1. Record Nr. UNINA9910253916203321

Autore	Reckhaus Hans-Dietrich
Titolo	Why Every Fly Counts : A Documentation about the Value and Endangerment of Insects / / by Hans-Dietrich Reckhaus
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-58765-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIII, 111 p. 19 illus. in color.)
Collana	Fascinating Life Sciences
Disciplina	595.7
Soggetti	Life sciences Entomology Ecology Technology Popular Life Sciences Applied Science, multidisciplinary
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- 1. Insects as Beneficials -- 2. Insects as Pests -- 3. Insects Today and in the Future -- 4. Conclusion: Hated, Threatened and Worth Protecting -- List of Insects -- Glossary -- Notes -- Why Every Exchange Counts (Thanks).
Sommario/riassunto	Threatening pests or threatened beneficials? Biting midges are wonderful insects. The animals are so tiny and uniquely shaped that they are particularly good at pollinating the small and tight flowers of the cocoa tree. Without them, there would be much less chocolate. We associate other insects more with the damage that they cause. Mosquitoes and wasps bite us. Moth larvae damage textiles and contaminate foods. Ants undermine our paths and flies are just a pain. But what exactly is our relationship with insects? Are they more beneficial or harmful? What role do they play in the world? What are the effects of climate change: Will the number of insects continue to increase?This book discusses the beneficial and harmful effects of insects and explains their development and significance for biodiversiy.

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2. Record Nr. UNINA9910557735603321

Autore	Yoo Chang Geun
Titolo	Biorefinery : Current Status, Challenges, and New Strategies
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (148 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Renewable fuels and chemicals derived from lignocellulosic biomass offer unprecedented opportunities for replacing fossil fuel derivatives, reducing our overdependence on imported oil, and mitigating current climate change trends. Despite technical developments and considerable efforts, breakthrough technologies are still required to overcome hurdles in developing sustainable biorefineries. In recent years, new biorefinery concepts including a lignin-first approach and a closed-loop biorefinery have been introduced to tackle technoeconomic challenges. Furthermore, researchers have advanced the development of new technologies which enable the utilization of biomass components for sustainable materials. It is now apparent that advanced processes are essential for ensuring the success of future biorefineries. This book presents processes for biomass fractionation, lignin valorization, and sugar conversion or introduces new bioproducts (chemicals and materials) from renewable resources, addressing the current status, technical/technoeconomic challenges, and new strategies.