

1. Record Nr.	UNINA9910689434703321
Titolo	Felonies and favors : a friend of the Attorney General gathers information from the Justice Department : hearing before the Committee on Government Reform, House of Representatives, One Hundred Sixth Congress, second session, July 27, 2000
Descrizione fisica	1 online resource (iii, 265 p.) : ill
Soggetti	Political corruption - United States Criminal records - Access control - United States Leaks (Disclosure of information) - United States Administrative responsibility - United States Privacy, Right of - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910760294503321
Autore	Shukla Manoj
Titolo	Emerging Materials and Environment // edited by Manoj Shukla, Elizabeth Ferguson, Jerzy Leszczynski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031394706 3031394704
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (331 pages)
Collana	Challenges and Advances in Computational Chemistry and Physics, , 2542-4483 ; ; 37
Altri autori (Persone)	FergusonElizabeth LeszczynskiJerzy
Disciplina	620.11
Soggetti	Chemistry, Physical and theoretical Materials science Environmental chemistry Microtechnology Microelectromechanical systems Theoretical Chemistry Materials Science Environmental Chemistry Microsystems and MEMS

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Emerging Materials and Environment: A Brief Introduction -- A Generalized Force-Modified Potential Energy Surface (G-FMPES) for Mechanochemical Simulations -- Chemometric Modeling of Emerging Materials for the Removal of Environmental Pollutants -- Ionic Liquids and Halloysite Nanotubes: Emerging Environmental chemicals of concern -- New frontiers for heterostructured nanocomposites with interfacial functionalities synthesized via laser ablation synthesis in solution (LASiS) -- Recent mechanistic insights into some enzyme mimetic functions of ceria -- Emerging 2D Materials Based Nanoarchitecture for Water Purification -- Emergent Materials and Processes for Efficient Environmental Per- and Polyfluoroalkyl Substances Containment -- Life Cycle Considerations for Per- and Polyfluoroalkyl Substances (PFASs) and the Evolution of Society's Perspective on Their Usage.
Sommario/riassunto	This contributed volume presents chapters integrating experimental and computational advances in materials research and discusses how the potential release of emerging materials would impact the environment. With increasing populations, there is a growing pressure on resources and the environment to provide food, water, and energy. Innovative materials and novel technologies, such as nanocomposite and multifunctional materials, additive manufacturing, and remediation technologies, are constantly being developed to meet these demands. As technologies mature some potentially harmful materials will find their way into the environment. Depending on their environmental persistence, such as "forever chemicals" per- and polyfluoroalkyl substances (PFAS), some of the emerging materials may become a major environmental challenge. This book covers a broad spectrum of topics related to the recent advances and future directions in emerging materials research, molecular simulations, machine learning and QSAR approaches for environmental contaminants, advanced materials for water purification, remediation technologies of PFAS, and life-cycle assessment of materials. It offers an invaluable resource for postgraduate students and researchers in academia, industry, and different laboratories interested in the field.