autore	Gutsev Lavrenty Gennady
Titolo	Modification of Magnetic Properties of Iron Clusters by Doping and Adsorption : From a Few Atoms to Nanoclusters // by Gennady L. Gutsev, Kalayu G. Belay, Lavrenty G. Gutsev, Charles A. Weatherford
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-27886-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (85 p.)
Collana	SpringerBriefs in Electrical and Magnetic Properties of Atoms, Molecules, and Clusters, , 2730-7751
Disciplina	553.3
Soggetti	Chemistry, Physical and theoretical Nanotechnology Chemical engineering Physical Chemistry Theoretical and Computational Chemistry Industrial Chemistry/Chemical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Peculiarities of the Fe – Fe bonding -- Oxides and superhalogens with a single Fe center -- Interactions of small iron clusters with C and O atoms -- Interactions of small iron clusters with OH, NO, CO, and H ₂ O -- Structure and magnetic properties of larger neutral and charged iron clusters -- Anomalous total spin magnetic moment of Fe EQ \O(13,+) -- Doping of icosahedral Fe ₁₃ with 3d- and 4d-atoms -- Doping of iron clusters with a Gd atom -- Iron oxide isomers of (FeO) ₁₂ and superexchange mechanism in (FeO) ₂ -- Interaction of iron clusters with carbon atoms and carbon monoxide -- Summary.
Sommario/riassunto	This brief is based on computations performed on unary neutral and charged iron clusters, binary iron clusters, and iron clusters interacting with carbon and oxygen atoms as well as with a number of diatomics and water. The author considers geometrical structure, thermodynamic stability and electronic properties which are compared with

experimental data. Special attention is paid to the dependence of total spin magnetic moments of iron clusters on their size, charge and interactions with dopant and absorbed atoms. In the dopant case, species such as 3d-metal, 4d-metal, Al, and Gd atoms are considered. In the adsorption case interactions of carbon atoms with iron clusters as the initial stage of catalyzed carbon nanotube growth are presented. Interactions of iron clusters with oxygen atoms are presented and the superexchange mechanism is discussed. Of special interest is the tracking of changes due to the evolution from a few atoms to a nanocluster.
