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Autore	Hu Yuwei
Titolo	Biocompatible Graphene for Bioanalytical Applications / / by Yuwei Hu, Fenghua Li, Dongxue Han, Li Niu
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-45695-8
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Collana	SpringerBriefs in Molecular Science, , 2191-5407
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Soggetti	Analytical chemistry Nanotechnology Biomedical engineering Materials—Surfaces Thin films Biomaterials Analytical Chemistry Biomedical Engineering and Bioengineering Surfaces and Interfaces, Thin Films
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 -- Graphene for DNA Biosensing -- Graphene for Amino Acid, Peptide, Protein and Enzyme Detection -- Graphene for Glucose, Dopamine, Ascorbic Acid and Uric Acid Detection -- Graphene for Detection of Adenosine Triphosphate, Nicotinamide Adenine Dinucleotide, Other Molecules, Gas and Ions -- Graphene in Drug Delivery, Cellular Imaging, Bacteria Inhibition, Versatile Targets Bioassays -- Conclusions and Perspectives.
Sommario/riassunto	This book highlights the latest advances in the use of graphene and bio-compatible-material-decorated graphene to detect various targets (e.g. DNA, RNA, amino acids, peptides, proteins, enzymes, antigens,

glucose, DA, AA, UA, ATP, NADH, gas, ions, etc.). It focuses on the specific interaction of these substances with graphene (or modified graphene) and the efficient transduction of the target recognition event into detectable signals via various techniques. Particular emphasis is given to well-designed strategies for constructing graphene-based platforms and target determination. It also covers other bio-analytical applications including cellular imaging, drug delivery and bacteria inhibition, before turning to a discussion of future challenges and prospects of graphene in bio-analytical applications. This book is intended for researchers working in the fields of analytical chemistry, nanomaterials and biomedical engineering. Li Niu is a Professor at the State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences.

2. Record Nr.

Autore

UNINA9910524676803321

Titolo

Mandelbaum Maurice <1908-1987.>

History, Man, & Reason : A Study in Nineteenth-Century Thought // Maurice Mandelbaum

Pubbl/distr/stampa

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Soggetti

Reason

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Nota di contenuto

part I. Philosophical background -- 1. Philosophic movements in the nineteenth century -- part II. Historicism -- 2. The nature and scope of

historicism -- 3. The first phase of historicism : from the Enlightenment through Hegel -- 4. The search for a science of society : from Saint-Simon to Marx and Engels -- 5. Evolution and progress -- 6. Social evolutionism -- 7. Historicism : a critical appraisal -- part III. The malleability of man -- 8. Challenges to constancy -- 9. Geneticism : the associationist tradition -- 10. Organicism : culture and human nature -- 11. Man as a progressive being -- 12. Constancy and change in human nature : a critical account -- part IV. The limits of reason -- 13. Critiques of the intellectual powers of man : the idealist strand -- 14. Ignoramus, ignorabimus : the positivist strand -- 15. The rebellion against reason -- 16. The limits reappraised.

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#### Sommario/riassunto

The purpose of this book is to draw attention to important aspects of thought in the nineteenth century. While its central concerns lie within the philosophic tradition, materials drawn from the social sciences and elsewhere provide important illustrations of the intellectual movements that the author attempts to trace. This book aims at examining philosophic modes of thought as well as sifting presuppositions held in common by a diverse group of thinkers whose antecedents and whose intentions often had little in common. After a preliminary tracing of the main strands of continuity within philosophy itself, the author concentrates on how, out of diverse and disparate sources, certain common beliefs and attitudes regarding history, man, and reason came to pervade a great deal of nineteenth-century thought. Geographically, this book focuses on English, French, and German thought. Mandelbaum believes that views regarding history and man and reason pose problems for philosophy, and he offers critical discussions of some of those problems at the conclusions of parts 2, 3, and 4.

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