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Autore	Keiter Robert B. <1946->
Titolo	Keeping faith with nature : ecosystems, democracy & America's public lands / / Robert B. Keiter
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Descrizione fisica	1 online resource (1 online resource (434 p.) : ill., maps
Disciplina	333.7/2/0973
Soggetti	Environmental policy - United States Public lands - United States Conservation of natural resources - United States
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Preface -- Acknowledgments -- 1. Introduction -- 2. Policy and Power on the Public Domain -- 3. Ecology and the Public Domain -- 4. Ecology Triumphant? -- 5. Making Amends with the Past -- 6. Shaping a New Heritage -- 7. Collaborative Conservation -- 8. Toward a New Order -- 9. Keeping Faith with Nature -- Acronyms and Abbreviations -- Notes -- Index
Sommario/riassunto	As the twenty-first century dawns, public land policy is entering a new era. This timely book examines the historical, scientific, political, legal, and institutional developments that are changing management priorities and policies-developments that compel us to view the public lands as an integrated ecological entity and a key biodiversity stronghold. Once the background is set, each chapter opens with a specific natural resource controversy, ranging from the Pacific Northwest's spotted owl imbroglio to the struggle over southern Utah's Colorado Plateau country. Robert Keiter uses these case histories to analyze the ideas, forces, and institutions that are both fomenting and retarding change. Although Congress has the final say in how the public domain is managed, the public land agencies, federal courts, and western communities are each playing important roles in the

	transformation to an ecological management regime. At the same time, a newly emergent and homegrown collaborative process movement has given the public land constituencies a greater role in administering these lands. Arguing that we must integrate the new imperatives of ecosystem science with our devolutionary political tendencies, Keiter outlines a coherent new approach to natural resources policy.

2.

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Titolo	Green reaction media in organic synthesis [[electronic resource] /] / edited by Koichi Mikami
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ISBN	1-280-74856-7 9786610748563 0-470-98877-0 1-4051-7245-2
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Nota di contenuto	Green Reaction Media in Organic Synthesis; Contents; Contributors; Preface; 1 Introduction; 1.1 Green reaction media; 1.2 Ionic liquids; 1.3 Fluorous media; 1.4 Supercritical carbon dioxide; References; 2 Ionic liquids; 2.1 Historical background and synthesis; 2.1.1 Historical background; 2.1.2 Synthesis; 2.1.2.1 Preparation of imidazolium halides; 2.1.2.2 Anion metathesis; 2.1.2.3 Functionalized imidazolium ionic liquids; 2.1.2.4 Other types of ionic liquid; 2.1.2.5 Purification; 2.2 Physical properties; 2.2.1 Melting point; 2.2.2 Thermal stability;

2.2.3 Polarity; 2.2.4 Solubility
2.2.5 Viscosity2.2.6 Acidity; 2.2.7 Chirality; 2.2.8 Toxicity and environmental issues; 2.3 Applications as reaction media; 2.3.1 Hydroformylation; 2.3.2 Hydrogenation; 2.3.3 The Friedel-Crafts reaction; 2.3.4 Epoxidation; 2.3.5 Palladium-catalyzed C-C bond formation; 2.3.5.1 The Mizoroki-Heck reaction; 2.3.5.2 The Suzuki-Miyaura cross-coupling reaction; 2.3.5.3 Other palladium-catalyzed cross-coupling reactions; 2.3.6 The Diels-Alder reaction; 2.3.7 Biocatalysis in ionic liquids; 2.4 The future of ionic liquids; 2.5 Experimental part; 2.5.1 Preparation of [bmim][Cl]
2.5.2 Preparation of [bmim][PF6]2.5.3 Preparation of a chiral imidazolium ionic liquid; 2.5.4 Enantioselective hydrogenation of methyl acetoacetate; 2.5.5 Epoxidation of 2,2-dimethylchromene; 2.5.6 Mizoroki-Heck reaction between butyl acrylate and iodobenzene under microwave irradiation; 2.5.7 Diphenylacetylene by the Sonogashira coupling reaction; References; 3 Fluorous solvents; 3.1 Historical background; 3.2 Physical properties; 3.2.1 Key design elements in fluorous/organic liquid biphasic reactions; 3.2.2 Commercial availability; 3.2.3 Polarity; 3.2.4 Solute solubilities
3.2.5 Fluorous solvent miscibilities3.2.6 Partition coefficients and fluorophilicities; 3.2.7 Toxicity and environmental issues; 3.3 Applications as reaction media; 3.3.1 Fluorous catalysts for fluorous biphasic systems; 3.3.1.1 Hydroformylation; 3.3.1.2 Hydrogenation; 3.3.1.3 Catalytic hydroboration and hydrosilylation; 3.3.1.4 Catalytic oxidation reactions; 3.3.1.5 Coupling reactions; 3.3.1.6 Fluorous acid and base catalysts; 3.3.2 Enantioselective catalysts for fluorous biphasic systems; 3.3.2.1 Reduction; 3.3.2.2 Epoxidation; 3.3.2.3 Protonation
3.3.2.4 Et2Zn or Et3Al addition to aldehydes3.3.3 Heavy fluorous reagents; 3.3.3.1 Fluorous tin hydrides; 3.3.3.2 The Stille coupling reaction; 3.3.3.3 Radical carbonylation reaction; 3.3.3.4 Fluorous tin azide; 3.3.3.5 Fluorous sulfide and sulfoxide; 3.3.3.6 Other fluorous reagents; 3.3.4 Heavy fluorous protecting groups; 3.3.4.1 Trifluoroalkylsilyl protecting group; 3.3.4.2 Fluorous alcohol protective group; 3.3.4.3 Fluorous carboxylic acid protecting group; 3.4 Light fluorous compounds and fluorous silica gel; 3.4.1 Heavy and light fluorous molecules and separation strategy
3.4.2 Solid-phase extractions with fluorous silica gel

Sommario/riassunto

Green, sustainable chemistry involves the designing of chemical processes with a view to reducing or even eliminating the use and production of hazardous materials. Recent endeavors have focused on limiting the use of organic solvents and replacing them with new, environmentally benign media. The chemical industry is interested in these cost-effective, alternative solvents and processes.This book provides a broad overview of the three most commonly used green reaction media. Directed at synthetic organic chemists working in academic and industrial laboratories, it will also ser