1. Record Nr. UNINA9910791177103321

Autore	Drucker Donna J.
Titolo	The classification of sex : Alfred Kinsey and the organization of knowledge / / Donna J. Drucker
Pubbl/distr/stampa	Pittsburgh, Pennsylvania : , : University of Pittsburgh Press, , 2014 ©2014
ISBN	0-8229-7950-0
Descrizione fisica	1 online resource (pages cm)
Classificazione	SCI034000
Disciplina	306.7
Soggetti	Science - Methodology Classification of sciences Research - United States Sexology - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"Drucker develops a synthetic argument about how Kinsey's scholarship and training as an entomologist and evolutionary scientist affected his teaching, research, writing, and analysis of human behavior. Places Kinsey at the center of trends in American intellectual and scientific life in the mid-twentieth century. Drucker uses the whole of Kinsey's intellectual life to address questions of data collection and scientific objectivity, and whether it is possible to have research approaches and frameworks for studying human sexuality that could satisfy ever-shifting delineations and measurements of objectivity"-- "Alfred C. Kinsey's revolutionary studies of human sexual behavior are world-renowned. His meticulous methods of data collection, from comprehensive entomological assemblies to personal sex history interviews, raised the bar for empirical evidence to an entirely new level. In The Classification of Sex, Donna J. Drucker presents an original analysis of Kinsey's scientific career in order to uncover the roots of his research methods. She describes how his enduring interest as an entomologist and biologist in the compilation and organization of mass data sets structured each of his classification projects. As Drucker

shows, Kinsey's lifelong mission was to find scientific truth in numbers and through observation-and to record without prejudice in the spirit of a true taxonomist. Kinsey's doctoral work included extensive research of the gall wasp, where he gathered and recorded variations in over six million specimens. His classification and reclassification of Cynips led to the speciation of the genus that remains today. During his graduate training, Kinsey developed a strong interest in evolution and the links between entomological and human behavior studies. In 1920, he joined Indiana University as a professor in zoology, and soon published an introductory text on biology, followed by a coauthored field guide to edible wild plants. In 1938, Kinsey began teaching a noncredit course on marriage, where he openly discussed sexual behavior and espoused equal opportunity for orgasmic satisfaction in marital relationships. Soon after, he began gathering case histories of sexual behavior. As a pioneer in the nascent field of sexology, Kinsey saw that the key to its cogency was grounded in observation combined with the collection and classification of mass data. To support the institutionalization of his work, he cofounded the Institute for Sex Research at Indiana University in 1947. He and his staff eventually conducted over eighteen thousand personal interviews about sexual behavior, and in 1948 he published Sexual Behavior in the Human Male, to be followed in 1953 by Sexual Behavior in the Human Female. As Drucker's study shows, Kinsey's scientific rigor and his early use of data recording methods and observational studies were unparalleled in his field. Those practices shaped his entire career and produced a wellspring of new information, whether he was studying gall wasp wings, writing biology textbooks, tracing patterns of evolution, or developing a universal theory of human sexuality"--

2. Record Nr. UNINA9910588596303321

Titolo	Forcefields for Atomistic-Scale Simulations: Materials and Applications / / edited by Akarsh Verma, Sanjay Mavinkere Rangappa, Shigenobu Ogata, Suchart Siengchin
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-3092-9
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (395 pages)
Collana	Lecture Notes in Applied and Computational Mechanics, , 1860-0816 ; ; 99
Disciplina	531.6
Soggetti	Materials science - Data processing Molecular dynamics Nanotechnology Atomic structure Molecular structure Microclusters Atomistic Models Molecular Dynamics Atomic and Molecular Structure and Properties Atomic and Molecular Clusters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction to Forcefields -- 2. Forcefields for characterization of metals/metal alloys -- 3. Forcefields for characterization of nuclear materials -- 4. Forcefields and Atomistic insights to study high entropy alloys -- 5. Coarse-grained forcefields for anisotropically interacting particles -- 6. Forcefields for 2D nanomaterials (Graphene and h-BN) and the universal solvent “water” -- 7. Reactive forcefield (ReaxFF) for the combustion application -- 8. Reactive forcefield (ReaxFF) for the 2D nanomaterials synthesis -- 9. Forcefields and Modelling of Polymer Coatings and nanocomposites -- 10. Accelerated reactive forcefields for studying nanomaterials and polymers.
Sommario/riassunto	This book describes the forcefields/interatomic potentials that are used in the atomistic-scale and molecular dynamics simulations. It covers

mechanisms, salient features, formulations, important aspects and case studies of various forcefields utilized for characterizing various materials (such as nuclear materials and nanomaterials) and applications. This book gives many help to students and researchers who are studying the forcefield potentials and introduces various applications of atomistic-scale simulations to professors who are researching molecular dynamics.