Record Nr. UNINA9910830831703321 Autore Permiakov E. A (Evgenii Anatolevich) Titolo Metalloproteomics [[electronic resource] /] / Eugene A. Permyakov Pubbl/distr/stampa Hoboken, N.J., : John Wiley & Sons, c2009 **ISBN** 1-282-27983-1 9786612279836 0-470-44775-3 0-470-44774-5 Descrizione fisica 1 online resource (820 p.) Collana Wiley series in protein and peptide science Disciplina 572 572.6 Soggetti Metalloproteins **Proteomics** 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 (p. 643-764) and index. Nota di contenuto The complexes of metal cations with low-molecular-mass compounds and of metal cations and proteins -- General regularities of the binding of metal cations to proteins -- Experimental methods used for studies of the binding of metal cations -- Calcium, calcium-binding proteins, and their major families -- Interactions of calcium-binding proteins with low-molecular-mass compounds, peptides, proteins, and membranes -- Calcium-binding proteins in various systems -- The binding of magnesium ions to proteins -- The binding of zinc ions to proteins -- The binding of copper ions to proteins -- Iron-binding proteins -- Molybdenum-containing and tungsten-containing proteins -- Proteins containing nickel and cobalt -- Manganese-containing proteins -- Sodium-binding and potassium-binding proteins --Interactions of metal cations with nucleic acids -- "Non-physiological" metals. Sommario/riassunto Synthesizes the current knowledge in the field and provides new

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